VIESMANN

Pricelist 2024 DE
LT, LV, EE, MOA

- Small boilers for oil
- Wall mounted and storage combi boilers
- Mechanical ventilation systems
- Heat pumps
- Air conditioning units
- Electric boilers
- Solar thermal systems
- DHW cylinders
- Heating water buffer cylinders
- System technology
- Medium and industrial/commercial boilers for gas
- Large heat pumps

Applicable from 1 february 2024

Oil condensing boiler	20,2 to 53,7 kW	1
Standart gas wall hung boiler (non EU)	12 to 24 kW	2
Gas condensing boiler	13 to 60 kW	3
Gas condensing wall hung and compact boilers	11 to 99 kW	4
Residential ventilation systems	225 to 600 m3/h	5
Brine/Water Heat Pumps **Air/Water Heat Pumps**	1,7 to 117,8 kW 2,1 to 15,7 kW	6
Air conditioners	2,5 to 7,0 kW	7
Electric boiler	4 to 24 kW	8
Solar Thermal Systems		9
Hot Water Storages **Heating water buffer cylinders** **Fresh water modules** **Heat exchangers**	120 to 950 Liter 46 to 2000 Liter	10
Control accessories for heat generators **Heating circuit controls** **Accessories to regulators**	Mixers, mixer motors, temperature controllers	11
Gas condensing boilers	80 to 1400 kW	12
Brine/water heat pumps	84,8 to 222,2 kW	13

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Vitorondens 200-T 20.2 to 53.7 kW **1.1**
– With Vitoflame 300 blue flame oil burner **1**

Viessmann's integrated range of solutions

Digital services	ViCare ViGuide
Connectivity and platforms	Vitoconnect
Products & systems	**VITORONDENS 200-T**

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	Control unit versions			
	Vitotronic 100 (type KC2B)	Vitotronic 200 (type KO1B)	Vitotronic 200 (type KO2B)	Vitotronic 200 (type KW6B)*1
Vitorondens 200-T			●	

► *See overleaf for control functions*

Control functions	Control unit versions Vitotronic 200 (type KO1B, KO2B and KW6B) for two heating circuits with mixer and one heating circuit without mixer
For constant boiler water temperature	
For modulating boiler water temperature	●
Weather-compensated	●
With cylinder temperature controller	●
With mixer control for one heating circuit	●*1
With mixer control for two heating circuits	●*1
With time switch with indiv. day and 7-day prog.	●
With display with plain text prompts	●
With diagnostic system	●
With separate switching times for DHW heating	●
With control for DHW circulation pump	●
With sep. switching times for DHW circ. pump	●
With control for solar control module	●
With comm. with Vitosolic solar control unit	●*1
With display of solar temperatures and operating states	●
Capable of communicating via LON bus	●*1

*1 *Possible with accessories.*

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10 year guarantee
on stainless steel heat exchangers for oil or gas condensing boilers up to 150 kW

Vitorondens 200-T

Type BR2A

Oil condensing boilers

For operation with EL fuel oil to DIN 51603-1

For modulating boiler water temperature

Complete with fitted thermal insulation and Vitotronic control unit

Permissible operating pressure 3 bar (0.3 MPa)

Product ID: CE2456CL102.3

- Seasonal central heating energy efficiency up to 94 % (H_s) [gross cv] (label A)
- Eutectoplex heating surface for high operational reliability and a long service life
- Cast sections with flexible gaskets for durable sealing on the hot gas side
- Corrosion-resistant stainless steel Inox-Radial heat exchanger
- JetFlow system for optimum heating water distribution
- Flexible siting with choice of open flue or room sealed operation
- Easy to operate Vitotronic control unit with plain text and graphic display
- All commercially available low sulphur EL fuel oils can be used. Also for fuel oil DIN SPEC 51603-6-EL A Bio 20: Low sulphur EL fuel oil with blends of up to 20 % bio-components (FAME) and paraffinic fuel oils (e.g. HVO or PTL) to DIN TS 51603-8 in proportions of up to 100 %
- Quiet operation thanks to external silencer
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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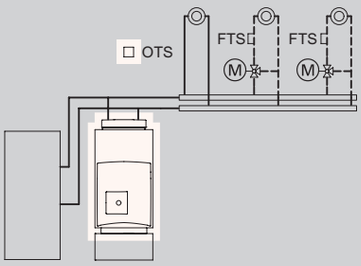
VITORONDENS 200-T

Oil condensing boiler
for open flue or room sealed operation

1.1

Heating system



- 1 heating circuit without mixer
- 1 or 2 heating circuits with mixer

Control unit

Vitotronic 200
Type KO2B, for weather-compensated operation

With control unit for one heating circuit without mixer and two heating circuits with mixer

- Weather-compensated, digital boiler and heating circuit control unit
- With digital time switch with individual day and seven-day program
- With separately adjustable time periods, heating curves, set temperatures and heating programs
- With cylinder temperature controller and sensor
- With integral diagnostic system and additional functions

An extension is required for each **heating circuit with mixer**:

Mixer extension kit (mixer mounting)
Part no. ZK02940 **Euro 652,– MG W**

Mixer extension kit (wall mounting)
Part no. ZK02941 **Euro 428,– MG W**

Standard delivery:

- Boiler body with fitted thermal insulation and Vitotronic 200 control unit
- Stainless steel oil condensing heat exchanger
- Fully wired
- Single-stage Vitoflame 300 blue flame oil burner for open flue operation or with accessories (boiler flue connection and inlet adaptor) for room sealed operation
- Flue gas silencer

► *For flue gas and ventilation air systems, see Register 4.*

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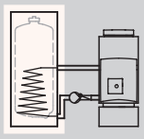
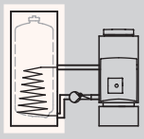
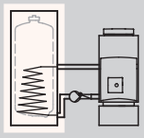
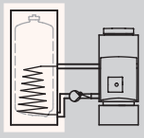
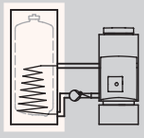
Burner versions Burner name Flue gas/ventilation air type	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C							MG WE
	20.2 18.8	24.6 22.9	28.6 27.0	35.4 33.0	42.8 40.0	53.7 50.0		
Blue flame oil burner Vitoflame 300 **Open** flue	BR2A019 **6.358,–** A	BR2A020 **6.358,–** A	BR2A021 **6.479,–** A	BR2A022 **6.489,–** A	BR2A023 **7.402,–** A	BR2A024 **7.402,–** A		Part no. **Euro** Energy
Blue flame oil burner Vitoflame 300 Coaxial **room sealed** Vertical	BR2A025 **6.591,–** A	BR2A026 **6.591,–** A	BR2A027 **6.712,–** A	BR2A028 **6.722,–** A	BR2A029 **7.589,–** A	BR2A030 **7.589,–** A		Part no. **Euro** Energy
Blue flame oil burner Vitoflame 300 Coaxial **room sealed** Horizontal	BR2A210 **6.636,–** A	BR2A211 **6.636,–** A	BR2A212 **6.757,–** A	BR2A213 **6.767,–** A	**–**	**–**		Part no. **Euro** Energy
Specification								
Length	1226	1226	1362	1362	1662	1662		mm
Width	500	500	500	500	500	500		mm
Height	940	940	940	940	940	940		mm
Weight	147	147	184	184	224	224		kg
Flue gas connection	80	80	80	80	110	110		Ø mm

Notes:
When using a DHW cylinder below the boiler, the overall installed height can be reduced by ordering the boiler with horizontal, coaxial, balanced flue system.

Accessories

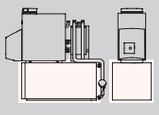
Vitocell 100-V

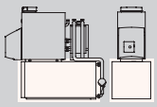
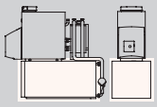
		MG WH
Vitocell 100-V, type CVAA DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z018463 **1.105,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitosilver Order system connection separately. 	Z018465 **1.243,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAA DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z018467 **1.142,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitosilver Order system connection separately. 	Z018642 **1.282,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAB DHW cylinder ■ 300 l capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z021911 **1.464,–** B	Part no. **Euro** Energy

System connections (suitable for the above DHW cylinders)

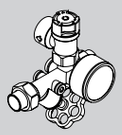
		MG WH
System connection, installation on the right ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve We recommend also ordering a boiler plinth.	ZK00900 **694,–**	Part no. **Euro**
System connection, installation on the left ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve We recommend also ordering a boiler plinth.	ZK00901 **769,–**	Part no. **Euro**

Vitocell 100-H

		MG WH
Vitocell 100-H, type CHA Horizontal DHW cylinder ■ 130 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z003839 **1.990,–** B	Part no. **Euro** Energy

Accessories		
Vitocell 100-H		MG WH
Vitocell 100-H, type CHA Horizontal DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z003840 **2.086,–** B	Part no. **Euro** Energy
Vitocell 100-H, type CHA Horizontal DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. 	Z003841 **2.391,–** B	Part no. **Euro** Energy
System connections (suitable for the above DHW cylinders)		MG WH
System connection ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve ■ Floor plate For boilers with 20.2 and 24.6 kW rated heating output	ZK00984 **818,–**	Part no. **Euro**
System connection ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve ■ Floor plate For boilers with 28.6 and 35.4 kW rated heating output	ZK00985 **818,–**	Part no. **Euro**
System connection ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve ■ Floor plate For boilers with 42.8 and 53.7 kW rated heating output	ZK00986 **818,–**	Part no. **Euro**

Notes:
Vitocell 100 are suitable for systems with **operating pressure up to 10 bar (1 MPa)** on the DHW side.
Notes:
When using a DHW cylinder below the boiler, the overall installed height can be reduced by ordering the boiler with horizontal, coaxial, balanced flue system.
►*For the complete range of DHW cylinders, see Register 10.*

Accessories		
		MG W
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1 Suitable for the following DHW cylinders: ■ Vitocell 100 with up to 500 l capacity ■ Vitocell 300 with up to 200 l capacity	7172847 **617,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge *For surface mounting* 	7219722 **251,–**	Part no. **Euro**

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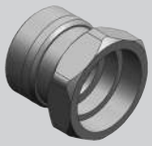
Accessories

Accessories		MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**
Shut-off valve G1 ½ 	7815145 **56,–**	Part no. **Euro**
Solder fitting DN 28 (1 pce)	7515785 **36,–**	Part no. **Euro**
Solder fitting DN 35 (2 pce)	7339921 **61,–**	Part no. **Euro**
Threaded fitting R 1 (1 pce)	7515786 **41,–**	Part no. **Euro**

Notes:
If a DHW cylinder with no system connection is joined to a pair of connectors, fittings must be used.

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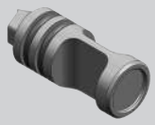
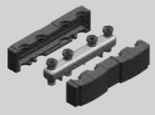
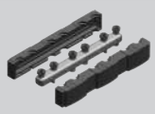
Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo Para 25/6 high efficiency circulation pump	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo Para 25/8 high efficiency circulation pump	**–**		Z024682 **1.586,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/6 high efficiency circulation pump	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/8 high efficiency circulation pump	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 145) To replace the connecting cable supplied in the standard delivery for linking the two mixer PCBs, in the case of 2 heating circuits with mixer	7424960 **34,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

Notes:
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

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Accessories

Heating circuit		MG W
If the heating circuit or the DHW cylinder will not be connected to the boiler with Viessmann system components:		
Welded fitting DN 25 (2 pce) With union nut G 1½ and gasket	7307292 **43,–**	Part no. **Euro**
Welded fitting DN 32 (2 pce) With union nut G 1½ and gasket	7205805 **43,–**	Part no. **Euro**
Welded fitting DN 40 (2 pce) With union nut G 1½ and gasket	7515240 **43,–**	Part no. **Euro**
Threaded fitting R 1 (2 pce) With union nut G 1½ and gasket	7307293 **20,–**	Part no. **Euro**
Threaded fitting R 1¼ (2 pce) With union nut G 1½ and gasket	7205935 **46,–**	Part no. **Euro**

Heating mixers and special heating mixers for underfloor heating systems
►*For versions, part numbers and prices, see Register 11.8.*

Safety assembly							
Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Safety equipment block ■ Safety valves in the distributor casing on the heating water side ■ Safety valve (3 bar) ■ Thermal insulation If a Divicon heating circuit distributor or a distributor for solar central heating backup is to be fitted to the boiler, the safety equipment block must also be ordered.	7248938 **224,–**					ZK02643 **224,–**	Part no. **Euro**

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1.1

Accessories

Heating circuit Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Distributor for solar central heating backup Connection assembly for straightforward installation between the boiler flue connection and Divicon heating circuit distributor. Can be mounted either on the boiler or the wall. Nominal diameter R1, can be used for nominal flow rates of up to 2.5 m³/h ■ Distributor ■ 3-way diverter valve ■ Thermal insulation ■ Sensor well for return temperature sensor The solar control module, type SM1, as well as the temperature sensors for the heating water buffer cylinder and the heating water return must be ordered separately; see "Control unit accessories".		7441163 **594,–**					Part no. **Euro**
Extension for installation on a wall ■ For direct connection of the distributor with a wall mounted Divicon heating circuit distributor ■ Incl. thermal insulation		7441445 **142,–**					Part no. **Euro**
Wall mounting bracket Required if the distributor is not fitted to a manifold.		7441165 **55,–**					Part no. **Euro**

Boilers Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Plinth 250 mm high	7196529 **243,–**		7196530 **243,–**		7196531 **243,–**		Part no. **Euro**
Adjustable anti-vibration feet (4 pce)	7306246 **82,–**						Part no. **Euro**
Cleaning brush With handle	7242286 **36,–**						Part no. **Euro**
Cleaning tool For vacuum cleaner connection	7241815 **67,–**			7241920 **75,–**			Part no. **Euro**

Miscellaneous Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	
Set of cleaning brushes, mixer assembly For the mixer assembly of the Viessmann blue flame burner	ZK01791 **31,–**						Part no. **Euro** MG W
Carrying handles for floorstanding boilers ■ Vitorondens 200-T up to 54 kW (3 pce)	7189602 **139,–**						Part no. **Euro** MG N

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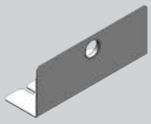
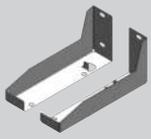
Accessories

Miscellaneous

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	
Transport panel Vitorondens 200-T ■ To facilitate handling the Vitorondens 200-T up to 54 kW using the transport and handling aid or a sack truck ■ Screw-fitted to the thermally insulated Vitorondens 200-T. ■ Not required if the Vitorondens 200-T is transported with its packaging. 	7198575 **139,–**						Part no. **Euro** **MG N**
Service box ■ Protective box for service folder with system documentation ■ Can be fitted to the heat generator or the wall ■ Colour: Vitosilver	7334502 **12,60**						Part no. **Euro** **MG N**

Neutralising systems

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Neutralising system For oil condensing boilers up to 55 kW ■ With neutralising granulate and activated carbon filter ■ With connecting cable to link the flushing pump to the operation of the **multi stage** burner ■ With connecting hose for connection to the boiler trap This is obligatory when using standard EL fuel oil.	ZK00289 **517,–**						Part no. **Euro**
Connection hose For connecting the neutralising system or activated carbon filter to the on-site drain	ZK01912 **13,–**						Part no. **Euro**
Wall mounting bracket for neutralising system or activated carbon filter 	7452527 **163,–**						Part no. **Euro**
Neutralising system maintenance set **For oil condensing boilers up to 55 kW** ■ Neutralising granulate ■ Activated carbon ■ Ventilation pump air filter and feet ■ Air hose ■ pH indicator sticks ■ Foil bags for disposal	7834967 **126,–**						Part no. **Euro**

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Accessories

Filters

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Activated carbon filter ■ Required if no neutralising system is used. ■ For separating oil from condensate ■ With connecting hose for connection to the boiler trap	ZK04726 **318,–**						Part no. **Euro**
Maintenance set for activated carbon filter ■ Activated carbon ■ Foil bags for disposal	7834968 **126,–**						Part no. **Euro**

Condensate removal pumps

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG W
Condensate removal pump SI1830 Automatic condensate removal pump with max. 3.7 mWC ■ Centrifugal pump 230 V / 75 W ■ Condensate container 0.5 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: Changeover contact (floating) 250 V/4 A (ohmic load)	ZK02487 **286,–**						Part no. **Euro**

Sensors

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	MG N
CO limiter with connecting lead ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards ■ With connecting lead for use with Vitoladens 300-T and Vitorondens	Z021823 **265,–**						Part no. **Euro**

Burner

Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	
Connecting cable ■ For external fuel valve ■ For use with **multi stage** Viessmann burners *Not required in conjunction with the neutralising system, part no. ZK00289*	7148858 **85,–**						Part no. **Euro** MG W
Automatic fuel oil air vent valve, single line ■ With R 3/8 oil filter ■ With 5 µm filter element	7549354 **282,–**						Part no. **Euro** MG VB
Fitting set, fuel oil air vent valve, connection Ø 6 mm x 3/8" For the following connections: Oil tank side, fuel oil air vent valve and fuel oil filter	7663168 **6,–**						Part no. **Euro** MG VB
Fitting set, fuel oil air vent valve, connection Ø 8 mm x 3/8" For the following connections: Oil tank side, fuel oil air vent valve and fuel oil filter	7663169 **6,70**						Part no. **Euro** MG VB

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1.1

Accessories

Burner Rated heating output (kW)	20.2	24.6	28.6	35.4	42.8	53.7	
Fitting set, fuel oil air vent valve, connection Ø 10 mm x 3/8" For the following connections: Oil tank side, fuel oil air vent valve and fuel oil filter	7663170 **6,70**						Part no. **Euro** **MG VB**
Fitting set, fuel oil air vent valve, connection Ø 12 mm x 3/8" For the following connections: Oil tank side, fuel oil air vent valve and fuel oil filter	7663171 **6,70**						Part no. **Euro** **MG VB**
Burner adjustment gauge Gauge to adjust the nozzles and electrode spacing.	**–**				ZK03049 **5,–**		Part no. **Euro** **MG W**

Notes:
Observe the technical guides when sizing the oil line. Correctly sized oil lines improve operational reliability.

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Accessories

Heating circuit control unit extension

		MG W
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug	ZK02940 **652,–**	Part no. **Euro**
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for **separately** ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug	ZK02941 **428,–**	Part no. **Euro**

Function extensions

		MG W
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set boiler water temperature **3 digital inputs** ■ External changeover of the operating status for heating circuits 1 to 3 on the weather-compensated control unit ■ External blocking ■ External blocking with central fault message ■ Minimum boiler water temperature demand. ■ Fault messages ■ Brief operation of the DHW circulation pump in systems with weather-compensated control unit **1 switching output (floating changeover contact)** ■ Issuing a central fault message ■ Feed pump connection to a substation	7452091 **227,–**	Part no. **Euro**

Notes:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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Standard wall mounted gas boiler

Vitopend 100-W (10.5 to 34 kW) **2.1**

Flue system for standard wall mounted boilers **2.2**

2

5696857 8/2023

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VITOPEND 100-W

Gas system boiler and gas combi boiler
for room sealed operation
8.5 to 34.0 kW

Non EU countries only

Vitopend 100-W

Type A1HB/A1JB

Fully automatic gas system boiler and gas combi boiler
- With modulating atmospheric burner with flue gas fan for **room sealed** operation
- A constant temperature control unit is included in the equipment price

For natural gas and LPG

Permissible operating pressure
Heating water 3 bar (0.3 MPa)
DHW 10 bar (1 MPa)

Product ID:

- Very compact appliance dimensions
- High standard of quality and operational reliability through extensive development and production controls
- Straightforward connection of a backup appliance
- Only one sensor for room temperature-dependent or weather-compensated mode (accessories)
- High DHW convenience through integral plate heat exchanger, i.e. rapid DHW heating with a constant temperature
- Control unit with white backlit display and integral diagnostic system (with fault history for the last 10 faults)
- Integral time switch with individual day and seven-day program
- With option to offset the heating curves in parallel for individual comfort adjustments at the beginning/end of the heating season
- Water pressure switch integrated
- Resilient to gas and voltage fluctuations
- Straightforward conversion to LPG possible (accessories required)
- Simple conversion from gas combi boiler to gas system boiler (accessories required)

5813378 8/2023

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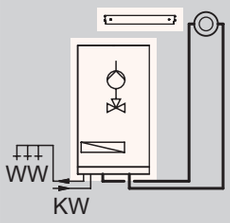
VITOPEND 100-W

Gas combi boiler for central and DHW heating
Balanced flue appliance for **room sealed** operation

2.1

Heating system	Fuel Installation type	Rated heating output (kW) for central heating					MG W5
		12.0	24.0	29.9	34.0		
	Natural gas E (H)	A1JB009 **800,–**	A1JB010 **887,–**	A1JB011 **994,–**	A1JB012 **1.130,–**		Part no. **Euro**
Specification							
Length		340	340	360	360		mm
Width		400	400	450	450		mm
Height		725	725	725	725		mm
Weight		32	32	39	40		kg
Continuous DHW output		11.3	11.3	14	16		l/min
Flue gas connection		60	60	60	60		Ø mm
Ventilation air connection		100	100	100	100		Ø mm
Expansion vessel capacity		6	6	10	10		l

The boilers are preset for natural gas E.
A conversion kit is supplied when ordering the LPG version.

The appliances are tested and approved for natural gas and LPG to EN 437.

Standard delivery:

Standard unit
- Modulating, atmospheric burner with flue gas fan
- Integral DHW heating (instantaneous water heater)
- Constant temperature control unit
- Expansion vessel integrated
- Heating circuit pump (2-stage) with 3/2-way valve
- Fully plumbed and wired
- Filling device
- Wall mounting bracket
- Boiler flue connection for coaxial flue system

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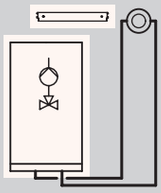
Heating system	Fuel Installation type	Rated heating output (kW) for central heating				MG W5
		24.0	29.9	34.0		
	Natural gas E (H) Natural gas LL With pipe bends	A1HB001 **845,–**	A1HB002 **952,–**	A1HB003 **1.079,–**		Part no. **Euro**
Specification						
Length		340	360	360		mm
Width		400	450	450		mm
Height		725	725	725		mm
Weight		31	38	38		kg
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
Expansion vessel capacity		6	10	10		l

The boilers are preset for natural gas E.
A conversion kit is supplied when ordering the LPG version.

The appliances are tested and approved for natural gas and LPG to EN 437.

Standard delivery:

Standard unit
- Modulating, atmospheric burner with flue gas fan
- Constant temperature control unit
- Expansion vessel integrated
- Heating circuit pump (2-stage) with 3/2-way valve
- Fully plumbed and wired
- Wall mounting bracket
- Boiler flue connection for coaxial flue system

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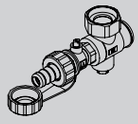
2.1

Accessories

Accessories		MG W
Conversion kit – gas combi boiler to gas system boiler ■ Hydraulics, flow ■ Hydraulics, return ■ Bypass line	ZK03102 **99,–**	Part no. **Euro**

Miscellaneous		MG W
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**

Installation		MG W
Individual fittings for gas system boilers Comprising: ■ Shut-off valves ■ Drain & fill valve 	ZK02481 **63,–**	Part no. **Euro**

Burner		MG W
LPG conversion kit for 12 and 24 kW Wobbe index: ■ 20.3 to 24.2 kW/m³ ■ 72.9 to 87.3 MJ/m³	ZK03104 **65,–**	Part no. **Euro**
LPG conversion kit for 30 and 34 kW Wobbe index: ■ 20.3 to 24.2 kW/m³ ■ 72.9 to 87.3 MJ/m³	ZK03105 **65,–**	Part no. **Euro**

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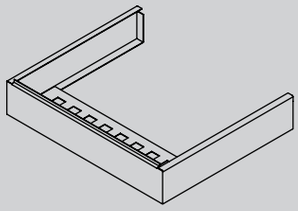
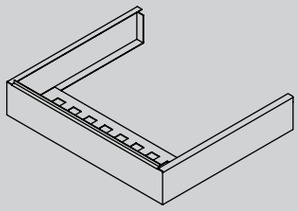
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover (not for DHW cylinders installed below the boiler) ■ Vitopend 100-W, 400 mm wide 	7243374 **42,–**	Part no. **Euro**
Valve/fittings cover (not for DHW cylinders installed below the boiler) ■ Vitopend 100-W, 450 mm wide 	7243379 **42,–**	Part no. **Euro**

2.1

VITOPEND 100-W

Control unit accessories

2.1

Control unit accessories		
Sensors		MG W
Room/outside temperature sensor ■ For use as a room temperature sensor ■ For use as an outside temperature sensor with the Vitopend in weather-compensated mode	ZK02192 **58,–**	Part no. **Euro**
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
OpenTherm modulating room temperature controller ■ With seven-day program ■ With connecting cable ■ Operation without batteries (power supply via the boiler)	Z014134 **194,–**	Part no. **Euro**
Vitotrol 100 (type RT LV) ■ OpenTherm room thermostat with switching output ■ Operation with 24 V rated voltage	ZK01502 **23,–**	Part no. **Euro**

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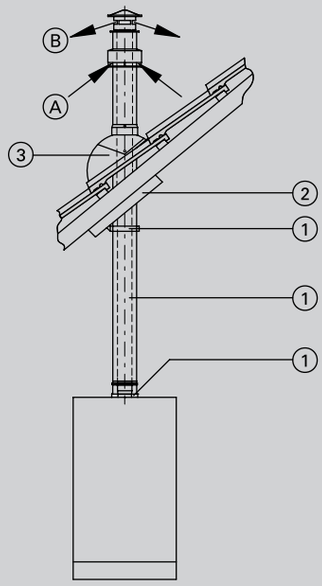
Balanced flue system
For room sealed operation

MG WZ

For vertical roof outlets when installing the Vitopend in the attic (type C_{32x})
(Observe country-specific regulations).

Structural unit.
The flue system for vertical roof outlets is tested and CE designated as one structural unit together with the Vitopend. Consequently only this flue system may be used with the Vitopend for vertical roof outlets; observe the information on installation and sizing.



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	60/100	80/125	Ø mm
①	**Roof outlet, coaxial** Comprising: ■ Boiler flue connection (system size 80/125 mm with integral condensate trap) ■ For system size 60/100 mm incl. balanced flue condensate trap ■ Roof outlet ■ Fixing clamp ■ In black	7246543 **222,–**	**–**	Part no. **Euro**
	Roof outlet, coaxial Comprising: ■ Boiler flue connection (system size 80/125 mm with integral condensate trap) ■ For system size 60/100 mm incl. balanced flue condensate trap ■ Roof outlet ■ Fixing clamp ■ In terracotta or	7246544 **319,–**	**–**	Part no. **Euro**
	Roof outlet, coaxial To prevent icing up Comprising: ■ Boiler flue connection (system size 80/125 mm with integral condensate trap) ■ For system size 60/100 mm incl. balanced flue condensate trap ■ Roof outlet ■ Fixing clamp ■ Roof outlet (coaxial) ■ In black	7246800 **222,–**	**–**	Part no. **Euro**
②	**Universal cover plate**	ZK02889 **54,–**	ZK02890 **58,–**	Part no. **Euro**

Flue system

For Vitopend 100-W
- **Room sealed** operation
- Coaxial balanced flue routing in aluminium

2.2

Balanced flue system For room sealed operation			MG WZ
	System size	60/100	80/125	Ø mm
③	**Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7338644 **63,–**		Part no. **Euro** MG W
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	7183692 **65,–**		Part no. **Euro** MG W
	Universal roof tile ■ For plain tile, slate and other types of roof cover ■ Colour: black	7373290 **40,–**		Part no. **Euro**
③	**Universal roof tile** ■ For plain tile, slate and other types of roof cover ■ Colour: terracotta	7373291 **40,–**		Part no. **Euro**
	Balanced flue bend 90°	7194836 **34,–**	7198594 **61,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7194837 **55,–**	7198593 **99,–**	Part no. **Euro**
	Balanced flue pipe 1 m long (can be trimmed to size)	7194841 **36,–**	7198592 **77,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long (can be trimmed to size)	7194842 **34,–**	7198591 **61,–**	Part no. **Euro**
	Balanced flue inspection piece Straight	7194833 **125,–**	**–**	Part no. **Euro**
	Balanced flue inspection bend 90°	7194834 **119,–**	**–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**		Part no. **Euro** MG W

Max. total flue length up to the boiler flue connection

Vitopend 100-W, type A1JB						
Rated heating output range	8.5-12.0	8.5-24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 60/100 ■ System size 80/125	 4 –	 4 –	 4 8	 3 5		 m m

Please note:
Additional bends reduce the maximum length.

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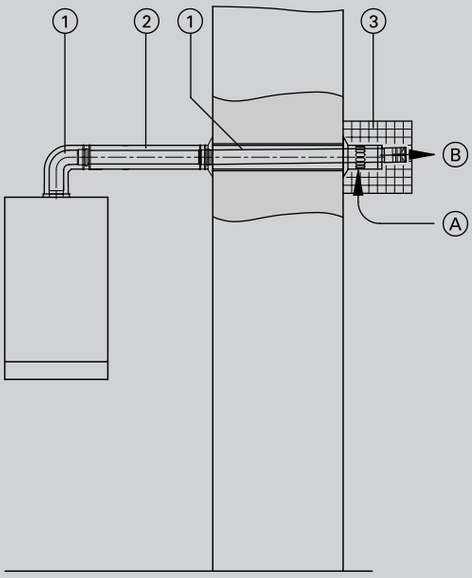
Balanced flue system
For room sealed operation

MG WZ

For external wall connection (type C12x)
(Observe country-specific regulations).

Structural unit.
The flue system for external wall connection has been tested and CE designated as one structural unit together with the Vitopend. Therefore, only this flue system may be used with the Vitopend for external wall connection; observe the installation and sizing information.



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	60/100	80/125	Ø mm
①	**External wall connection, coaxial** Comprising: ■ External wall connection (incl. wall bezels) ■ Boiler flue connection bend for system size 60/100 mm or boiler flue connection with integral condensate trap and balanced flue bend (87°) for system size 80/125 mm	7194844 **77,–**	7246540 **270,–**	Part no. **Euro**
	or			
	External wall connection, coaxial To prevent icing up Comprising: ■ External wall connection (incl. wall bezels) ■ Boiler flue connection bend for system size 60/100 mm or boiler flue connection with integral condensate trap and balanced flue bend (87°) for system size 80/125 mm	7246579 **110,–**	**–**	Part no. **Euro**
②	**Balanced flue pipe** 1 m long (can be trimmed to size)	7194841 **36,–**	7198592 **77,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long (can be trimmed to size)	7194842 **34,–**	7198591 **61,–**	Part no. **Euro**
③	**Grille** Where the flue terminal is near public paths.	7337276 **41,–**		Part no. **Euro**
	Balanced flue bend 90°	7194836 **34,–**	7198594 **61,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7194837 **55,–**	7198593 **99,–**	Part no. **Euro**
	Balanced flue inspection piece Straight	7194833 **125,–**	**–**	Part no. **Euro**
	Balanced flue inspection bend 90°	7194834 **119,–**	**–**	Part no. **Euro**
	Balanced flue condensate trap	7194846 **59,–**	**–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**		Part no. **Euro**

Flue system

For Vitopend 100-W
- **Room sealed** operation
- Coaxial balanced flue routing in aluminium

Balanced flue system For room sealed operation						
Max. total flue length up to the boiler flue connection						
Vitopend 100-W, A1JB						
Rated heating output range	8.5-12.0	8.5 - 24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 60/100 ■ System size 80/125	 4 –	 4 –	 4 8	 3 5		 m m

2.2

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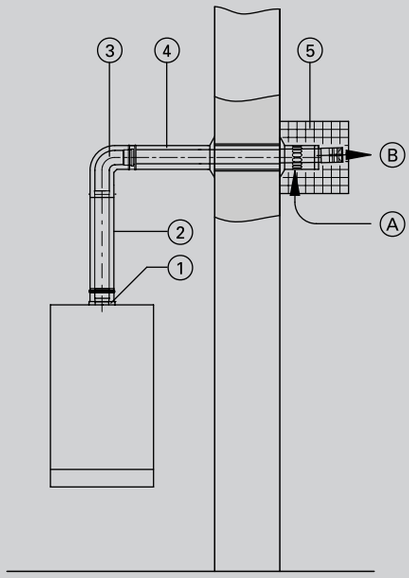
Balanced flue system
For room sealed operation

MG WZ

For vertical roof outlets when installing the Vitopend in the attic (type $C12_x$)
(Observe country-specific regulations).

Structural unit.
The flue system for vertical roof outlets is tested and CE designated as one structural unit together with the Vitopend.
Consequently only this flue system may be used with the Vitopend for vertical roof outlets; observe the information on installation and sizing.



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	60/100	80/125	Ø mm
①	**Boiler flue connection, coaxial**	7197742 **31,–**	**–**	Part no. **Euro**
②	**Balanced flue pipe** 1 m long (can be trimmed to size)	7194841 **36,–**	7198592 **77,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long (can be trimmed to size)	7194842 **34,–**	7198591 **61,–**	Part no. **Euro**
③	**Balanced flue bend** 90°	7194836 **34,–**	7198594 **61,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7194837 **55,–**	7198593 **99,–**	Part no. **Euro**
④	**Balanced flue external wall connection** (incl. wall bezels)	7194843 **60,–**	**–**	Part no. **Euro**
⑤	**Grille** Where the flue terminal is near public paths.	7337276 **41,–**		Part no. **Euro**
	Balanced flue inspection piece Straight	7194833 **125,–**	**–**	Part no. **Euro**
	Balanced flue inspection bend 90°	7194834 **119,–**	**–**	Part no. **Euro**
	Balanced flue condensate trap For vertical installation	7197769 **41,–**	**–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**		Part no. **Euro**

Max. total flue length up to the boiler flue connection

Vitopend 100-W, A1JB						
Rated heating output range	8.5-12.0	8.5 - 24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 60/100 ■ System size 80/125	 4 –	 4 –	 4 8	 3 5		 m m

One 90° bend has been allowed for.

Flue system

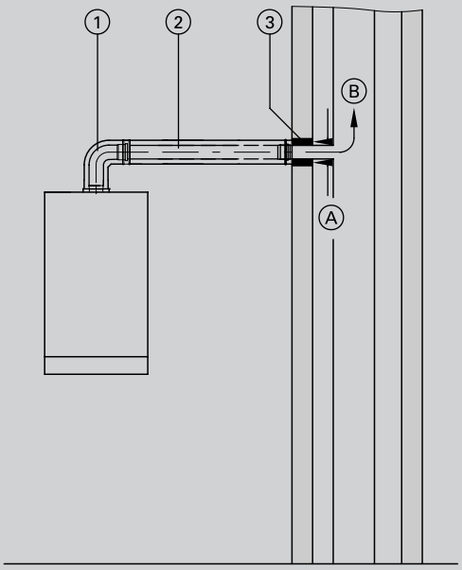
For Vitopend 100-W
- **Room sealed** operation
- Coaxial balanced flue routing in aluminium

2.2

Balanced flue system
For room sealed operation

MG WZ

For connection to a concentric balanced flue chimney (type C_{42x} to TRGI '86/96).



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	60/100	80/125	Ø mm
①	**Boiler flue connection bend** **Balanced flue bend** 90°	7194858 **37,–**	7198594 **61,–**	Part no. **Euro**
②	**Balanced flue pipe** 1 m long (can be trimmed to size)	7194841 **36,–**	7198592 **77,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long (can be trimmed to size)	7194842 **34,–**	7198591 **61,–**	Part no. **Euro**
③	**Wall liner** For concentric balanced flue chimneys. To be provided on site.			
	Balanced flue bend 90°	7194836 **34,–**	7198594 **61,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7194837 **55,–**	7198593 **99,–**	Part no. **Euro**
	Balanced flue inspection piece Straight	7194833 **125,–**	**–**	Part no. **Euro**
	Balanced flue inspection bend 90°	7194834 **119,–**	**–**	Part no. **Euro**
	Balanced flue condensate trap	7194846 **59,–**	**–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**	7179307 **38,–**	Part no. **Euro**

Max. total flue length up to the boiler flue connection

Vitopend 100-W, type A1JB

Rated heating output range	8.5-12.0	8.5-24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 60/100 ■ System size 80/125	 4 –	 4 –	 4 –	 – 5		 m m

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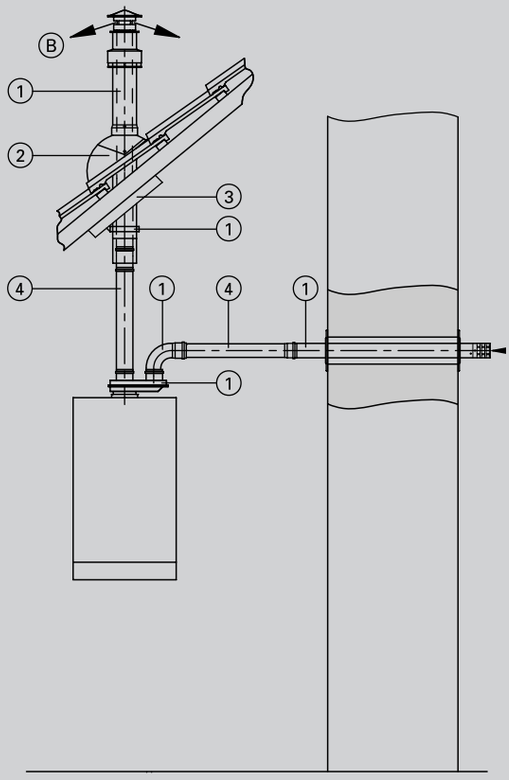
Balanced flue system
For room sealed operation
Parallel ventilation air and flue gas routing

MG WZ

For vertical roof outlets when installing the Vitopend in the attic (type C_{52})
(Observe country-specific regulations).

Structural unit.
The flue system for vertical roof outlets is tested and CE designated as one structural unit together with the Vitopend. Consequently only this flue system may be used with the Vitopend for vertical roof outlets; observe the information on installation and sizing.



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	80/80	Ø mm
①	**External wall connection and roof outlet, parallel** Comprising: ■ Boiler flue connection (parallel) from Ø 60/100 to Ø 80/80 mm ■ External wall ventilation air connection (Ø 80 mm) ■ Bend, 90° (Ø 80 mm) ■ Fixing clamp (Ø 125 mm) ■ Condensate trap (Ø 80 mm) ■ Vertical roof outlet (Ø 80 mm) ■ Colour: terracotta	7246554 **356,–**	Part no. **Euro**
②	**Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7338644 **63,–**	Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	7183692 **65,–**	Part no. **Euro** MG W
③	**Universal cover plate**	ZK02890 **58,–**	Part no. **Euro**
	Fixing clamp (Ø 125 mm)	7198596 **10,80**	Part no. **Euro**
④	**Pipe** (Ø 80 mm) 1 m long (can be trimmed to size)	7198580 **35,–**	Part no. **Euro**
	Pipe (Ø 80 mm) 0.5 m long (can be trimmed to size)	7198581 **25,–**	Part no. **Euro**
	Bend (Ø 80 mm) 90°	7198578 **25,–**	Part no. **Euro**
	Bend (Ø 80 mm) 45°	7198579 **36,–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**	Part no. **Euro**

Max. total flue length up to the boiler flue connection

Vitopend 100-W, type A1JB						
Rated heating output range	8.5-12.0	8.5-24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 80/80	28	28	18	20		m

Please note:
The condensate trap must be fitted.

Flue system

For Vitopend 100-W
- **Room sealed** operation
- Parallel balanced flue routing in aluminium

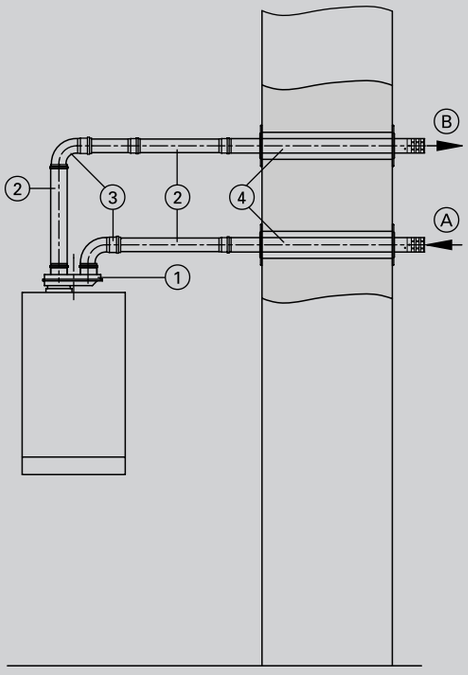
2.2

Balanced flue system
For room sealed operation
Parallel ventilation air and flue gas routing

MG WZ

For external wall connection (type C12)
(Observe country-specific regulations).

Structural unit.
The flue system for external wall connection has been tested and CE designated as one structural unit together with the Vitopend. Therefore, only this flue system may be used with the Vitopend for external wall connection; observe the installation and sizing information.



Ⓐ Ventilation air
Ⓑ Flue gas

	System size	80/80	Ø mm
①	**External wall connection, parallel** ■ Boiler flue connection (parallel) from Ø 60/100 to Ø 80/80 mm ■ External wall connection, ventilation air/flue gas ■ 90° bend (2 pce) ■ Condensate trap	7246542 **222,–**	Part no. **Euro**
②	**Pipe** (Ø 80 mm) 1 m long (can be trimmed to size)	7198580 **35,–**	Part no. **Euro**
	Pipe (Ø 80 mm) 0.5 m long (can be trimmed to size)	7198581 **25,–**	Part no. **Euro**
	Bend (Ø 80 mm) 90°	7198578 **25,–**	Part no. **Euro**
	Bend (Ø 80 mm) 45°	7198579 **36,–**	Part no. **Euro**
	Condensate drain trap with hose (length 1.5 m)	7179307 **38,–**	Part no. **Euro**

Max. total flue length up to the boiler flue connection

Vitopend 100-W, type A1JB						
Rated heating output range	8.5-12.0	8.5-24.0	11.4-29.9	13.8-34.0		kW
Max. total length: ■ System size 80/80	28	28	18	20		m

Please note:
The condensate trap must be fitted.

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Viessmann's integrated range of solutions

Digital services	ViCare ViGuide
Connectivity and platforms	Vitoconnect
Products & systems	VITOCROSSAL 300

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3

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10 year guarantee

on stainless steel heat exchangers for oil or gas condensing boilers up to 150 kW

Vitocrossal 300

Type CU3A

Gas condensing boiler for natural gas and LPG

With modulating MatriX gas burner and Lambda Pro Control Combustion controller

Permissible operating pressure 3 bar (0.3 MPa)

Product ID: CE-0085BN0570

- Seasonal central heating energy efficiency up to 94 % (H_s) [gross cv] (label A)
- Stainless steel Inox-Crossal heat exchangers for efficient utilisation of condensing technology – self-cleaning effect through smooth stainless steel surfaces
- Modulating MatriX gas burner with a wide modulation range down to 20 % for particularly quiet, economical and environmentally responsible operation
- Lambda Pro Control combustion controller for all gas types – saves on costs by extending the inspection interval to 3 years
- Excellent controllability and reliable heat transfer through wide water galleries and large water content
- Easy to operate Vitotronic control unit with plain text and graphic display
- Balanced or open flue operation
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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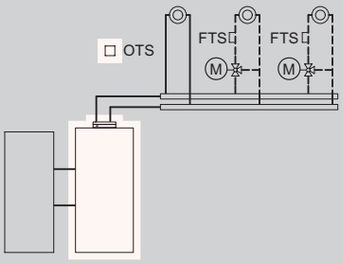
Heating system



- 1 heating circuit without mixer
- 1 or 2 heating circuits with mixer

Control unit

Vitotronic 200
Type KW6B, for weather-compensated operation

With control unit for one heating circuit without mixer and two heating circuits with mixer.

- Weather-compensated, digital boiler and heating circuit control unit
- With digital time switch with individual day and seven-day program
- With separately adjustable time periods, heating curves, set temperatures and heating programs
- With cylinder temperature controller and sensor
- With integral diagnostic system and additional functions

An extension is required for each **heating circuit with mixer**:

Mixer extension kit (mixer mounting)
Part no. ZK02940 **Euro 652,– MG W**

Mixer extension kit (wall mounting)
Part no. ZK02941 **Euro 428,– MG W**

The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the gas solenoid valve and the control unit (a conversion kit is therefore not required).
With the internal H1 extension, an external safety solenoid valve can also be connected. To interlock an external extractor, the internal H2 extension (part no. 7436477) is required instead of the internal H1 extension (part no. 7436476).

Standard delivery:

- Boiler body with thermal insulation
- Boiler control unit
- Modulating MatriX gas burner with Lambda Pro Control combustion controller for open flue or room sealed operation
- Boiler flue connection
- Fully wired

Notes:
Gas shut-off valve with thermally activated safety shut-off valve must also be ordered; see "Accessories".

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	Burner versions Fuel	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C					MG WG
		5.2 - 26.0 4.7 - 24.0	7.0 - 35.0 6.3 - 32.3	12.0 - 45.0 10.9 - 41.6	12.0 - 60.0 10.9 - 55.5		
	MatriX gas burner Natural gas E (H) Natural gas LL LPG P	CU3A038 **8.926,–** A	CU3A039 **9.759,–** A	CU3A040 **11.234,–** A	CU3A041 **13.353,–** A		Part no. **Euro** Energy
	Specification						
	Length	684	684	801	801		mm
	Width	660	660	660	660		mm
	Height	1562	1562	1562	1562		mm
	Weight	122	125	155	160		kg
	Flue gas connection	80	80	110	110		Ø mm
	Ventilation air connection	125	125	150	150		Ø mm

The appliances are tested and approved for natural gas and LPG to EN 15502.

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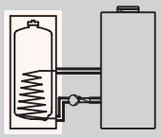
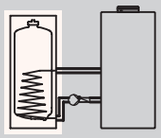
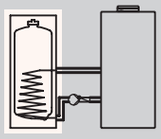
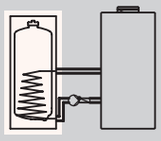
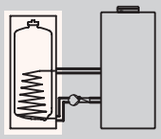
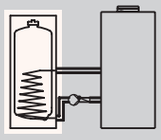
3.1

Accessories		
Vitocell 100-V		MG WH
Vitocell 100-V, type CVAA DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 26 kW rated heating output. 	Z018463 **1.105,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 26 kW rated heating output. 	Z018465 **1.243,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAA DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 45 kW rated heating output. 	Z018467 **1.142,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 45 kW rated heating output. 	Z018642 **1.282,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAB DHW cylinder ■ 300 l capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers with 45 to 60 kW rated heating output. 	Z021911 **1.464,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVA DHW cylinder ■ 500 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Order system connection separately. Recommended for boilers with 45 to 60 kW rated heating output. 	Z002576 **2.885,–** B	Part no. **Euro** Energy
System connections (suitable for the above DHW cylinders)		MG WH
System connection ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve	ZK00892 **694,–**	Part no. **Euro**

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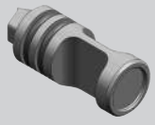
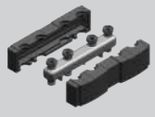
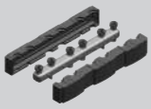
Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo Para 25/6 high efficiency circulation pump	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo Para 25/8 high efficiency circulation pump	**–**		Z024682 **1.586,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/6 high efficiency circulation pump	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/8 high efficiency circulation pump	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 145) To replace the connecting cable supplied in the standard delivery for linking the two mixer PCBs, in the case of 2 heating circuits with mixer		7424960 **34,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**

Accessories			
Divicon accessories **Connection to heating circuit (nominal diameter)**	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**		

Notes:
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

Heating circuit		MG W
Distributor for solar central heating backup Connection assembly for straightforward installation between the boiler flue connection and Divicon heating circuit distributor. Can be mounted either on the boiler or the wall. Nominal diameter R1, can be used for nominal flow rates of up to 2.5 m³/h. ■ Distributor ■ 3-way diverter valve ■ Thermal insulation ■ Sensor well for return temperature sensor The solar control module, type SM1, as well as the temperature sensors for the heating water buffer cylinder and the heating water return must be ordered separately; see "Control unit accessories". *With Vitocrossal, only wall mounting is possible.*	7441163 **594,–**	Part no. **Euro**
Extension for installation on a wall ■ For direct connection of the distributor with a wall mounted Divicon heating circuit distributor ■ Incl. thermal insulation *Order separately.*	7441445 **142,–**	Part no. **Euro**
Wall mounting bracket Required if the distributor is not fitted to a manifold.	7441165 **55,–**	Part no. **Euro**

Accessories		MG W
Tee without check valve G 1½ × 1¼ × 1½ (85 mm long) For connection of the DHW cylinder.	7336644 **67,–**	Part no. **Euro**
Tee with check valve G 1½ × 1¼ × 1½ (85 mm long) For connection of the DHW cylinder.	7336645 **105,–**	Part no. **Euro**

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Accessories

Safety assembly

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG W
Safety equipment block ■ Safety assembly with safety valve (3 bar/0.3 MPa) ■ Thermal insulation	7143779 **160,–**				7143780 **160,–**		Part no. **Euro**

Heating circuit

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG W
Welded fitting DN 25 (2 pce) With union nut G 1½ and gasket	7307292 **43,–**						Part no. **Euro**
Welded fitting DN 32 (2 pce) With union nut G 1½ and gasket	7205805 **43,–**						Part no. **Euro**
Welded fitting DN 40 (2 pce) With union nut G 1½ and gasket	7515240 **43,–**						Part no. **Euro**
Threaded fitting R 1 (2 pce) With union nut G 1½ and gasket	7307293 **20,–**						Part no. **Euro**
Threaded fitting R 1¼ (2 pce) With union nut G 1½ and gasket	7205935 **46,–**						Part no. **Euro**

Neutralising systems

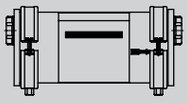
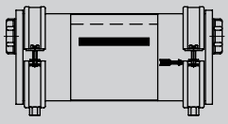
Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connecting hose for connection to the boiler trap	ZK03652 **292,–**				**–**		Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system Part no. ZK03652.	ZK03654 **91,–**				**–**		Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers 45 to 60 kW ■ With neutralising granulate ■ With connecting hose for connection to the boiler trap	**–**				ZK03653 **303,–**		Part no. **Euro**

3.1

3.1

Accessories

Neutralising systems

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG W
Neutralising granulate (3.3 kg) *Can be used with neutralising system* *Part no. ZK03653.*	–				ZK03655 **106,–**		Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate (2.6 kg) ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**				–		Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) *Can be used with neutralising system* *Part no. 7968318.*	7857853 **68,–**				–		Part no. **Euro** MG E
Neutralising system with wall mounting bracket ■ For condensing boilers 35 to 60 kW ■ With neutralising granulate (3.5 kg) 	–				7968319 **303,–**		Part no. **Euro**
Neutralising granulate (3.5 kg) *Can be used with neutralising system* *Part no. 7968319.*	–				7857854 **77,–**		Part no. **Euro** MG E
Connection hose For connecting the neutralising system or activated carbon filter to the on-site drain	ZK01912 **13,–**						Part no. **Euro**

Condensate removal pumps

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: Changeover contact (floating) 250 V/4 A (ohmic load) *Max. condensate outlet height from trap approx. 100 mm. The condensate drain hose must not be laid more than 160 mm above the floor. Do not feed the hose into the condensate removal pump in a bend.*	ZK02486 **254,–**						Part no. **Euro**

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Accessories							
Gas shut-off valves							
Rated boiler heating output range (kW)	**13.0**	**19.0**	**26.0**	**35.0**	**45.0**	**60.0**	**MG W**
Gas shut-off valve R ¾ With thermally activated safety shut-off valve	7197451 **69,–**						Part no. **Euro**
Sensors							
Rated boiler heating output range (kW)	**13.0**	**19.0**	**26.0**	**35.0**	**45.0**	**60.0**	**MG W**
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z015500 **245,–**						Part no. **Euro**
Miscellaneous							
Rated boiler heating output range (kW)	**13.0**	**19.0**	**26.0**	**35.0**	**45.0**	**60.0**	
Service box ■ Protective box for service folder with system documentation ■ Can be fitted to the heat generator or the wall ■ Colour: Vitosilver	7334502 **12,60**						Part no. **Euro** **MG N**
Flue gas intermediate piece Ø 80 x 175 mm Extension for boiler flue connection	ZK05735 **13,–**				–		Part no. **Euro** **MG WZ**
Coaxial flue gas intermediate piece Ø 80/125 x 175 mm Extension for boiler flue connection	ZK05975 **61,–**				–		Part no. **Euro** **MG W**

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Accessories		
Heating circuit control unit extension		MG W
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug	ZK02940 **652,–**	Part no. **Euro**
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for **separately** ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug	ZK02941 **428,–**	Part no. **Euro**
Function extensions		MG W
The function of the integral Vitotronic can be extended with the following accessories. Internal H1 or H2 extensions are installed in the Vitotronic and each performs a safety function plus one additional function (see description). ■ An external safety solenoid valve can be connected with the internal H1 extension. ■ The internal H2 extension can be used for external extractor interlock. Only **one** internal extension can be installed in the Vitotronic. Where additional functions are required for the heating system, use the EA1 extension (see description). One internal extension can be combined with the EA1 extension.		
Internal H1 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ Connection of an external safety solenoid valve (LPG) ■ Connecting a central fault message	7436476 **105,–**	Part no. **Euro**
Internal H2 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ External extractor interlock ■ Connecting a central fault message	7436477 **105,–**	Part no. **Euro**

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Accessories		
Function extensions		MG W
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set boiler water temperature **3 digital inputs** ■ External changeover of the operating status for heating circuits 1 to 3 on the weather-compensated control unit ■ External blocking ■ External blocking with central fault message ■ Minimum boiler water temperature demand ■ Fault messages ■ Brief operation of the DHW circulation pump in systems with weather-compensated control unit **1 switching output (floating changeover contact)** ■ Issuing a central fault message ■ Feed pump connection to a substation	7452091 **227,–**	Part no. **Euro**

Notes:
According to TRF 1996, Vol. 2 – valid as of 1 September 1997 – an external safety solenoid valve is no longer required when installing the appliance below ground level. However, the high safety standard derived from the use of an external safety solenoid valve has proved to be valuable. We therefore recommend the continued installation of an external safety solenoid valve when installing the appliance below ground level.

Notes:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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Vitodens 050-W (3.2 to 25 kW)		**4.1**
Vitodens 100-W (3.2 to 32 kW)		**4.2**
Vitodens 111-W (3.2 to 32 kW)		**4.3**
Vitodens 111-F (3.2 to 32 kW)		**4.4**
Vitodens 200-W (1.9 to 32 kW)		**4.5**
Vitodens 200-W (49 to 150 kW)	Single boiler system	**4.6**
Vitodens 200-W (98 to 594 kW)	Multi boiler system	**4.7**
Vitodens 222-W (1.9 to 32 kW) Storage combi boiler with integral loading cylinder		**4.8**
Vitodens 222-F (1.9 to 25 kW) – Storage combi boiler with integral loading cylinder – Storage combi boiler with integral DHW cylinder		**4.9**
Flue systems		**4.10**
Flue systems		**4.11**
Flue systems		**4.12**

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Control unit versions

Control functions	Control unit for Vitodens 100-W	Vitotronic 100 (type HC1B) for constant temperature mode	Vitotronic 200 (type HO1B) for weather-compensated mode	Vitotronic 300-K (type MW2B)*2 cascade control unit	Control unit for Vitodens 200-W, type B2HF, B2KF
For constant boiler water temperature	●	●			●
For modulating boiler water temperature	*1		●	●	●
With Lambda Pro Control combustion controller	●	●	●		
With Lambda Pro Plus combustion controller					●
With cylinder temperature controller	●	●	●	●	●
With mixer control for one heating circuit	●*1		●*1	●*1	●*1
With mixer control for two heating circuits	●*1		●*1	●*1	●*1
With mixer control for three heating circuits					●*1
With time switch with individual day and seven-day program	●*1	●*1	●	●*1	●
With colour touchscreen					
With display with plain text prompts			●	●	●
With diagnostic system	●	●	●	●	●
With separate switching times for DHW heating	●*1		●	●	●
With control for DHW circulation pump	●*3		●*1	●	●*3
With separate switching times for DHW circulation pump			●*1	●	●
With control for solar control module, type SM1		●	●	●	
With control for solar control module, type SM1 (integrated in Solar-Divicon)	●				●
With EM-S1 extension (accessory) for solar DHW heating and basic central heating backup	●*3				●*1
With communication with the Vitosolic solar control unit		●	●	●	
With display of solar temperatures and operating states		●	●	●	●
With control for cylinder loading system				●	
With cascade control				●	
Capable of communicating via LON bus			●*1	●*1	
Capable of communicating via CAN bus	●				●
Remote control of the heating circuits with Vitotrol app				●*1	
With integrated WiFi interface for operation and service via Viessmann Service Tools	●				●

*1 *Possible with accessories.*
*2 *One unit for the multi boiler system – Vitodens 200-W with 49 to 99 kW only.*
*3 *With accessories as necessary.*

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10 year guarantee
on stainless steel heat exchangers for
oil/gas condensing boilers up to 150 kW

Vitodens 050-W

Type B0KA-19, B0KA-25, B0KA-32 for single connection
Type B0HA-19 and B0HA-25 for single connection
Type B0KA-19-M, B0KA-25-M for multiple connection

Wall mounted gas condensing boiler
With modulating MatriX-Plus burner, for open flue or room sealed operation.

For natural gas and LPG

Permissible boiler operating pressure 3 bar (0.3 MPa)

Permissible operating pressure of associated DHW cylinders 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE-CE-0063DL3422

- Seasonal central heating energy efficiency eta$_s$ up to 92 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:10
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro combustion controller for permanently high efficiency and clean combustion
- Power saving, high efficiency circulation pump
- Straightforward operation via control unit with LED display and touch buttons
- Web-enabled through integral WiFi interface for operation and service via Viessmann apps
- Local access for service and commissioning via Viessmann apps (without active internet connection)

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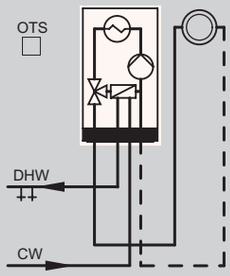
VITODENS 050-W

Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,–** **MG W**

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL/Lw/K is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permitted.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve
- Expansion vessel (8 litres)
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Please note:
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device for the boiler flue connection must be added to the order (part no. ZK05976).
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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	System		Rated heating output range (kW) for central heating and heating water temperatures of 50/30 °C or 80/60 °C				MG W1
			3.2 - 19.0 2.9 - 17.1	3.2 - 25.0 2.9 - 22.4	7.0 - 25.0 6.3 - 22.5		
	For single connection	**With WiFi module** **Fuel:** **Natural gas E (H)** **Natural gas LL** **LPG P**	Z024795 **1.255,–** A A	Z024796 **1.314,–** A A	**–**		Part no. **Euro**
	For multiple connection	**With WiFi module** **Fuel:** **Natural gas E (H)** **Natural gas LL**	**–**	**–**	Z024666 **1.417,–** A A		Part no. **Euro**

4.1

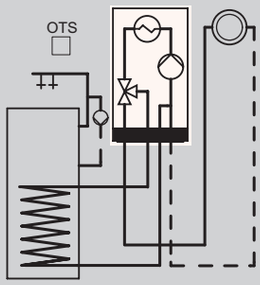
Specification						
Type		B0KA	B0KA	B0KA		
Length		300	300	300		mm
Width		400	400	400		mm
Height		700	700	700		mm
Weight		33	33	33		kg
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		25.4	29.6	29.6		kW
Draw-off rate		12.0	14.0	14.0		l/min

The appliances are tested and approved for natural gas and LPG to EN 15502.

Notes on LPG:
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 050-W

Gas condensing system boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,–** **MG W**

4.1

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL/Lw/K is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Using appliances for single connection on a common flue system is not permitted.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve (for connecting a DHW cylinder)
- Expansion vessel (8 litres)
- Fully plumbed and wired
- Boiler flue connection

Please note:
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device for the boiler flue connection must be added to the order (part no. ZK05976).
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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	System		Rated heating output range (kW) for central heating and heating water temperatures of 50/30 °C or 80/60 °C			MG W1
			3.2 - 19.0 2.9 - 17.1	3.2 - 25.0 2.9 - 22.4		
	For single connection	**With WiFi module** **Fuel:** **Natural gas E (H)** **Natural gas LL** **LPG P**	Z024797 **1.180,–** A	Z024798 **1.248,–** A		Part no. **Euro**
	Specification					
	Type		B0HA	B0HA		
	Length		300	300		mm
	Width		400	400		mm
	Height		700	700		mm
	Weight		33	33		kg
	Flue gas connection		60	60		Ø mm
	Ventilation air connection		100	100		Ø mm

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on LPG:
Different rated heating output when operating with LPG; see technical guides.

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Smart thermostats

		MG Y
ViCare thermostat (2-point controller) The function of a wireless, battery-operated class IV room thermostat is provided in conjunction with the ViCare climate sensor. Operation only via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with 2-point room temperature control ►For more information on system requirements and usage, see Register 1	ZK05990 **106,–**	Part no. **Euro**
ViCare thermostat (modulating) The function of a wireless, battery-operated class V room thermostat is provided in conjunction with the ViCare climate sensor. Operation only via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with modulating room temperature control ►For more information on system requirements and usage, see Register 1	ZK05991 **118,–**	Part no. **Euro**

Please note:
The ViCare thermostats **cannot** be used in conjunction with an outside temperature sensor.

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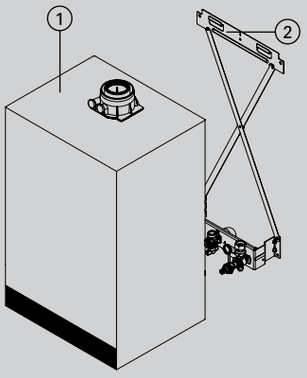
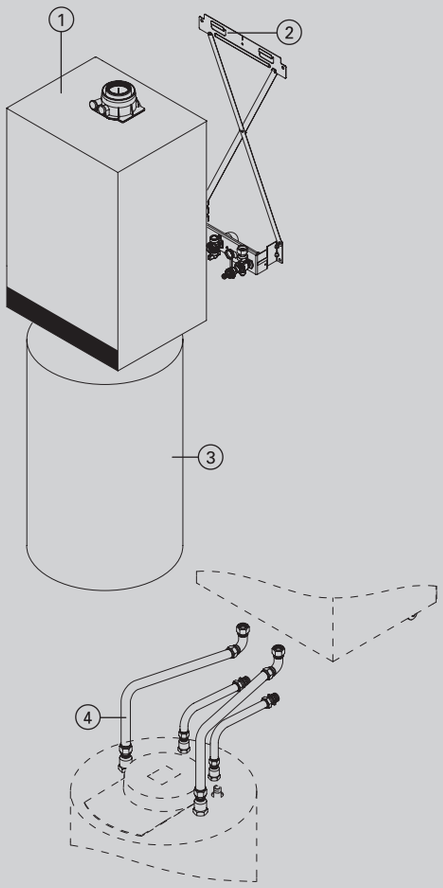
System diagram		MG W
		
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
Optional		
Cylinder temperature sensor To capture the DHW temperature (3.75 m long). *Required with on-site DHW cylinder.*	ZK04671 **110,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**
Caps for cylinder connection For gas system boilers For sealing off the cylinder flow and return if operating without a DHW cylinder.	ZK02164 **6,–**	Part no. **Euro**
Refilling device for pre-plumbing jig For gas system boilers ■ With pipe separator	ZK02163 **67,–**	Part no. **Euro**
Pipe bends for pre-plumbing jig for surface mounting – pressing and soldering For gas system boilers	ZK02590 **25,–**	Part no. **Euro**

VITODENS 050-W

Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Steel with **Ceraprotect enamel coating**

System diagram		MG W
		
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-W, type CUGB** DHW cylinder below the boiler, with internal indirect coil ■ 120 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018459 **1.079,–** B	Part no. **Euro** Energy MG WH
Vitocell 100-W, type CUGB DHW cylinder below the boiler, with internal indirect coil ■ 150 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018461 **1.159,–** B	Part no. **Euro** Energy MG WH
④ **Connection set for DHW cylinder below the boiler** For surface or flush mounting (must be added to the order) ■ Connection lines ■ Cylinder temperature sensor	ZK04709 **206,–**	Part no. **Euro**
Optional		
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of two temperatures	ZK05265 **75,–**	Part no. **Euro**
Pressure reducer (DN 15)	7180148 **81,–**	Part no. **Euro** MG WZ
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**

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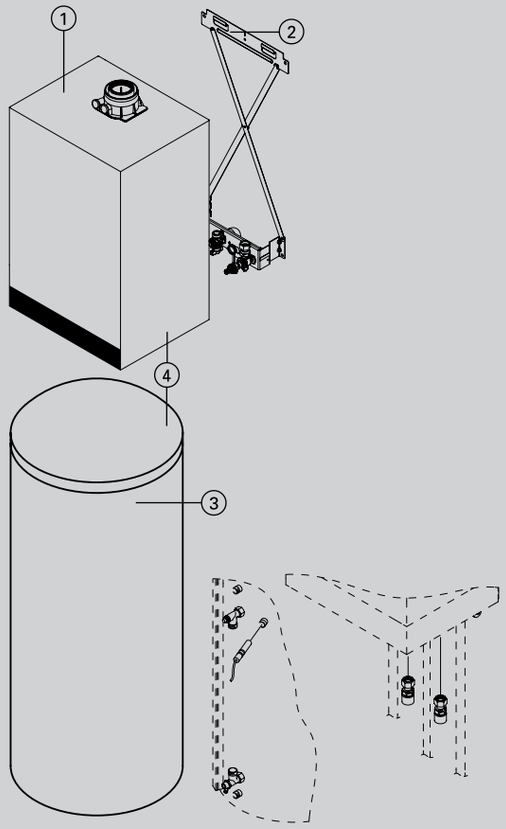
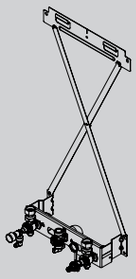
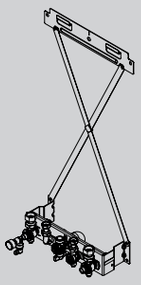
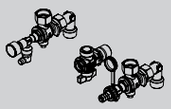
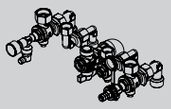
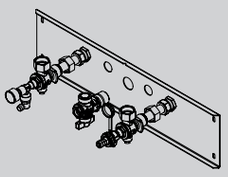
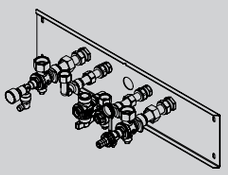
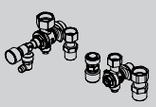
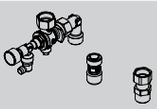
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

System diagram		MG W
		
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-W, type CVBC** DHW cylinder adjacent to the boiler, with 2 internal indirect coils ■ 300 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021914 **1.840,–** B	Part no. **Euro** Energy MG WH
④ **Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, threaded fitting version** (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04710 **165,–**	Part no. **Euro**
Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, solder version (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04711 **165,–**	Part no. **Euro**
Optional		
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**

4.1

Accessories		
Installation accessories		MG W
Pre-plumbing jig for surface mounting For gas system boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04307 **222,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For gas combi boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04919 **240,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04669 **194,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04925 **167,–**	Part no. **Euro**
Valves/fittings for flush mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04670 **204,–**	Part no. **Euro**
Valves/fittings for flush mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04926 **324,–**	Part no. **Euro**
Valves/fittings for surface mounting "light version" For gas combi boilers ■ Gas connection piece ■ Connection pieces and angle valves 	ZK05672 **124,–**	Part no. **Euro**
Valves/fittings for surface mounting "light version" For gas system boilers ■ Gas connection piece ■ Connection pieces and angle valves 	ZK05673 **106,–**	Part no. **Euro**

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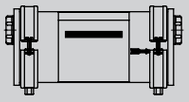
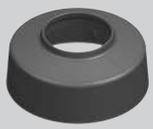
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover for 400 mm wide appliances Height: 250 mm Individual and with DHW cylinder adjacent to the boiler	7968915 **138,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connection hose for connection to the boiler trap	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate (2.6 kg) ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg)	7857853 **68,–**	Part no. **Euro** MG E

4.1

Accessories		
Accessories		MG W
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1 Suitable for the following DHW cylinders: ■ Vitocell 100 up to 500 litre capacity ■ Vitocell 300 up to 200 litre capacity	7172847 **617,–**	Part no. **Euro**
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1¼ Suitable for the following DHW cylinders: ■ Vitocell 300 with 300 to 500 litre capacity	7172848 **669,–**	Part no. **Euro**
Miscellaneous		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**
Plate heat exchanger flushing system Adaptor plate for fitting on the plate heat exchanger after removal. For easy connection of flushing equipment to the plate heat exchanger.	7373005 **111,–**	Part no. **Euro**
Balanced flue system		MG W
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro**

Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
OpenTherm modulating room temperature controller ■ With seven-day program ■ With connecting cable ■ Operation without batteries (power supply via the boiler)	Z014134 **194,–**	Part no. **Euro**

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Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100-E (incl. on/off room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (meets **ErP Level 4**) ■ Child lock ■ The display shows the room temperature, time and operating conditions. ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit* *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.*	7949932 **201,–**	Part no. **Euro**
Vitotrol 100-E (incl. modulating room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (modulating; meets **ErP Level 5**) ■ Child lock ■ The display shows the room temperature, time and operating conditions ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit* *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.*	7968153 **212,–**	Part no. **Euro**
Sensors		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Miscellaneous		MG W
Cylinder demand junction box (230 V) For operation with a cylinder temperature sensor.	7574319 **191,–**	Part no. **Euro**

►For information on ViGuide for commissioning, diagnostics and service, see Register 1 and www.viguide.info.

10 year guarantee
on stainless steel heat exchangers for
oil/gas condensing boilers up to 150 kW

Vitodens 100-W

For single connection:
Type B1HF/B1KF
For multiple connection:
Type B1HF/B1KF-M

Wall mounted gas condensing boiler,
with modulating MatriX-Plus burner, for open flue or room sealed operation.

For natural gas and LPG

Permissible boiler operating pressure 3 bar (0.3 MPa)

Permissible operating pressure of associated DHW cylinders 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE-0085DL0217

- Seasonal central heating energy efficiency eta$_s$ up to 94 % (label A).
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:10.
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro combustion controller for consistently high efficiency and clean combustion
- Power saving, high efficiency circulation pump
- Straightforward operation via control unit with LED display and touch buttons
- Web-enabled through integral WiFi interface for operation and service via Viessmann apps.
- Local access for service and commissioning via Viessmann apps (without active internet connection)

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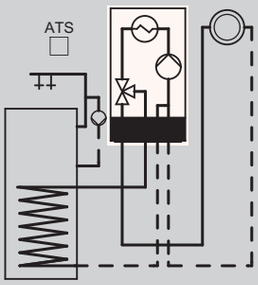
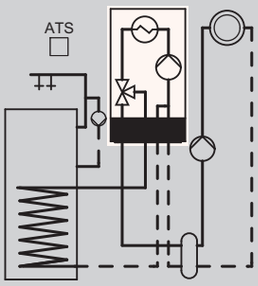
VITODENS 100-W

Gas condensing system boiler
For open or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W** Connecting a DHW circulation pump requires an extension. **EM-P1 extension** Part no. Z017411 **Euro 198,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump). The DHW circulation pump can also be connected to this extension: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

4.2

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permissible.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve (for connecting a DHW cylinder)
- Expansion vessel (8 litres)
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.

► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C						MG WC
	3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.1 - 23.0	5.7 - 32.0 5.2 - 29.3	
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022859 **1.547,–** A	Z022860 **1.705,–** A	Z022861 **1.860,–** A	–	–	–	Part no. **Euro** Energy
For multiple connection Natural gas E (H) Natural gas LL *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022862 **1.547,–** A	Z022863 **1.705,–** A	Z022864 **1.860,–** A	Part no. **Euro** Energy
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022859 **1.547,–** A	Z022860 **1.705,–** A	Z022861 **1.860,–** A	–	–	–	Part no. **Euro** Energy
For multiple connection Natural gas E (H) Natural gas LL *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022862 **1.547,–** A	Z022863 **1.705,–** A	Z022864 **1.860,–** A	Part no. **Euro** Energy

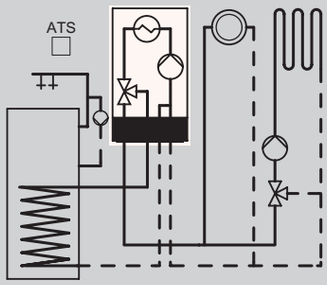
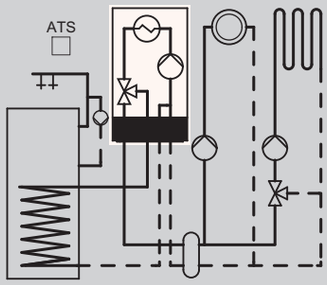
Specification							
Length	360	360	360	360	360	360	mm
Width	400	400	400	400	400	400	mm
Height	700	700	700	700	700	700	mm
Weight	32	32	32	32	32	32	kg
Flue gas connection	60	60	60	60	60	60	Ø mm
Ventilation air connection	100	100	100	100	100	100	Ø mm
DHW output	17.5	23.0	29.3	17.5	23.0	29.3	kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Notes on LPG!
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 100-W

Gas condensing system boiler
For open or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension kit is required for the heating circuit with mixer; the EM-P1 extension is required for connecting a DHW circulation pump: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1 heating circuit with mixer ■ With low loss header	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface When using a low loss header, an extension kit is required for the heating circuit with mixer and the EM-P1 extension for the heating circuit without mixer. A DHW circulation pump can also be connected to the EM-P1 extension: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 211,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permissible.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve (for connecting a DHW cylinder)
- Expansion vessel (8 litres)
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.

► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3		MG WC
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022859 **1.547,–** A	Z022860 **1.705,–** A	Z022861 **1.860,–** A	–	–	–		Part no. **Euro** Energy
For multiple connection Natural gas E (H) Natural gas LL *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022862 **1.547,–** A	Z022863 **1.705,–** A	Z022864 **1.860,–** A		Part no. **Euro** Energy
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022859 **1.547,–** A	Z022860 **1.705,–** A	Z022861 **1.860,–** A	–	–	–		Part no. **Euro** Energy
For multiple connection Natural gas E (H) Natural gas LL *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022862 **1.547,–** A	Z022863 **1.705,–** A	Z022864 **1.860,–** A		Part no. **Euro** Energy

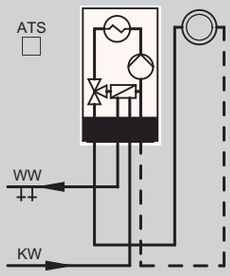
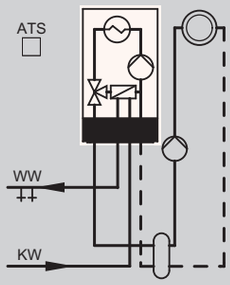
Specification								
Length	360	360	360	360	360	360		mm
Width	400	400	400	400	400	400		mm
Height	700	700	700	700	700	700		mm
Weight	32	32	32	32	32	32		kg
Flue gas connection	60	60	60	60	60	60		Ø mm
Ventilation air connection	100	100	100	100	100	100		Ø mm
DHW output	17.5	23.0	29.3	17.5	23.0	29.3		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Notes on LPG!
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 100-W

Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

4.2

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permissible.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve
- Expansion vessel (8 litres)
- Integral refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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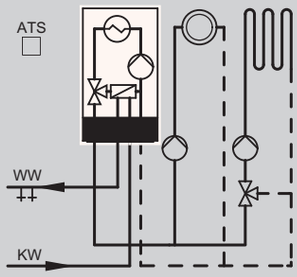
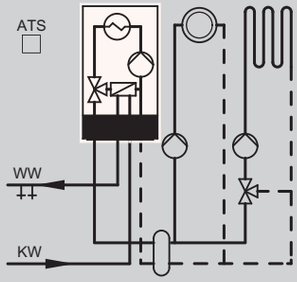
System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3	MG WC
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022865 **1.712,–** A A	Z022866 **1.794,–** A A	Z022867 **1.953,–** A A	–	–	–	Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022868 **1.737,–** A A	Z022869 **1.819,–** A A	Z022870 **1.981,–** A A	Part no. **Euro**
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022865 **1.712,–** A A	Z022866 **1.794,–** A A	Z022867 **1.953,–** A A	–	–	–	Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022868 **1.737,–** A A	Z022869 **1.819,–** A A	Z022870 **1.981,–** A A	Part no. **Euro**
Specification							
Length	360	360	360	360	360	360	mm
Width	400	400	400	400	400	400	mm
Height	700	700	700	700	700	700	mm
Weight	35	35	35	35	35	35	kg
Flue gas connection	60	60	60	60	60	60	Ø mm
Ventilation air connection	100	100	100	100	100	100	Ø mm
DHW output	26.8	31.1	34.2	26.8	31.1	34.2	kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Notes on LPG!
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 100-W

Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension kit is required for the heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1 or 2 heating circuits with mixer ■ With low loss header	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface When using a low loss header, an extension kit is required for the heating circuit with mixer and the EM-P1 extension for the heating circuit without mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

4.2

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permissible.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve
- Expansion vessel (8 litres)
- Integral refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C							MG WC
	3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3		
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022865 **1.712,–** A A	Z022866 **1.794,–** A A	Z022867 **1.953,–** A A	–	–	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022868 **1.737,–** A A	Z022869 **1.819,–** A A	Z022870 **1.981,–** A A		Part no. **Euro**
For single connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	Z022865 **1.712,–** A A	Z022866 **1.794,–** A A	Z022867 **1.953,–** A A	–	–	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL LPG P *Fittings for surface mounting "light version" are included in the scope of delivery*	–	–	–	Z022868 **1.737,–** A A	Z022869 **1.819,–** A A	Z022870 **1.981,–** A A		Part no. **Euro**
Specification								
Length	360	360	360	360	360	360		mm
Width	400	400	400	400	400	400		mm
Height	700	700	700	700	700	700		mm
Weight	35	35	35	35	35	35		kg
Flue gas connection	60	60	60	60	60	60		Ø mm
Ventilation air connection	100	100	100	100	100	100		Ø mm
DHW output	26.8	31.1	34.2	26.8	31.1	34.2		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Notes on LPG!
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

Mobile applications and smart thermostats

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see www.vicare.info

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

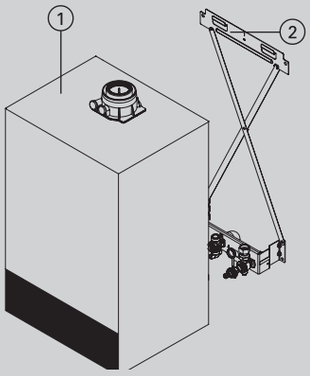
In addition to the free version, ViGuide Pro and ViGuide Premium are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see www.viguide.info

Smart thermostats

		MG Y
ViCare thermostat (2-point controller) The function of a wireless, battery-operated class IV room thermostat is provided in conjunction with the ViCare climate sensor. Operation only via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with 2-point room temperature control ►For more information on system requirements and usage, see Register 1 **Note!** Usage not possible in conjunction with an outside temperature sensor.	ZK05990 **106,–**	Part no. **Euro**
ViCare thermostat (modulating) The function of a wireless, battery-operated class V room thermostat is provided in conjunction with the ViCare climate sensor. Operation only via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with modulating room temperature control ►For more information on system requirements and usage, see Register 1 **Note!** Usage not possible in conjunction with an outside temperature sensor.	ZK05991 **118,–**	Part no. **Euro**

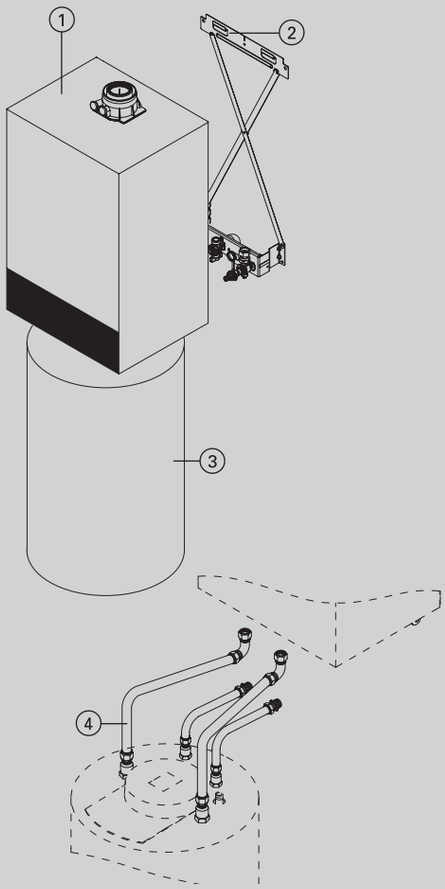
System diagram



		MG W
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
Optional		
Cylinder temperature sensor To capture the DHW temperature (3.75 m long). *Required with on-site DHW cylinder.*	ZK04671 **110,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**
Adaptor for on-site DHW cylinders ■ 2 adaptors G ¾	ZK05730 **46,–**	Part no. **Euro**
Caps for cylinder connection For gas system boilers For sealing off the cylinder flow and return if operating without a DHW cylinder.	ZK02164 **6,–**	Part no. **Euro**

VITODENS 100-W

Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Made from steel, with **Ceraprotect enamel coating**



System diagram		MG WH
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-W, type CUGB-A** DHW cylinder below the boiler, with internal indirect coil ■ 120 litre capacity ■ Steel, with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitopearlwhite	Z018460 **1.243,–**	Part no. **Euro**
Vitocell 100-W, type CUGB-A DHW cylinder below the boiler, with internal indirect coil ■ 150 litre capacity ■ Steel, with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitopearlwhite	Z018462 **1.338,–**	Part no. **Euro**
Vitocell 100-W, type CUGB DHW cylinder below the boiler, with internal indirect coil ■ 120 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018459 **1.079,–**	Part no. **Euro**
Vitocell 100-W, type CUGB DHW cylinder below the boiler, with internal indirect coil ■ 150 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018461 **1.159,–**	Part no. **Euro**
④ **Connection set for DHW cylinder below the boiler** For surface or flush mounting (must be added to the order) ■ Connection lines ■ Cylinder temperature sensor	ZK04709 **206,–**	Part no. **Euro** MG W
Optional		
Immersion heater EHE Heating output: **2.2 kW** For installation in the Vitocell through the cylinder flange at the top. ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover ■ Gasket ■ Power cable with connection plug	7958574 **618,–**	Part no. **Euro** MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** MG W

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Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram			MG W
	Thermometer ■ For wall mounting ■ Digital display of two temperatures	ZK05265 **75,–**	Part no. **Euro**
	Safety assembly to DIN 1988 (DN 15) For surface mounting ■ Diaphragm safety valve 10 bar (1 MPa)	7180097 **176,–**	Part no. **Euro**
	Pressure reducer (DN 15)	7180148 **81,–**	Part no. **Euro**
	Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro** MG WZ
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro**

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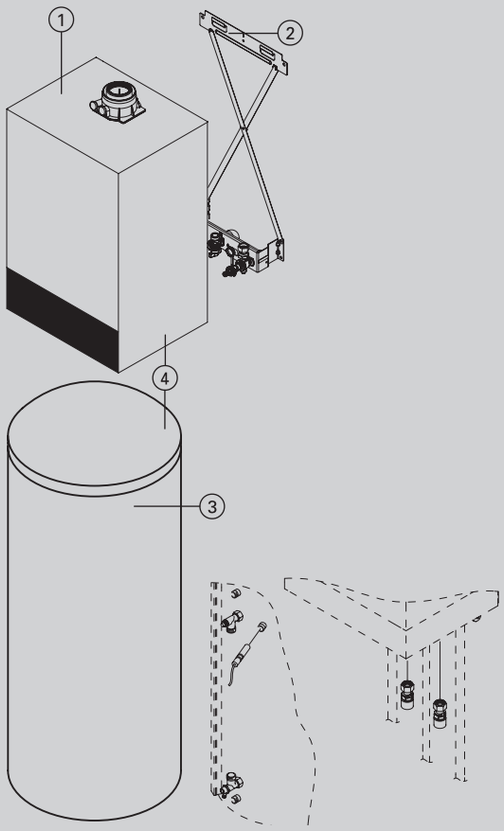
VITODENS 100-W

Accessories
With Vitocell 100-W adjacent to the boiler (160, 200 or 300 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram



		MG WH
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-V, type CVAB-A** DHW cylinder adjacent to the boiler ■ 160 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitopearlwhite	Z018466 **1.279,–**	Part no. **Euro**
Vitocell 100-V, type CVAB-A DHW cylinder adjacent to the boiler ■ 200 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitopearlwhite	Z018641 **1.320,–**	Part no. **Euro**
Vitocell 100-V, type CVAA DHW cylinder adjacent to the boiler ■ 160 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018464 **1.105,–**	Part no. **Euro**
Vitocell 100-V, type CVAA DHW cylinder adjacent to the boiler ■ 200 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018468 **1.142,–**	Part no. **Euro**
Vitocell 100-V, type CVAB DHW cylinder adjacent to the boiler ■ 300 l capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021912 **1.464,–**	Part no. **Euro**
④ **Connection set for adjacent DHW cylinder with cylinder temperature sensor, threaded fitting version** (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04710 **165,–**	Part no. **Euro** **MG W**
Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, solder version (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04711 **165,–**	Part no. **Euro** **MG W**
Optional		
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** **MG W**
Thermometer ■ For wall mounting ■ Digital display of two temperatures	ZK05265 **75,–**	Part no. **Euro** **MG W**

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Accessories
With Vitocell 100-W adjacent to the boiler (160, 200 or 300 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram			MG W
	Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge ■ Up to 200 litre cylinder capacity	7219722 **251,–**	Part no. **Euro**
	Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector ■ From 300 to 1000 litre cylinder capacity. *For surface mounting.*	7180662 **251,–**	Part no. **Euro**
	Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro**

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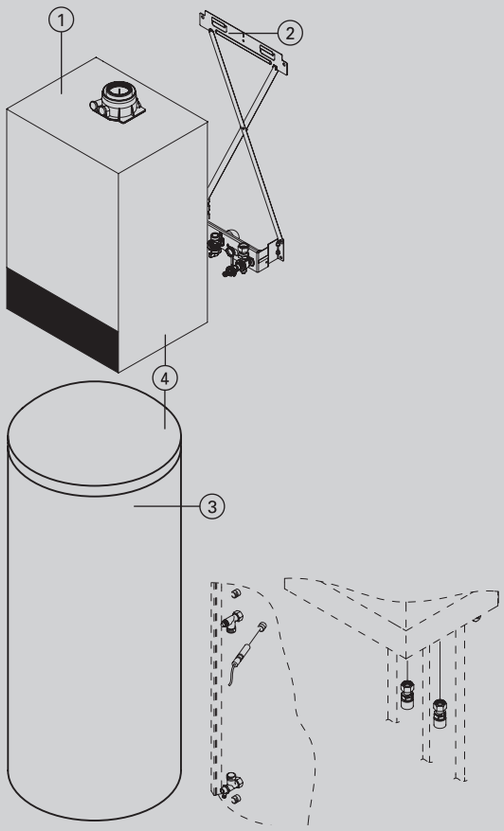
VITODENS 100-W

Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

System diagram



		MG W
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-B, type CVBC** DHW cylinder adjacent to the boiler, with 2 internal indirect coils ■ 300 l capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021914 **1.840,–**	Part no. **Euro** **MG WH**
Vitocell 100-W, type CVB DHW cylinder adjacent to the boiler, with 2 internal indirect coils ■ 400 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021915 **2.627,–**	Part no. **Euro** **MG WH**
④ **Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, threaded fitting version** (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04710 **165,–**	Part no. **Euro**
Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, solder version (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04711 **165,–**	Part no. **Euro**
Optional		
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of two temperatures	ZK05265 **75,–**	
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder.	7595765 **35,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector *For surface mounting.*	7180662 **251,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**

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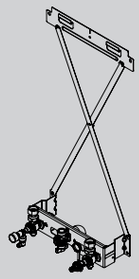
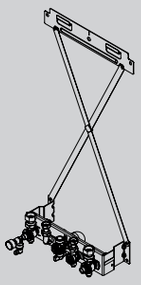
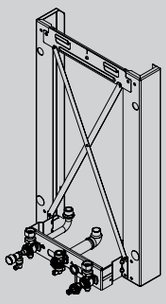
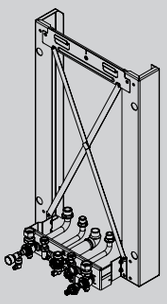
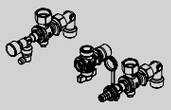
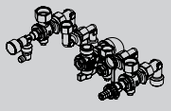
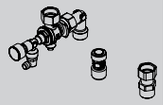
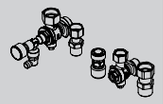
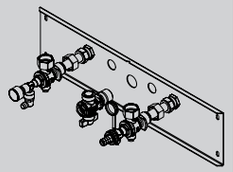
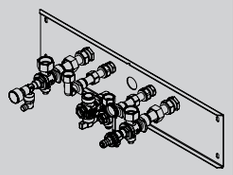
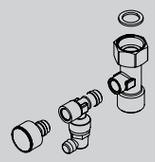
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

System diagram			
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro**
	Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*	ZK01793 **302,–**	Part no. **Euro** **MG N**

Accessories		
Installation accessories		MG W
Pre-plumbing jig for surface mounting For gas system boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04307 **222,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For gas combi boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04919 **240,–**	Part no. **Euro**
Mounting frame for surface mounting For gas system boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04308 **360,–**	Part no. **Euro**
Mounting frame for surface mounting For gas combi boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04922 **405,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04669 **194,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04925 **167,–**	Part no. **Euro**

Accessories		
Installation accessories		MG W
Valves/fittings for surface mounting "light version" For gas system boilers ■ Gas connection piece ■ Connection pieces and angle valves *Scope of delivery* 	ZK05673 **106,–**	Part no. **Euro**
Valves/fittings for surface mounting "light version" For gas combi boilers ■ Gas connection piece ■ Connection pieces and angle valves *Scope of delivery* 	ZK05672 **124,–**	Part no. **Euro**
Valves/fittings for flush mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04670 **204,–**	Part no. **Euro**
Valves/fittings for flush mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04926 **324,–**	Part no. **Euro**
Pressure gauge supplementary set For retrofitting an analogue pressure gauge on the heating flow ■ Pressure gauge ■ Connecting tee ■ Air vent valve 	ZK05681 **31,–**	Part no. **Euro**

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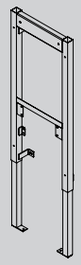
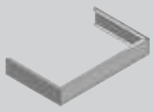
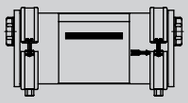
Accessories		
Plumbing wall installation		MG W
Plumbing wall mounting frame (installed depth 110 mm) For gas system boilers Suitable for installing the appliance in front of lightweight walls or for installation anywhere in the room. *The pre-plumbing jig (part no. ZK04307) must be added to the order.* 	ZK04309 **312,–**	Part no. **Euro**
Ceiling extension for plumbing wall mounting frame For installation anywhere in the room. 	ZK02546 **105,–**	Part no. **Euro**

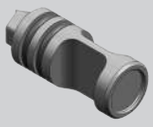
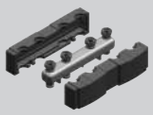
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover for 400 mm wide appliances Individual and with DHW cylinder adjacent to the boiler. 	ZK05674 **63,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connection hose for connection to the boiler trap	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro** MG E
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro** MG WN
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro** MG WN
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Wall mounting bracket Required if the distributor is not fitted to a manifold.	7441165 **55,–**			Part no. **Euro** MG W

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**

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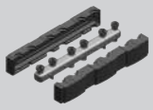
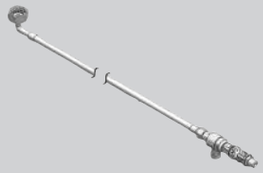
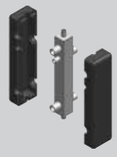
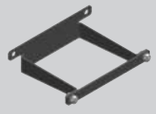
Accessories

Divicon accessories Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well		7460649 **343,–**		**–**	Part no. **Euro**
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well		**–**		7460648 **428,–**	Part no. **Euro**

Note!
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

Accessories		
Gas shut-off valves		MG W
Straight-through gas valve R ½ (for surface mounting) With integral, thermally activated safety shut-off valve.	ZK01989 **60,–**	Part no. **Euro**
Angle gas valve R ½ (for flush mounting) With integral, thermally activated safety shut-off valve.	ZK01990 **42,–**	Part no. **Euro**
Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long)	ZK04647 **131,–**	Part no. **Euro**
Accessories		MG W
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1 Suitable for the following DHW cylinders: ■ Vitocell 100 up to 500 litre capacity ■ Vitocell 300 up to 200 litre capacity	7172847 **617,–**	Part no. **Euro**
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1¼ Suitable for the following DHW cylinders: ■ Vitocell 300 with 300 to 500 litre capacity	7172848 **669,–**	Part no. **Euro**
Refilling device for pre-plumbing jig For gas system boilers ■ With pipe separator 	ZK02163 **67,–**	Part no. **Euro**
Low loss header		MG W
Low loss header, type Q70 ■ Heating water flow rate up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

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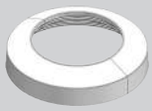
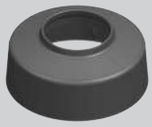
Accessories		
Balanced flue system		MG WZ
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro** MG W
Miscellaneous		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**
Plate heat exchanger flushing system Adaptor plate for fitting on the plate heat exchanger after removal. For easy connection of flushing equipment to the plate heat exchanger.	7373005 **111,–**	Part no. **Euro**

Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
OpenTherm modulating room temperature controller ■ With seven-day program ■ With connecting cable ■ Operation without batteries (power supply via the boiler)	Z014134 **194,–**	Part no. **Euro**
Vitotrol 100-E (incl. on/off room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (meets **ErP Level 4**) ■ Child lock ■ The display shows the room temperature, time and operating conditions. ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit*	7949932 **201,–**	Part no. **Euro**

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Accessories

Control unit for room temperature-dependent mode

		MG W
Vitotrol 100-E (incl. modulating room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (modulating; meets **ErP Level 5**) ■ Child lock ■ The display shows the room temperature, time and operating conditions ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit* *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.*	7968153 **212,–**	Part no. **Euro**

Remote control units

		MG W
Vitotrol 200-E Hardwired remote control unit (PlusBus subscriber). With backlit graphic display with plain text. For setting the following functions for one, two, three or up to 4 heating circuits: ■ **Hardwired** communication with the heat generator ■ Time programs for heating circuits and DHW cylinders ■ Comfort functions, e.g. holiday program/holiday at home program ■ Specification of the set DHW temperature and up to 3 set values for the room temperature ■ With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ The display shows the outside temperature, room temperature and operating conditions. If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room). Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature. *Max. 1 Vitotrol 200-E per heat generator*	Z017415 **288,–**	Part no. **Euro**

Sensors

		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the sub-mounting kit with mixer.*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered separately ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the sub-mounting kit with mixer.*	Z025981 **373,–**	Part no. **Euro**
EM-MX mixer extension kit (for Divicon) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB **including mixer motor** for Divicon ■ Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) with plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017414 **538,–**	Part no. **Euro**

Accessories

Function extensions

MG W

EM-P1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
- Connection for heating circuit pump for the heating circuit without mixer
- Connection for DHW circulation pump
- Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Required for e.g. a single heating circuit without mixer with low loss header (separate heating circuit pump).

Z017411
210,–

Part no.
Euro

EM-S1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Electronic temperature differential control for dual mode DHW heating with solar collectors.
- With output statement and diagnostic system
- Solar circuit pump speed control with PWM input
- Suppression of DHW cylinder reheating by the heat generator, subject to solar yield
- With interval function
- With collector temperature sensor (NTC 20 kOhm) with connecting lead (2.50 m long) and cylinder temperature sensor (NTC 20 kOhm) with connecting lead (3.60 m long) and plug

Z019336
560,–

Part no.
Euro

EM-EA1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 1** EM-EA1 extension can be connected to a heat generator.
- External functions:
  - External set flow temperature 0-10 V
  - Operating mode changeover
  - External demand
  - External blocking
- Fault message input and fault message output
  - Fault message input 230 V (without system blocking)
  - Fault message input 230 V and system blocking
  - Fault message input 24 V and system blocking
  - Connect message facility only
- LPG valve (external)
- Extractor hood (external extractor interlock)

Required for connection of fault messages, e.g. from the condensate removal pump.

Z017412
311,–

Part no.
Euro

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10 year guarantee
on stainless steel heat exchangers for
oil/gas condensing boilers up to 150 kW

Vitodens 111-W

For single connection:
Type B1LF
For multiple connection:
Type B1LF-M

Wall mounted gas condensing boiler as a storage combi boiler, with modulating MatriX-Plus burner, for open flue or room sealed operation.

With integral **stainless steel loading cylinder** with 46 litre capacity.

For natural gas and LPG

Permissible operating pressure: heating water 3 bar (0.3 MPa), DHW 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE-0085DL0217

- Seasonal central heating energy efficiency eta$_s$ up to 94 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:10
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro combustion controller for permanently high efficiency and clean combustion
- Power saving, high efficiency circulation pump
- Straightforward operation via control unit with LED display and touch buttons.
- Web-enabled through integral WiFi interface for operation and service via Viessmann app
- Local access for service and commissioning via Viessmann apps (without active internet connection)

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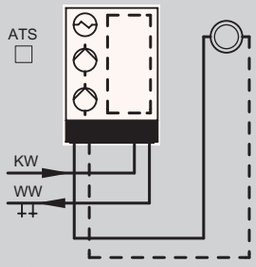
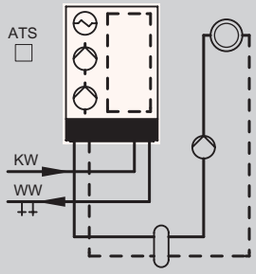
VITODENS 111-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**,
for open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode (DE according to the GEG (German Buildings Energy Act)); see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

4.3

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permitted.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (46 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (10 litres)
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Please note:
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For the flue system, see Register 4.10 onwards.*

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VITODENS 111-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**, for open flue or room sealed operation
Heating circuit **without** mixer

	System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3		MG W3
	For single connection Natural gas E (H) Natural gas LL LPG P Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	Z022871 **2.698,–** A A	Z022872 **2.757,–** A A	Z022873 **2.820,–** A A	–	–	–		Part no. **Euro**
	For multiple connection Natural gas E (H) Natural gas LL Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	–	–	–	Z022874 **2.765,–** A A	Z022875 **2.823,–** A A	Z022876 **2.885,–** A A		Part no. **Euro**
	For single connection Natural gas E (H) Natural gas LL LPG P Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	Z022871 **2.698,–** A A	Z022872 **2.757,–** A A	Z022873 **2.820,–** A A	–	–	–		Part no. **Euro**
	For multiple connection Natural gas E (H) Natural gas LL Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	–	–	–	Z022874 **2.765,–** A A	Z022875 **2.823,–** A A	Z022876 **2.885,–** A A		Part no. **Euro**
	Specification								
	Length	500	500	500	500	500	500		mm
	Width	600	600	600	600	600	600		mm
	Height	950	950	950	950	950	950		mm
	Weight	68	68	68	68	68	68		kg
	Cylinder capacity	46	46	46	46	46	46		l
	Draw-off rate	18.5	20.1	21.2	18.5	20.1	21.2		l/min
	Flue gas connection	60	60	60	60	60	60		Ø mm
	Ventilation air connection	100	100	100	100	100	100		Ø mm
	DHW output	26.8	31.1	34.2	26.8	31.1	34.2		kW

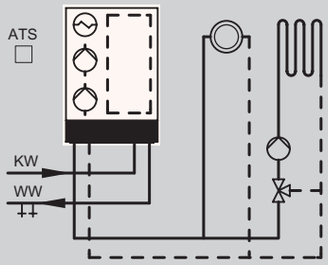
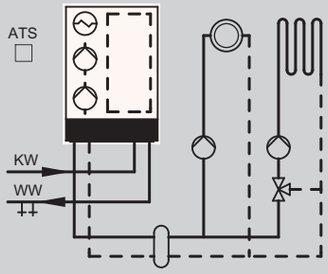
The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 111-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**,
for open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1 heating circuit with mixer ■ With low loss header	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface When using a low loss header, an extension kit is required for the heating circuit with mixer and the EM-P1 extension for the heating circuit without mixer. **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK06306 **Euro 67,– MG W**

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permitted.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (46 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (10 litres)
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Please note:
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For the flue system, see Register 4.10 onwards.*

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Gas condensing storage combi boiler with a **stainless steel loading cylinder**, for open flue or room sealed operation
Heating circuit **with** mixer

System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3		MG W3
For single connection Natural gas E (H) Natural gas LL LPG P Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	Z022871 **2.698,–** A A	Z022872 **2.757,–** A A	Z022873 **2.820,–** A A	–	–	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	–	–	–	Z022874 **2.765,–** A A	Z022875 **2.823,–** A A	Z022876 **2.885,–** A A		Part no. **Euro**
For single connection Natural gas E (H) Natural gas LL LPG P Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	Z022871 **2.698,–** A A	Z022872 **2.757,–** A A	Z022873 **2.820,–** A A	–	–	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL Fittings for surface mounting and a drinking water expansion vessel are included in the standard delivery	–	–	–	Z022874 **2.765,–** A A	Z022875 **2.823,–** A A	Z022876 **2.885,–** A A		Part no. **Euro**
Specification								
Length	500	500	500	500	500	500		mm
Width	600	600	600	600	600	600		mm
Height	950	950	950	950	950	950		mm
Weight	68	68	68	68	68	68		kg
Cylinder capacity	46	46	46	46	46	46		l
Draw-off rate	18.5	20.1	21.2	18.5	20.1	21.2		l/min
Flue gas connection	60	60	60	60	60	60		Ø mm
Ventilation air connection	100	100	100	100	100	100		Ø mm
DHW output	26.8	31.1	34.2	26.8	31.1	34.2		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

Mobile applications and smart thermostats

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see www.vicare.info

Tools for service, maintenance and commissioning

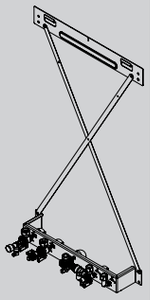
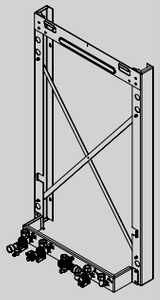
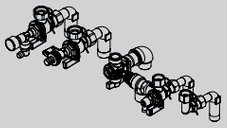
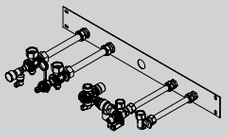
ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Pro and ViGuide Premium are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see www.viguide.info

Smart thermostats

		MG Y
ViCare thermostat (2-point controller) The function of a wireless, battery-operated class IV room thermostat is provided in conjunction with the ViCare climate sensor. Operation via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with 2-point room temperature control ►For more information on system requirements and usage, see Register 1 **Please note:** Usage not possible in conjunction with an outside temperature sensor.	ZK05990 **106,–**	Part no. **Euro**
ViCare thermostat (modulating) The function of a wireless, battery-operated class V room thermostat is provided in conjunction with the ViCare climate sensor. Operation via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with modulating room temperature control ►For more information on system requirements and usage, see Register 1 **Please note:** Usage not possible in conjunction with an outside temperature sensor.	ZK05991 **118,–**	Part no. **Euro**

Accessories		
Installation accessories		MG W
Pre-plumbing jig for surface mounting ■ Fixings ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04929 **266,–**	Part no. **Euro**
Mounting frame for surface mounting ■ Fixings ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04931 **475,–**	Part no. **Euro**
Valves/fittings for surface mounting ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve *Standard delivery* 	ZK04933 **181,–**	Part no. **Euro**
Valves/fittings for flush mounting ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04934 **315,–**	Part no. **Euro**

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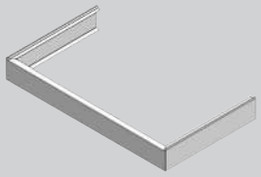
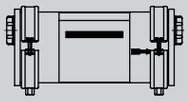
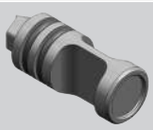
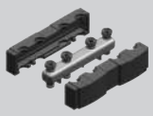
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover For 600 mm wide appliances. 	ZK04938 **201,–**	Part no. **Euro**
Hydraulic accessories		MG W
DHW expansion vessel For installation in Vitodens. ■ Volume 2 litres ■ Max. pressure 10 bar *Standard delivery*	ZK04937 **111,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connection hose for connection to the boiler trap	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate (2.6 kg) ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro**
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro** MG **WN**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro** MG **WN**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro** MG **WN**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/6	**–**		Z024688 **866,–**	Part no. **Euro** MG **WN**
Wall mounting bracket Required if the distributor is not fitted to a manifold.	7441165 **55,–**			Part no. **Euro** MG **W**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG **W**
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**

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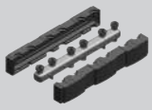
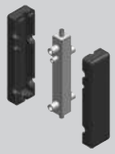
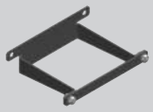
Accessories

Divicon accessories

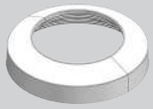
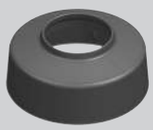
Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**		Part no. **Euro**
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	7460649 **343,–**		**–**	Part no. **Euro**
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	**–**		7460648 **428,–**	Part no. **Euro**

Low loss header

		MG W
Low loss header, type Q70 ■ Heating water flow rate up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

Please note:
- For Divicon heating circuit distributor, see Register 9.2
- When sizing the Divicon heating circuit distributor, observe the technical guides.

Balanced flue system

		MG W
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro**

Miscellaneous

		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG N
Plate heat exchanger flushing system Adaptor plate for fitting on the plate heat exchanger after removal. For easy connection of flushing equipment to the plate heat exchanger.	7373005 **111,–**	Part no. **Euro**
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Vitotrol 100-E (incl. on/off room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (meets **ErP Level 4**) ■ Child lock ■ The display shows the room temperature, time and operating conditions. ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit*	7949932 **201,–**	Part no. **Euro**

4.3

Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100-E (incl. modulating room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (modulating; meets **ErP Level 5**) ■ Child lock ■ The display shows the room temperature, time and operating conditions ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit*	7968153 **212,–**	Part no. **Euro**
Remote control units		MG W
Vitotrol 200-E Hardwired remote control unit (PlusBus subscriber). With backlit graphic display with plain text. For setting the following functions for one, two, three or up to 4 heating circuits: ■ **Hardwired** communication with the heat generator ■ Time programs for heating circuits and DHW cylinders ■ Comfort functions, e.g. holiday program/holiday at home program ■ Specification of the set DHW temperature and up to 3 set values for the room temperature ■ With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ The display shows the outside temperature, room temperature and operating conditions. If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room). Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature. *Max. 1 Vitotrol 200-E per heat generator.*	Z017415 **288,–**	Part no. **Euro**

Accessories

Sensors

		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

4.3

Accessories

Function extensions

MG W

EM-MX mixer extension kit (mixer mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers)
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug
- Plug for heating circuit pump
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Not if using the sub-mounting kit with mixer.

Z017409
572,–
Part no.
Euro

EM-M1 mixer extension kit (wall mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB for mixer motor to be ordered separately
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump and mixer motor
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Z025981
373,–
Part no.
Euro

EM-MX mixer extension kit (for Divicon)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB **including mixer motor** for Divicon
- Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) with plug
- Plug for heating circuit pump
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Z017414
538,–
Part no.
Euro

EM-P1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
- Connection for heating circuit pump for the heating circuit without mixer
- Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Required for e.g. a single heating circuit without mixer with low loss header

Z017411
210,–
Part no.
Euro

EM-EA1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 1** EM-EA1 extension can be connected to a heat generator.
- External functions:
  - External set flow temperature 0-10 V
  - Operating mode changeover
  - External demand
  - External blocking
- Fault message input and fault message output
  - Fault message input 230 V (without system blocking)
  - Fault message input 230 V and system blocking
  - Fault message input 24 V and system blocking
  - Connect message facility only
- LPG valve (external)
- Extractor hood (external extractor interlock)

Required for connection of fault messages, e.g. from the condensate removal pump.

Z017412
311,–
Part no.
Euro

►For information on ViGuide for commissioning, diagnostics and service, see www.vitoguide.info.

4.3

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10 year guarantee
on stainless steel heat exchangers for oil/gas condensing boilers up to 150 kW

Gas condensing storage combi boiler
with integral DHW cylinder
3.2 to 32.0 kW

Vitodens 111-F

Floorstanding gas condensing boiler as a storage combi boiler, with modulating MatriX-Plus burner, for open flue or room sealed operation.

For single connection:
Type B1TF
With integral **loading cylinder** with 100 litre capacity.

For single connection:
Type B1SF
For multiple connection:
Type B1SF-M
With integral **DHW cylinder with internal indirect coil**, with 130 litre capacity. For areas with hard drinking water (> 20 °dH / > 3.6 mol/m³)

Permissible operating pressure: heating water 3 bar (0.3 MPa), DHW 10 bar (1 MPa)
Colour: Vitopearlwhite

Product ID: CE-0085DL0217

- Seasonal central heating energy efficiency eta_s up to 94 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:10
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro combustion controller for permanently high efficiency and clean combustion
- Power saving, high efficiency circulation pump
- Straightforward operation via control unit with LED display and touch buttons
- Web-enabled through integral WiFi interface for operation and service via Viessmann app
- Local access for service and commissioning via Viessmann apps (without active internet connection)

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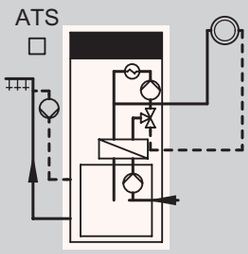
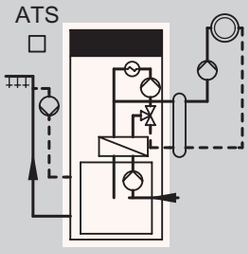
VITODENS 111-F

Gas condensing storage combi boiler with a **loading cylinder**,
for open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. Connecting a DHW circulation pump requires an extension: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump). The DHW circulation pump can also be connected to this extension: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (100 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (12 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Please note:
A connection set **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see Register 4.10.*

5472548

Gas condensing storage combi boiler with a **loading cylinder**,
for open flue or room sealed operation
Heating circuit **without** mixer

	System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 25.0 2.9 - 23.0	 3.2 - 32.0 2.9 - 29.3		MG W3
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021840 **2.889,–** A A	Z021841 **2.951,–** A A		Part no. **Euro**
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021840 **2.889,–** A A	Z021841 **2.951,–** A A		Part no. **Euro**
	Specification				
	Length	595	595		mm
	Width	600	600		mm
	Height	1400	1400		mm
	Weight	112	112		kg
	Cylinder capacity	100	100		l
	Draw-off rate	23.8	25.9		l/min
	Flue gas connection	60	60		Ø mm
	Ventilation air connection	100	100		Ø mm
	DHW output	28.9	34.2		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
Different rated heating output when operating with LPG; see technical guides.

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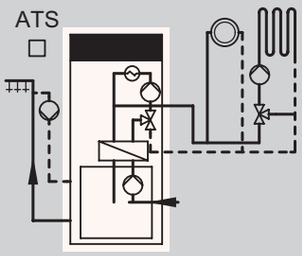
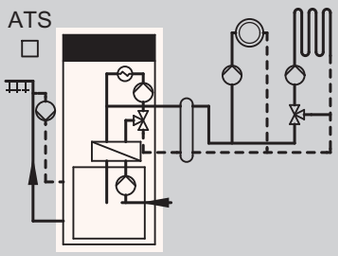
VITODENS 111-F

Gas condensing storage combi boiler with a **loading cylinder**,
for open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension kit is required for the heating circuit with mixer; the EM-P1 extension is required for connecting a DHW circulation pump: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1 heating circuit with mixer ■ With low loss header	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface When using a low loss header, an extension kit is required for the heating circuit with mixer and the EM-P1 extension for the heating circuit without mixer. A DHW circulation pump can also be connected to the EM-P1 extension: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (100 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (12 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Please note:
A connection set **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see Register 4.10.*

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Gas condensing storage combi boiler with a **loading cylinder**,
for open flue or room sealed operation
Heating circuit **with** mixer

	System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3		MG W3
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021840 **2.889,–** A A	Z021841 **2.951,–** A A		Part no. **Euro**
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021840 **2.889,–** A A	Z021841 **2.951,–** A A		Part no. **Euro**

Specification				
Length	595	595		mm
Width	600	600		mm
Height	1400	1400		mm
Weight	112	112		kg
Cylinder capacity	100	100		l
Draw-off rate	23.8	25.9		l/min
Flue gas connection	60	60		Ø mm
Ventilation air connection	100	100		Ø mm
DHW output	28.9	34.2		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
Different rated heating output when operating with LPG; see technical guides.

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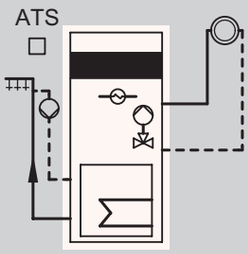
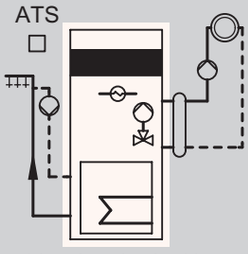
VITODENS 111-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil,
for open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. Connecting a DHW circulation pump requires an extension: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump). The DHW circulation pump can also be connected to this extension: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG** W An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

4.4

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permitted.

Standard delivery/equipment level

- Condensing boiler with DHW cylinder with internal indirect coil (130 litres) and thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (12 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Please note:
A connection set **must** be added to the order to install the appliances; see Accessories. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For the flue system, see Register 4.10 onwards.*

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VITODENS 111-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil, for open flue or room sealed operation
Heating circuit **without** mixer

	System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 25.0 5.2 - 23.0		MG W3
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021843 **2.830,–** A A	Z021844 **2.889,–** A A	Z021845 **2.951,–** A A	–		Part no. **Euro**
	For multiple connection Natural gas E (H) Natural gas LL	–	–	–	Z021846 **2.969,–** A A		Part no. **Euro**
	For single connection Natural gas E (H) Natural gas LL LPG P	Z021843 **2.830,–** A A	Z021844 **2.889,–** A A	Z021845 **2.951,–** A A	–		Part no. **Euro**
	For multiple connection Natural gas E (H) Natural gas LL	–	–	–	Z021846 **2.969,–** A A		Part no. **Euro**
	Specification						
	Length	595	595	595	595		mm
	Width	600	600	600	600		mm
	Height	1600	1600	1600	1600		mm
	Weight	132	132	132	132		kg
	Cylinder capacity	130	130	130	130		l
	Draw-off rate	20.3	20.6	21.8	20.6		l/min
	Flue gas connection	60	60	60	60		Ø mm
	Ventilation air connection	100	100	100	100		Ø mm
	DHW output	22.2	28.9	34.2	28.9		kW

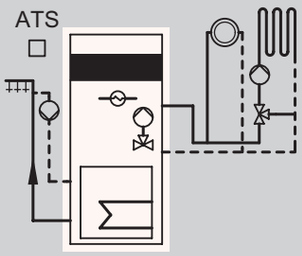
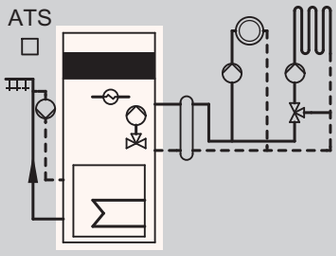
The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

VITODENS 111-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil,
for open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface An extension kit is required for the heating circuit with mixer; the EM-P1 extension is required for connecting a DHW circulation pump: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 272,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1 heating circuit with mixer ■ With low loss header	**For constant temperature or weather-compensated mode** ■ With 7-segment LED display and operation via touch buttons ■ Internet and local service connection via integral WiFi interface When using a low loss header, an extension kit is required for the heating circuit with mixer and the EM-P1 extension for the heating circuit without mixer. A DHW circulation pump can also be connected to the EM-P1 extension: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Please note:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

If multiple appliances are to be connected to a common flue system, the "multiple connection" version must be ordered. Using appliances for single connection and mixed operation of appliances for single connection and multiple connection on a common flue system is not permitted.

Standard delivery/equipment level

- Condensing boiler with DHW cylinder with internal indirect coil (130 litres) and thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro
- Control unit with integral WiFi interface
- Expansion vessel (12 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection
- Internal back draught safety device (only with appliances for multiple connection)

Please note:
A connection set **must** be added to the order to install the appliances; see Accessories. With appliances for multiple connection, a back draught safety device (ZK05976) for the boiler flue connection must be added to the order.
► *For the flue system, see Register 4.10.*

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Gas condensing storage combi boiler with DHW cylinder with internal indirect coil, for open flue or room sealed operation
Heating circuit **with** mixer

System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG W3
	3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 25.0 5.2 - 23.0		
For single connection Natural gas E (H) Natural gas LL LPG P	Z021843 **2.830,–** A A	Z021844 **2.889,–** A A	Z021845 **2.951,–** A A	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL	–	–	–	Z021846 **2.969,–** A A		Part no. **Euro**
For single connection Natural gas E (H) Natural gas LL LPG P	Z021843 **2.830,–** A A	Z021844 **2.889,–** A A	Z021845 **2.951,–** A A	–		Part no. **Euro**
For multiple connection Natural gas E (H) Natural gas LL	–	–	–	Z021846 **2.969,–** A A		Part no. **Euro**
Specification						
Length	595	595	595	595		mm
Width	600	600	600	600		mm
Height	1600	1600	1600	1600		mm
Weight	132	132	132	132		kg
Cylinder capacity	130	130	130	130		l
Draw-off rate	20.3	20.6	21.8	20.6		l/min
Flue gas connection	60	60	60	60		Ø mm
Ventilation air connection	100	100	100	100		Ø mm
DHW output	22.2	28.9	34.2	28.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

Note on draw-off rate:
Details at ΔT 30 K.

Notes on LPG:
- Different rated heating output when operating with LPG; see technical guides.
- Appliances for multiple connection cannot be operated with LPG.

Mobile applications and smart thermostats

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see www.vicare.info

Tools for service, maintenance and commissioning

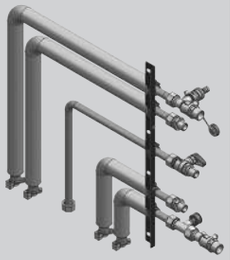
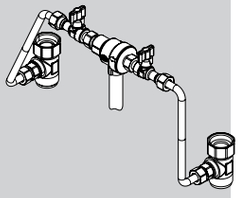
ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Pro and ViGuide Premium are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see www.viguide.info

Smart thermostats

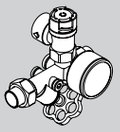
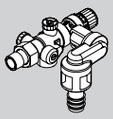
		MG Y
ViCare thermostat (2-point controller) The function of a wireless, battery-operated class IV room thermostat is provided in conjunction with the ViCare climate sensor. Operation via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with 2-point room temperature control ►For more information on system requirements and usage, see Register 1 **Please note:** Usage not possible in conjunction with an outside temperature sensor.	ZK05990 **106,–**	Part no. **Euro**
ViCare thermostat (modulating) The function of a wireless, battery-operated class V room thermostat is provided in conjunction with the ViCare climate sensor. Operation via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with modulating room temperature control ►For more information on system requirements and usage, see Register 1 **Please note:** Usage not possible in conjunction with an outside temperature sensor.	ZK05991 **118,–**	Part no. **Euro**

Accessories		
Hydraulic accessories		MG W
Connection set for surface mounting; upward connection ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve ■ 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½)	ZK04311 **295,–**	Part no. **Euro**
Connection set for surface mounting; connection to the left or right ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve ■ 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½) 	ZK04312 **295,–**	Part no. **Euro**
Connection set for flush mounting ■ Installation template ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve and air vent valve ■ 2 connection pieces for DHW (R ½) ■ Angle gas valve with thermally activated safety shut-off valve (R ¾)	ZK04313 **386,–**	Part no. **Euro**
Connection set for DHW circulation pump For hydraulic connection of a DHW circulation pump. ■ Pipe assembly with thermal insulation	ZK05978 **125,–**	Part no. **Euro**
Filling device with pipe separator Can be combined with all connection sets and assembly kit with mixer ■ For surface mounting 	7356492 **98,–**	Part no. **Euro**
Heating circuit		MG W
Contact temperature limiter As a maximum temperature limiter for underfloor heating systems in combination with the assembly kit or sub-mounting kit with mixer. With connecting lead (1.5 m long).	7425493 **131,–**	Part no. **Euro**

4.4

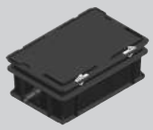
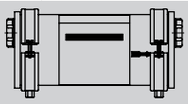
Accessories

Accessories

		MG W
Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge 	7219722 **251,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 15) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector *For flush mounting.* 	7351842 **111,–**	Part no. **Euro**

4.4

Neutralising systems

		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connection hose for connection to the boiler trap 	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro**

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Accessories

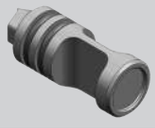
Condensate removal pumps

		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro** MG WN
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro** MG WN
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro** MG WN
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/8	**–**		Z024688 **866,–**	Part no. **Euro** MG WN
Wall mounting bracket Required if the distributor is not fitted to a manifold.	7441165 **55,–**			Part no. **Euro** MG W

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.		ZK04322 **16,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**

4.4

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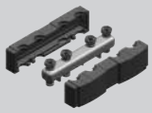
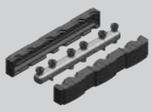
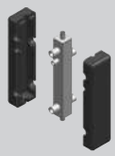
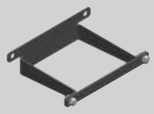
Accessories

Divicon accessories

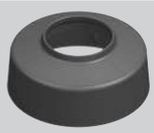
Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well		7460649 **343,–**		–	Part no. **Euro**
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well		–		7460648 **428,–**	Part no. **Euro**

Please note:
■ When sizing the Divicon heating circuit distributor, observe the technical guides.
■ For Divicon heating circuit distributor as an assembly, see Register 9.2

Low loss header

			MG W
Low loss header, type Q70 ■ Heating water flow rate up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV		ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials		ZK03682 **54,–**	Part no. **Euro**

Balanced flue system

			MG N
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation.		7590109 **10,20**	Part no. **Euro**

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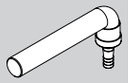
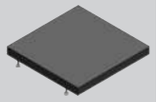
Accessories		
Miscellaneous		MG WZ
Connection bend (DN 40) For direct connection of the appliance-side condensate pipe to the drain pipe (DN 40) 	7461025 **8,70**	Part no. **Euro**
Boiler plinth For siting the appliance on unfinished floors. Height-adjustable, for screed heights of 10 to 18 cm. 	7352259 **153,–**	Part no. **Euro** MG W
Transport aid for storage combi boilers	7425341 **51,–**	Part no. **Euro** MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro** MG N
Plate heat exchanger flushing system Adaptor plate for fitting on the plate heat exchanger after removal. For easy connection of flushing equipment to the plate heat exchanger.	7373005 **111,–**	Part no. **Euro** MG N

Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Vitotrol 100-E (incl. on/off room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via low power radio ■ Specification of up to 3 set values for the room temperature and one set value for the DHW temperature ■ Time programs for heating and DHW (with individual day and seven-day program) ■ **Energy efficient heat demand** (meets **ErP Level 4**) ■ Child lock ■ The display shows the room temperature, time and operating conditions. ■ Very straightforward installation: no cables required Battery operation 2 x 1.5 V (type AA) *Max. 1 Vitotrol 100-E per heating circuit*	7949932 **201,–**	Part no. **Euro**

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Accessories

Control unit for room temperature-dependent mode

MG W

Vitotrol 100-E (incl. modulating room temperature control)
Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions:
- **Wireless communication** with the heat generator via low power radio
- Specification of up to 3 set values for the room temperature and one set value for the DHW temperature
- Time programs for heating and DHW (with individual day and seven-day program)
- **Energy efficient heat demand** (modulating; meets **ErP Level 5**)
- Child lock
- The display shows the room temperature, time and operating conditions
- Very straightforward installation: no cables required

Battery operation 2 x 1.5 V (type AA)
Max. 1 Vitotrol 100-E per heating circuit

7968153
212,–

Part no.
Euro

Remote control units

MG W

Vitotrol 200-E
Hardwired remote control unit (PlusBus subscriber).
With backlit graphic display with plain text.
For setting the following functions for one, two, three or up to 4 heating circuits:
- **Hardwired** communication with the heat generator
- Time programs for heating circuits and DHW cylinders
- Comfort functions, e.g. holiday program/holiday at home program
- Specification of the set DHW temperature and up to 3 set values for the room temperature
- With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer)
- The display shows the outside temperature, room temperature and operating conditions.

If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room).
Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.

Max. 1 Vitotrol 200-E per heat generator.

Z017415
288,–

Part no.
Euro

Accessories		
Sensors		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the assembly kit with mixer.*	Z017409 **572,–**	Part no. **Euro**

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Accessories		
Function extensions		MG W
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered separately ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the assembly kit with mixer.*	Z025981 **373,–**	Part no. **Euro**
EM-MX mixer extension kit (for Divicon) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB **including mixer motor** for Divicon ■ Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) with plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017414 **538,–**	Part no. **Euro**
EM-P1 extension (PlusBus subscriber) Function extension inside enclosure for wall mounting. ■ Connection for heating circuit pump for the heating circuit without mixer ■ Connection for DHW circulation pump ■ Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Required for e.g. a single heating circuit without mixer with low loss header (separate heating circuit pump).*	Z017411 **210,–**	Part no. **Euro**
EM-EA1 extension (PlusBus subscriber) Function extension inside enclosure for wall mounting. Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 1** EM-EA1 extension can be connected to a heat generator. ■ External functions: - External set flow temperature 0-10 V - Operating mode changeover - External demand - External blocking ■ Fault message input and fault message output - Fault message input 230 V (without system blocking) - Fault message input 230 V and system blocking - Fault message input 24 V and system blocking - Connect message facility only ■ LPG valve (external) ■ Extractor hood (external extractor interlock) *Required for connection of fault messages, e.g. from the condensate removal pump.*	Z017412 **311,–**	Part no. **Euro**

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

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10 year guarantee
on stainless steel heat exchangers for
oil/gas condensing boilers up to 150 kW

Vitodens 200-W

Type B2HF/B2KF

Wall mounted gas condensing boiler,
with modulating MatriX-Plus burner, for open flue or room sealed operation.

For natural gas and LPG

Permissible boiler operating pressure 3 bar (0.3 MPa)

Permissible operating pressure of associated DHW cylinders 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE0085CT0017

- Seasonal central heating energy efficiency eta$_s$ up to 94 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:17
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro Plus combustion controller for permanently high efficiency and clean combustion.
- Power saving, high efficiency circulation pump
- 7-inch colour touchscreen with plain text and graphic display, commissioning assistant, energy consumption indicators and the option of operation from a mobile device
- Web-enabled through integral WiFi interface for operation and service via Viessmann apps
- Individual room control via ViCare app for up to 20 rooms in combination with ViCare Smart Climate accessory

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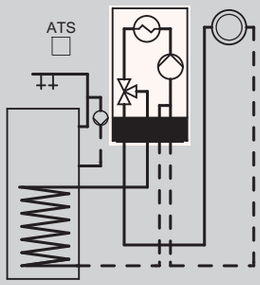
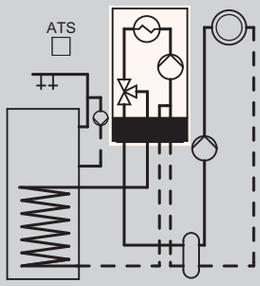
VITODENS 200-W

Gas condensing system boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
ATS  ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
ATS  ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve (for connecting a DHW cylinder)
- Expansion vessel (10 litres)
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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Gas condensing system boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C				MG WJ
		1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3	
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019320 **3.146,–** A	Z019321 **3.486,–** A	Z019322 **3.649,–** A	Z019323 **4.025,–** A	Part no. **Euro** Energy
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019320 **3.146,–** A	Z019321 **3.486,–** A	Z019322 **3.649,–** A	Z019323 **4.025,–** A	Part no. **Euro** Energy

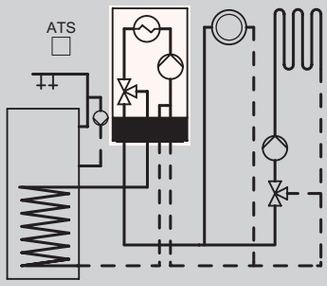
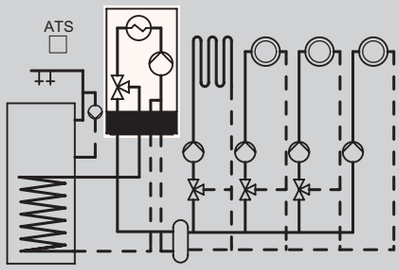
Specification						
Length		360	360	360	360	mm
Width		450	450	450	450	mm
Height		700	700	700	700	mm
Weight		33	33	33	33	kg
Flue gas connection		60	60	60	60	Ø mm
Ventilation air connection		100	100	100	100	Ø mm
DHW output		17.5	17.5	23.0	29.3	kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 200-W

Gas condensing system boiler
For open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit ViCare VitoGuide
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For sub-mounting kit with mixer, see Accessories.** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1, 2 or 3 heating circuits with mixer ■ With low loss header	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for an external heating circuit pump and DHW circulation pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve (for connecting a DHW cylinder)
- Expansion vessel (10 litres)
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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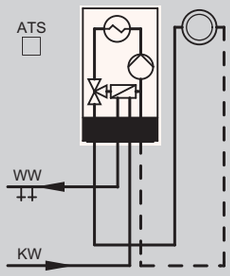
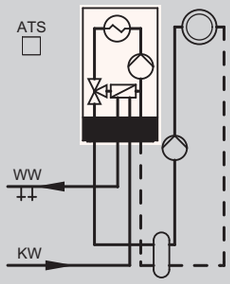
	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG WJ
			1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019320 **3.146,–** A	Z019321 **3.486,–** A	Z019322 **3.649,–** A	Z019323 **4.025,–** A		Part no. **Euro** Energy
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019320 **3.146,–** A	Z019321 **3.486,–** A	Z019322 **3.649,–** A	Z019323 **4.025,–** A		Part no. **Euro** Energy
	Specification							
	Length		360	360	360	360		mm
	Width		450	450	450	450		mm
	Height		700	700	700	700		mm
	Weight		33	33	33	33		kg
	Flue gas connection		60	60	60	60		Ø mm
	Ventilation air connection		100	100	100	100		Ø mm
	DHW output		17.5	17.5	23.0	29.3		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 200-W

Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit ViCare VitoGuide
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve
- Expansion vessel (10 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **without** mixer

Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C				MG WJ
		1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019342 **3.887,–** A A	Z019343 **4.079,–** A A	Z019344 **4.471,–** A A		Part no. **Euro**
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019342 **3.887,–** A A	Z019343 **4.079,–** A A	Z019344 **4.471,–** A A		Part no. **Euro**

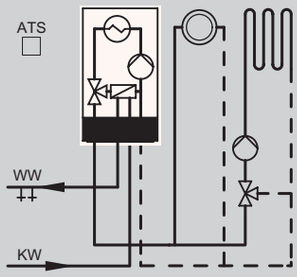
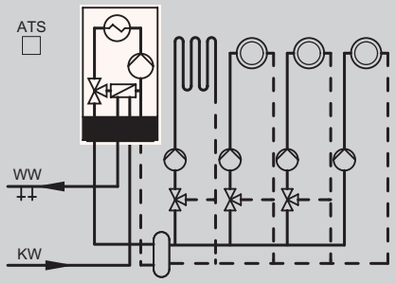
Specification						
Length		360	360	360		mm
Width		450	450	450		mm
Height		700	700	700		mm
Weight		34	34	34		kg
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		26.5	30.7	33.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 200-W

Gas condensing combi boiler
For open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For sub-mounting kit with mixer, see Accessories.** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1, 2 or 3 heating circuits with mixer ■ With low loss header	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Integral safety valves
- Variable speed high efficiency circulation pump and 3-way valve
- Expansion vessel (10 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C				MG WJ
			1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019342 **3.887,–** A A	Z019343 **4.079,–** A A	Z019344 **4.471,–** A A		Part no. **Euro**
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019342 **3.887,–** A A	Z019343 **4.079,–** A A	Z019344 **4.471,–** A A		Part no. **Euro**

Specification						
Length		360	360	360		mm
Width		450	450	450		mm
Height		700	700	700		mm
Weight		34	34	34		kg
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		26.5	30.7	33.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

Mobile applications and individual room control

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

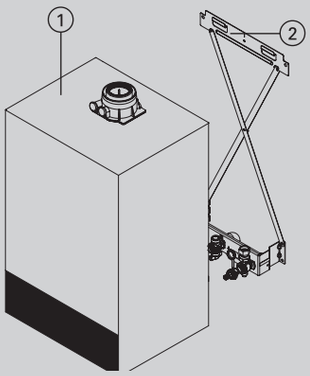
Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

System diagram



		MG W
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
Optional		
Cylinder temperature sensor To capture the DHW temperature (3.75 m long). *Required with on-site DHW cylinder.*	ZK04671 **110,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro**
Adaptor for on-site DHW cylinders ■ 2 adaptors G ¾	ZK05730 **46,–**	Part no. **Euro**
Caps for cylinder connection For gas system boilers For sealing off the cylinder flow and return if operating without a DHW cylinder.	ZK02164 **6,–**	Part no. **Euro**

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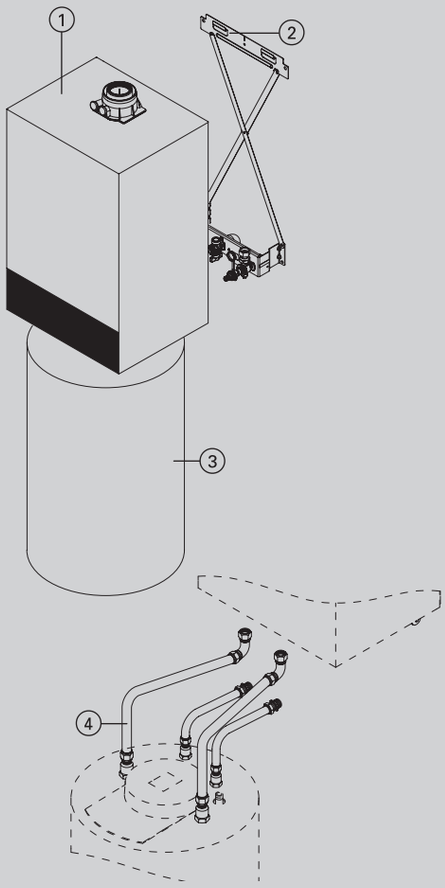
VITODENS 200-W

Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram



①	**Vitodens**		
②	**Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③	**Vitocell 100-W, type CUGB-A** DHW cylinder below the boiler, with internal indirect coil ■ 120 litre capacity ■ Steel, with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitopearlwhite	Z018460 **1.243,–** A	Part no. **Euro** Energy **MG WH**
	Vitocell 100-W, type CUGB-A DHW cylinder below the boiler, with internal indirect coil ■ 150 litre capacity ■ Steel, with Ceraprotect enamel coating ■ **Highly efficient thermal insulation** ■ Colour: Vitopearlwhite	Z018462 **1.338,–** A	Part no. **Euro** Energy **MG WH**
	Vitocell 100-W, type CUGB DHW cylinder below the boiler, with internal indirect coil ■ 120 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018459 **1.079,–** B	Part no. **Euro** Energy **MG WH**
	Vitocell 100-W, type CUGB DHW cylinder below the boiler, with internal indirect coil ■ 150 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018461 **1.159,–** B	Part no. **Euro** Energy **MG WH**
④	**Connection set for DHW cylinder below the boiler** For surface or flush mounting (must be added to the order) ■ Connection lines ■ Cylinder temperature sensor	ZK04709 **206,–**	Part no. **Euro** **MG W**
	Optional		
	Immersion heater EHE Heating output: **2.2 kW** For installation in the Vitocell through the cylinder flange at the top. ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover ■ Gasket ■ Power cable with connection plug	7958574 **618,–**	Part no. **Euro** **MG W**
	Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** **MG W**

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Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram			
	Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**	Part no. **Euro** **MG W**
	Safety assembly to DIN 1988 (DN 15) For surface mounting ■ Diaphragm safety valve 10 bar (1 MPa)	7180097 **176,–**	Part no. **Euro** **MG W**
	Pressure reducer (DN 15)	7180148 **81,–**	Part no. **Euro** **MG W**
	Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro** **MG W**
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro** **MG W**

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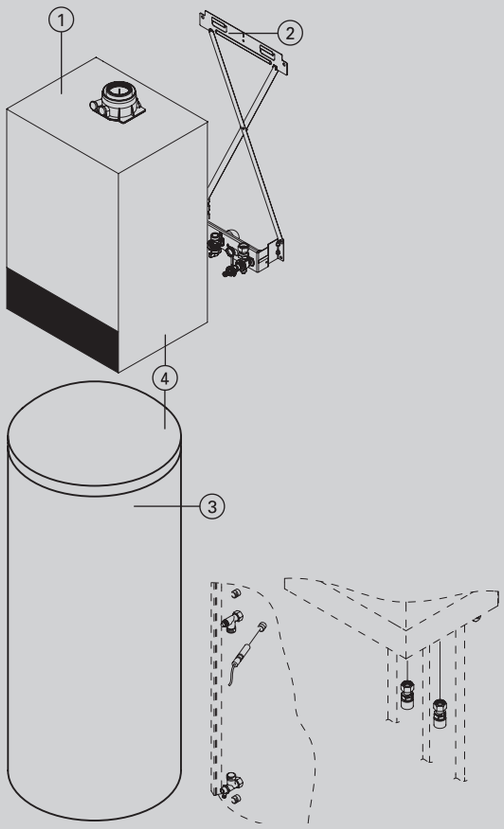
VITODENS 200-W

Accessories
With Vitocell 100-W adjacent to the boiler (160, 200 or 300 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram



① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③ **Vitocell 100-V, type CVAB-A** DHW cylinder adjacent to the boiler ■ 160 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitopearlwhite	Z018466 **1.279,–** A	Part no. **Euro** Energy **MG WH**
Vitocell 100-V, type CVAB-A DHW cylinder adjacent to the boiler ■ 200 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitopearlwhite	Z018641 **1.320,–** A	Part no. **Euro** Energy **MG WH**
Vitocell 100-V, type CVAA DHW cylinder adjacent to the boiler ■ 160 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018464 **1.105,–** B	Part no. **Euro** Energy **MG WH**
Vitocell 100-V, type CVAA DHW cylinder adjacent to the boiler ■ 200 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z018468 **1.142,–** B	Part no. **Euro** Energy **MG WH**
Vitocell 100-V, type CVAB DHW cylinder adjacent to the boiler ■ 300 l capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021912 **1.464,–** B	Part no. **Euro** Energy **MG WH**
④ **Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, threaded fitting version** (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04710 **165,–**	Part no. **Euro** **MG W**
Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, solder version (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04711 **165,–**	Part no. **Euro** **MG 0**
Optional		
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** **MG W**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**	Part no. **Euro** **MG W**

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Accessories
With Vitocell 100-W adjacent to the boiler (160, 200 or 300 litres)
Made from steel, with **Ceraprotect enamel coating**

System diagram			
	Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge ■ Up to 200 litre cylinder capacity	7219722 **251,–**	Part no. **Euro** **MG W**
	Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector ■ From 300 to 1000 litre cylinder capacity. *For surface mounting.*	7180662 **251,–**	Part no. **Euro** **MG W**
	Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro** **MG W**
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro** **MG W**

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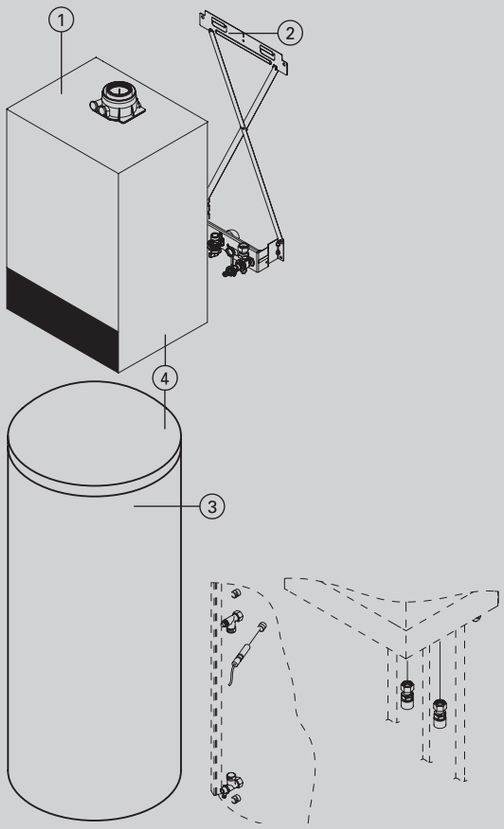
VITODENS 200-W

Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

System diagram



①	**Vitodens**		
②	**Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
③	**Vitocell 100-B, type CVBC** DHW cylinder adjacent to the boiler with 2 internal indirect coils ■ 300 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021914 **1.840,–** B	Part no. **Euro** Energy **MG WH**
	Vitocell 100-B, type CVB DHW cylinder adjacent to the boiler with 2 internal indirect coils ■ 400 litre capacity ■ Steel, with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitopearlwhite	Z021915 **2.627,–** B	Part no. **Euro** Energy **MG WH**
④	**Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, threaded fitting version** (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04710 **165,–**	Part no. **Euro** **MG W**
	Connection set for DHW cylinder adjacent to the boiler with cylinder temperature sensor, solder version (Must be added to the order; DHW cylinder to the left or right of the boiler.)	ZK04711 **165,–**	Part no. **Euro** **MG W**
	Optional		
	Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** **MG W**
	Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**	Part no. **Euro** **MG W**
	Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder.	7595765 **35,–**	Part no. **Euro** **MG W**
	Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector *For surface mounting.*	7180662 **251,–**	Part no. **Euro** **MG W**
	Drain outlet kit ■ Drain outlet with trap ■ Connection hose	7459591 **35,–**	Part no. **Euro** **MG W**

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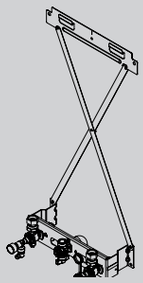
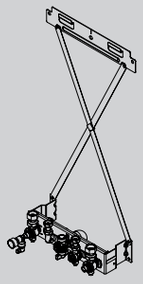
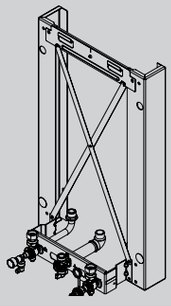
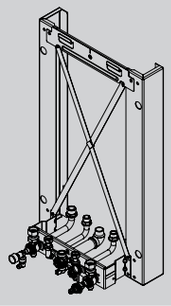
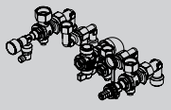
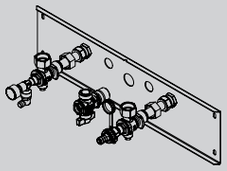
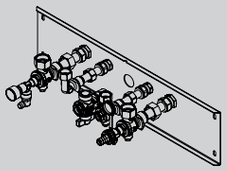
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

System diagram			
	Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro** **MG W**
	Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*	ZK01793 **302,–**	Part no. **Euro** **MG N**

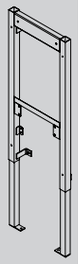
Accessories		
Installation accessories		MG W
Pre-plumbing jig for surface mounting For gas system boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04307 **222,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For gas combi boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04919 **240,–**	Part no. **Euro**
Mounting frame for surface mounting For gas system boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04308 **360,–**	Part no. **Euro**
Mounting frame for surface mounting For gas combi boilers ■ Fixings ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04922 **405,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve	ZK04669 **194,–**	Part no. **Euro**
Valves/fittings for surface mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04925 **167,–**	Part no. **Euro**

Accessories

Installation accessories

		MG W
Valves/fittings for flush mounting For gas system boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04670 **204,–**	Part no. **Euro**
Valves/fittings for flush mounting For gas combi boilers ■ Valves/fittings ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04926 **324,–**	Part no. **Euro**

Plumbing wall installation

		MG W
Plumbing wall mounting frame (installed depth 110 mm) For gas system boilers Suitable for installing the appliance in front of lightweight walls or for installation anywhere in the room. *The pre-plumbing jig (part no. ZK04307) must be added to the order.* 	ZK04309 **312,–**	Part no. **Euro**
Ceiling extension for plumbing wall mounting frame For installation anywhere in the room.	ZK02546 **105,–**	Part no. **Euro**

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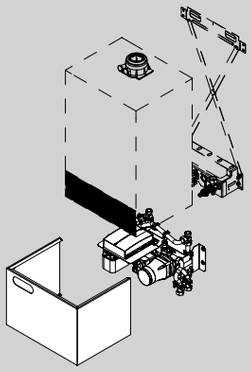
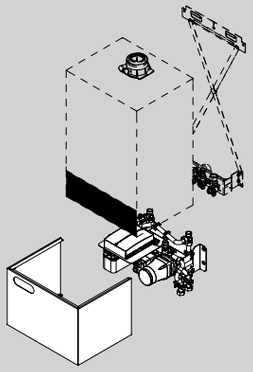
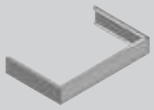
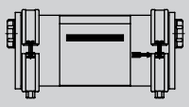
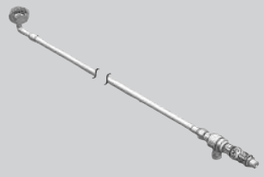
Accessories		
Heating circuit		MG W
Sub-mounting kit with mixer For gas system boilers. Complete assembly for heat distribution via one heating circuit with mixer and one heating circuit without mixer, for installation below the appliance. ■ Plate heat exchanger for system separation of the heating circuit with mixer ■ Variable speed high efficiency circulation pump for the heating circuit with mixer ■ 3-way mixer with mixer motor ■ Mixer PCB, capable of communicating via PlusBus ■ Adjustable bypass ■ Flow temperature sensor ■ Valve for regulating the flow rates of both heating circuits ■ Cover with same design as the wall mounted boiler The sub-mounting kit can only be used in conjunction with a pre-plumbing jig for surface mounting. The pre-plumbing jig must be added to the order. Not in conjunction with the Vitocell 100-W DHW cylinder installed below the boiler. Not in conjunction with the plumbing wall mounting frame. For different applications, use a mixer extension kit. *Maximum transferable heating output of the heating circuit with mixer is 14 kW. For further information, see the Vitodens technical guide.*		ZK04304 **1.599,–**	Part no. **Euro**
Sub-mounting kit with mixer For gas combi boilers. Complete assembly for heat distribution via one heating circuit with mixer and one heating circuit without mixer, for installation below the appliance. ■ Plate heat exchanger for system separation of the heating circuit with mixer ■ Variable speed high efficiency circulation pump for the heating circuit with mixer ■ 3-way mixer with mixer motor ■ Mixer PCB, capable of communicating via PlusBus ■ Adjustable bypass ■ Flow temperature sensor ■ Valve for regulating the flow rates of both heating circuits ■ Cover with same design as the wall mounted boiler The sub-mounting kit can only be used in conjunction with a pre-plumbing jig for surface mounting. The pre-plumbing jig must be added to the order. Not in conjunction with the plumbing wall mounting frame. For different applications, use a mixer extension kit. *Maximum transferable heating output of the heating circuit with mixer is 14 kW. For further information, see the Vitodens technical guide.*		ZK04928 **1.532,–**	Part no. **Euro**
Contact temperature limiter To restrict the maximum temperature of underfloor heating systems. With connecting lead (1.5 m long).		7425493 **131,–**	Part no. **Euro**

Accessories		
Valve/fittings covers		MG W
Valve/fittings cover for 450 mm wide appliances Individual and with DHW cylinder adjacent to the boiler. 	ZK04310 **72,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro** MG E
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

Accessories		
Gas shut-off valves		MG W
Straight-through gas valve R ½ (for surface mounting) With integral, thermally activated safety shut-off valve.	ZK01989 **60,–**	Part no. **Euro**
Angle gas valve R ½ (for flush mounting) With integral, thermally activated safety shut-off valve. *Can be used with up to 26 kW rated heating output.*	ZK01990 **42,–**	Part no. **Euro**

Note!
In accordance with State Building Regulations [Germany], gas valves **without** thermally activated safety shut-off valves must be replaced during modernisation.

Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug.	ZK04032 **106,–**	Part no. **Euro**

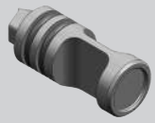
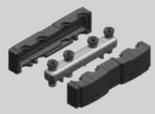
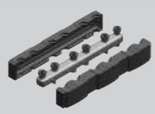
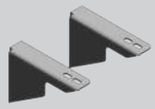
Accessories		MG W
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1 Suitable for the following DHW cylinders: ■ Vitocell 100 up to 500 litre capacity ■ Vitocell 300 up to 200 litre capacity	7172847 **617,–**	Part no. **Euro**
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1¼ Suitable for the following DHW cylinders: ■ Vitocell 300 with 300 to 500 litre capacity	7172848 **669,–**	Part no. **Euro**
Refilling device for pre-plumbing jig For gas system boilers ■ With pipe separator 	ZK02163 **67,–**	Part no. **Euro**

Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site) 	7465439 **60,–**			Part no. **Euro**

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Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	7460649 **343,–**	**–**	Part no. **Euro**	
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	**–**	7460648 **428,–**	Part no. **Euro**	

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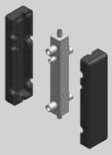
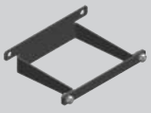
Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- For Divicon heating circuit distributor as an assembly, see Register 9.2

Heating circuit

		MG W
Distributor for solar central heating backup Connection assembly for straightforward installation between the appliance connection and Divicon heating circuit distributor. For wall mounting. Nominal diameter R1, can be used for nominal flow rates of up to 2.5 m³/h. ■ Distributor ■ 3-way diverter valve ■ Thermal insulation ■ Sensor well for return temperature sensor In conjunction with Solar-Divicon with integral SDIO/SM1A electronics module or Vitocell 100-W, type CVUD-A/CVUD. The temperature sensors for the heating water buffer cylinder and the heating water return must be ordered separately; see Control unit accessories.	7441163 **594,–**	Part no. **Euro**
Extension for installation on a wall ■ For direct connection of the distributor with a wall mounted Divicon heating circuit distributor ■ Incl. thermal insulation *Must be added to the order.*	7441445 **142,–**	Part no. **Euro**
Wall mounting bracket Required if the distributor is not fitted to a manifold.	7441165 **55,–**	Part no. **Euro**

Low loss header

		MG W
Low loss header, type Q70 ■ Heating water flow rate up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

►*For larger low loss headers, see the Viessmann Pricelist, Register 18*

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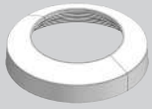
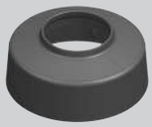
Accessories		
Balanced flue system		MG WZ
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro**
Miscellaneous		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**
Plate heat exchanger flushing system	7373005 **111,–**	Part no. **Euro**

Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Remote control units		MG W
Vitotrol 200-E Hardwired remote control unit (PlusBus subscriber). With backlit graphic display with plain text. For setting the following functions for one, two, three or up to 4 heating circuits: ■ **Hardwired** communication with the heat generator ■ Time programs for heating circuits and DHW cylinders ■ Comfort functions, e.g. holiday program/holiday at home program ■ Specification of the set DHW temperature and up to 3 set values for the room temperature ■ With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ The display shows the outside temperature, room temperature and operating conditions. If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room). Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature. *Max. 2 Vitotrol 200-E per heat generator (mixed mode with a Vitotrol 300-E is* **not** *possible).*	Z017415 **288,–**	Part no. **Euro**
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Depending on the connected system: display of room temperature, room humidity, CO_2 level, energy cockpit and support for heating, cooling and ventilation modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Comfort functions such as holiday program ■ Intuitive colour-coded user navigation (Lightguide) *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**

Accessories		
Remote control units		MG Y
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, the Vitotrol 300-E can also be supplied with power via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro**
Sensors		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug.	ZK04032 **106,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the sub-mounting kit with mixer.*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered separately ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the sub-mounting kit with mixer.*	Z025981 **373,–**	Part no. **Euro**
EM-MX mixer extension kit (for Divicon) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB **including mixer motor** for Divicon ■ Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) with plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017414 **538,–**	Part no. **Euro**
Function extensions		MG W
EM-P1 extension (PlusBus subscriber) Function extension inside enclosure for wall mounting. ■ Connection for heating circuit pump for the heating circuit without mixer ■ Connection for DHW circulation pump ■ Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Required for e.g. a single heating circuit without mixer with low loss header (separate heating circuit pump).*	Z017411 **210,–**	Part no. **Euro**
EM-S1 extension (PlusBus subscriber) Function extension inside enclosure for wall mounting. Electronic temperature differential control for dual mode DHW heating and simple central heating backup with buffer cylinder and solar collectors ■ With output statement and diagnostic system ■ Solar circuit pump speed control with PWM input ■ Suppression of DHW cylinder reheating by the heat generator, subject to solar yield ■ With interval function ■ With collector temperature sensor (NTC 20 kOhm) with connecting lead (2.50 m long) and cylinder temperature sensor (NTC 20 kOhm) with connecting lead (3.60 m long) and plug**!** *Extended central heating backup (with low loss header and buffer cylinder) in conjunction with Solar-Divicon with integral SDIO/SM1A electronics module or Vitocell 100-W, type CVUD-A/ CVUD.*	Z019336 **560,–**	Part no. **Euro**

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Accessories

Function extensions

MG W

EM-EA1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 3** EM-EA1 extensions can be connected to a heat generator.
- External functions:
  - External set flow temperature 0-10 V
  - Operating mode changeover
  - External demand
  - External blocking
- Fault message input and fault message output
  - Fault message input 230 V (without system blocking)
  - Fault message input 230 V and system blocking
  - Fault message input 24 V and system blocking
  - Connect message facility only
- LPG valve (external)
- Extractor hood (external extractor interlock)

Required for connection of fault messages, e.g. from the condensate removal pump.

Z017412
311,–
Part no.
Euro

Function extension for modernisation

MG W

Replacement set for KM-BUS extension kit with mixer and AM1 function extension
(PlusBus subscriber)
For the replacement of existing KM-BUS extension modules from 1998 onwards.
Comprising:
- ADIO electronics module
- Plug set
- 230 V power cable for extension kit with mixer for mixer mounting (1998-2009)

ZK06006
176,–
Part no.
Euro

Replacement set for KM-BUS solar control module, type SM1
(PlusBus subscriber)
For the replacement of an existing KM-BUS solar control module, type SM1.
Comprising:
- SDIO/SM1A electronics module
- Plug for PWM signal, solar circuit pump

When replacing the solar control module, existing solar circuit pumps without PWM control must be replaced with a solar circuit pump with PWM control.

ZK06007
119,–
Part no.
Euro

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Accessories		
Communication technology		MG Y
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted.	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired.	ZK04974 **21,–**	Part no. **Euro**

Notes!
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

►For information on ViGuide for commissioning, diagnostics and service www.viguide.info.

Wall mounted gas condensing boiler
Single boiler system 12 to 150 kW

10 year guarantee
on stainless steel heat exchangers for oil/gas condensing boilers up to 150 kW

Vitodens 200-W

Type B2HA

Wall mounted gas condensing boiler
With modulating MatriX cylinder burner, for open flue or room sealed operation.

For natural gas and LPG

Permissible operating pressure:
- Vitodens 200-W with 49 to 99 kW – 4 bar (0.4 MPa)
- Vitodens 200-W with 120 and 150 kW – 6 bar (0.6 MPa)

Colour: white

Product ID: CE-0085CN0050

- Cascade control possible with up to 6 boilers with an output from 98 kW to 594 kW
- Standard seasonal efficiency [to DIN]: up to 98 % (Hs) [gross cv]
- Durable and efficient thanks to Inox-Radial heat exchanger
- Modulating MatriX cylinder burner with a long service life thanks to stainless steel MatriX gauze – resistant to high temperature loads
- Easy to operate Vitotronic control unit with plain text and graphic display
- The programming unit in the control unit can also be fitted on a wall mounting base
- Lambda Pro Control combustion controller for all gas types – saves on costs by extending the inspection interval to 3 years
- Quiet operation thanks to low fan speed
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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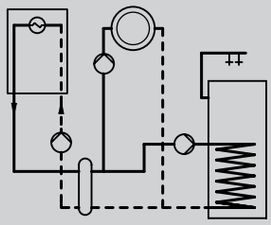
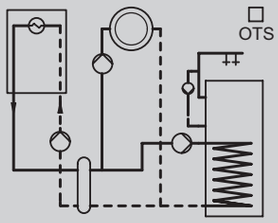
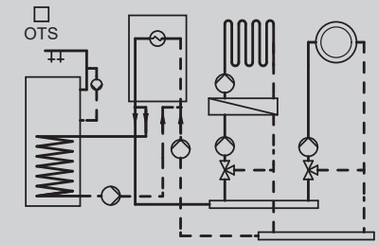
VITODENS 200-W

Gas condensing boiler – single boiler system
For open flue or room sealed operation

Heating system	Control unit
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**Vitotronic 100** **Type HC1B, for constant temperature mode** For room temperature-dependent mode (to EnEV). **Vitotrol 100 (type UTA)** Part no. 7170149 **Euro 138,–** **MG W** **Vitotrol 100 (type UTDB)** Part no. Z007691 **Euro 162,–** **MG W** **Vitotrol 100 (type UTDB-RF)** Part no. Z007692 **Euro 299,–** **MG W** **Internal H1 extension** Part no. 7498513 **Euro 87,–** **MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump ■ With or without DHW circulation pump	**Vitotronic 200** **Type HO1B, for weather-compensated mode** **Without** DHW circulation pump: **Internal H1 extension** Part no. 7498513 **Euro 57,–** **MG W** **With** DHW circulation pump: **AM1 extension** Part no. 7452092 **Euro 117,–** **MG W**
 ■ 1 or 2 heating circuits with mixer and system separation ■ With or without DHW circulation pump	**Vitotronic 200** **Type HO1B, for weather-compensated mode** With connection option for one heating circuit without mixer and 2 heating circuits with mixer. An extension is required for each **heating circuit with mixer**: **Mixer extension kit (mixer mounting)** Part no. ZK02940 **Euro 652,–** **MG W** **Mixer extension kit (wall mounting)** Part no. ZK02941 **Euro 428,–** **MG W** **With** DHW circulation pump: **Internal H1 extension** Part no. 7498513 **Euro 87,–** **MG W**

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The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the gas solenoid valve and the control unit (a conversion kit is therefore not required).

With the internal H1 extension (accessories), an external safety solenoid valve can also be connected. For external extractor interlock, instead of internal H1 extension (part no. 7498513), internal H2 extension (part no. 7498514) is required.

Equipment level:

- Modulating, fan-assisted premix burner with Lambda Pro Control
- Constant temperature or weather-compensated control unit
- Fully plumbed and wired
- Boiler flue connection

Please note:
A connection set for the heating circuit **must** be added to the order for appliance installation; see Accessories.

► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see Register 4.10.*
► *For multi boiler systems, see next price sheet.*

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	Fuel	Rated heating output range (kW) for central heating and heating water temperatures of 50/30 °C or 80/60 °C							MG WK
		12 - 49 10.9 - 45.0	12 - 60 10.9 - 55.2	20 - 80 18.2 - 74.1	20 - 99 18.2 - 90.9	32 - 120 29.1 - 110.9	32 - 150 29.1 - 136.0		
	Natural gas E (H) Natural gas LL LPG P	B2HAI35 **3.737,–** A	B2HAI36 **4.155,–** A	B2HAI37 **5.355,–**	B2HAI38 **6.832,–**	B2HAI39 **8.765,–**	B2HAI40 **10.232,–**		Part no. **Euro** Energy
	Natural gas E (H) Natural gas LL LPG P	B2HAI41 **4.191,–** A	B2HAI42 **4.609,–** A	B2HAI43 **5.809,–**	B2HAI44 **7.286,–**	B2HAI45 **9.219,–**	B2HAI46 **10.686,–**		Part no. **Euro** Energy
	Natural gas E (H) Natural gas LL LPG P	B2HAI41 **4.191,–** A	B2HAI42 **4.609,–** A	B2HAI43 **5.809,–**	B2HAI44 **7.286,–**	B2HAI45 **9.219,–**	B2HAI46 **10.686,–**		Part no. **Euro** Energy
	Specification								
	Length	380	380	530	530	690	690		mm
	Width	480	480	480	480	600	600		mm
	Height	850	850	850	850	900	900		mm
	Weight	65	65	83	83	130	130		kg
	Flue gas connection	80	80	110	110	110	110		Ø mm
	Ventilation air connection	125	125	150	150	150	150		Ø mm

The appliances are tested and approved for natural gas and LPG to EN 437, EN 15502-1 and 15502-2-1.

The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guides.

Please note:
For 2 or more boilers in a cascade: see price sheet for multi boiler system.

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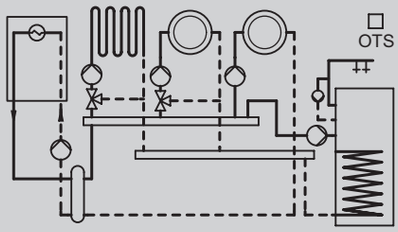
VITODENS 200-W

Gas condensing boiler – single boiler system
For open flue or room sealed operation

Heating system	Control unit
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump ■ 1 or 2 heating circuits with mixer ■ With or without DHW circuit pump	**Vitotronic 200** **Type HO1B, for weather-compensated mode** With connection option for one heating circuit without mixer and two heating circuits with mixer. An extension is required for each **heating circuit with mixer**: **Mixer extension kit (mixer mounting)** Part no. ZK02940 **Euro 652,–** **MG W** **Mixer extension kit (wall mounting)** Part no. ZK02941 **Euro 428,–** **MG W** **Without** DHW circulation pump: **Internal H1 extension** Part no. 7498513 **Euro 87,–** **MG W** **With** DHW circulation pump: **AM1 extension** Part no. 7452092 **Euro 117,–** **MG W**

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The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the gas solenoid valve and the control unit (a conversion kit is therefore not required).

With the internal H1 extension (accessories), an external safety solenoid valve can also be connected. For external extractor interlock, instead of internal H1 extension (part no. 7498513), internal H2 extension (part no. 7498514) is required.

Equipment level:

- Modulating, fan-assisted premix burner with Lambda Pro Control
- Constant temperature or weather-compensated control unit
- Fully plumbed and wired
- Boiler flue connection

Please note:
A connection set for the heating circuit **must** be added to the order for appliance installation; see Accessories.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see Register 4.10.*
► *For multi boiler systems, see next price sheet.*

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Fuel	Rated heating output range (kW) for central heating and heating water temperatures of 50/30 °C or 80/60 °C						MG WK
	12 - 49 10.9 - 45.0	12 - 60 10.9 - 55.2	20 - 80 18.2 - 74.1	20 - 99 18.2 - 90.9	32 - 120 29.1 - 110.9	32 - 150 29.1 - 136.0	
Natural gas E (H) Natural gas LL LPG P	B2HAI41 **4.191,–** A	B2HAI42 **4.609,–** A	B2HAI43 **5.809,–**	B2HAI44 **7.286,–**	B2HAI45 **9.219,–**	B2HAI46 **10.686,–**	Part no. **Euro** Energy
Specification							
Length	380	380	530	530	690	690	mm
Width	480	480	480	480	600	600	mm
Height	850	850	850	850	900	900	mm
Weight	65	65	83	83	130	130	kg
Flue gas connection	80	80	110	110	110	110	Ø mm
Ventilation air connection	125	125	150	150	150	150	Ø mm

The appliances are tested and approved for natural gas and LPG to EN 437, EN 15502-1 and 15502-2-1.

The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guides.

Please note:
For 2 or more boilers in a cascade: see price sheet for multi boiler system.

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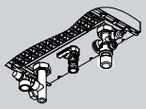
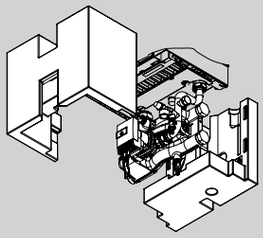
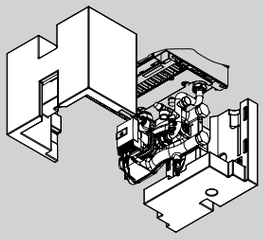
VITODENS 200-W

Accessories for Vitodens 200-W with 49 to 99 kW

Accessories		
Heating circuit and DHW cylinder (for Vitodens 200-W with 49 to 99 kW)		MG W
Heating circuit connection set without circulation pump For Vitodens 200-W with 49 and 60 kW For combination with external system separation or heating water buffer cylinder. ■ Tee with ball valve ■ BDF valve ■ Safety valve 4 bar (0.4 MPa) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve 	7245738 **240,–**	Part no. **Euro**
Heating circuit connection set with high efficiency circulation pump For Vitodens 200-W with 49 and 60 kW For combination with external system separation or heating water buffer cylinder. ■ Tee with ball valve ■ Check valve ■ BDF valve ■ Straight-through gas valve with integral, thermally activated safety shut-off valve ■ Safety valve 4 bar (0.4 MPa) ■ Variable speed high efficiency circulation pump 25/1-11 (0-10 V)	7501314 **456,–**	Part no. **Euro**
Heating circuit connection set with high efficiency circulation pump For Vitodens 200-W with 69, 80 and 99 kW. For combination with external system separation or heating water buffer cylinder. ■ BDF valve ■ Safety valve 4 bar (0.4 MPa) ■ Variable speed high efficiency circulation pump 25/1-12 (0-10 V) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve	7501320 **754,–**	Part no. **Euro**
Connection set for heating circuit with high efficiency circulation pump and low loss header For Vitodens 200-W with 49 and 60 kW ■ Safety valve 4 bar (0.4 MPa) ■ Variable speed high efficiency circulation pump 25/1-11 (0-10 V) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve ■ Low loss header with immersion temperature sensor ■ Thermal insulation *Wall mounting bracket or mounting frame must be added to the order.* 	ZK03663 **1.296,–**	Part no. **Euro**
Connection set for heating circuit with high efficiency circulation pump and low loss header For Vitodens 200-W with 69, 80 and 99 kW ■ Safety valve 4 bar (0.4 MPa) ■ Variable speed high efficiency circulation pump 25/1-11 (0-10 V) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve ■ Low loss header with immersion temperature sensor ■ Thermal insulation *Wall mounting bracket or mounting frame must be added to the order.* 	ZK03831 **1.389,–**	Part no. **Euro**

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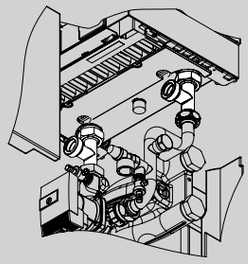
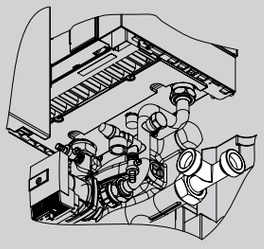
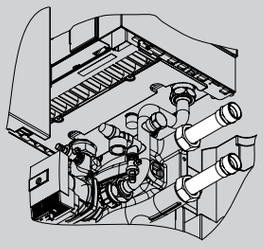
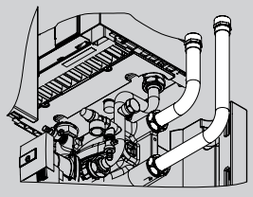
Accessories		
Heating circuit and DHW cylinder (for Vitodens 200-W with 49 to 99 kW)		MG W
DHW cylinder connection set 2 tees G 1½ 	ZK03669 **92,–**	Part no. **Euro**
Connection set for combining Vitodens 200-W with CHP unit For connection of the CHP unit return downstream of the low loss header. Tee G 1½ 	7237422 **63,–**	Part no. **Euro**
Connection accessories for installation to the left/right 2 pipe connectors R 1¼ 	ZK03673 **41,–**	Part no. **Euro**
Connection accessories for installation to the top/bottom 2 pipe bends R 1¼ 	ZK03675 **71,–**	Part no. **Euro**

VITODENS 200-W

Accessories for Vitodens 200-W with 49 to 99 kW

Accessories		
Accessories		MG W
Dual sensor well for combining Vitodens 200-W with heat pump For installation in the heating circuit connection set, for positioning a second flow temperature sensor. 	ZK03672 **35,–**	Part no. **Euro**
Wall mounting bracket for heating circuit connection set 	ZK03677 **29,–**	Part no. **Euro**
Mounting frame For installation of the Vitodens 200-W with heating circuit connection set anywhere in the room. 	ZK03678 **581,–**	Part no. **Euro**
Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. *Additional sensor for dual sensor well.* **For dual mode or multi mode heating systems**.	7179488 **110,–**	Part no. **Euro**

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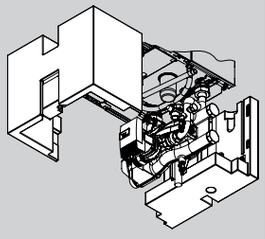
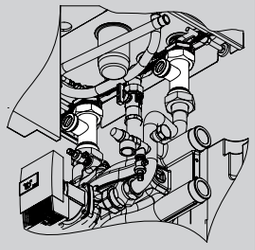
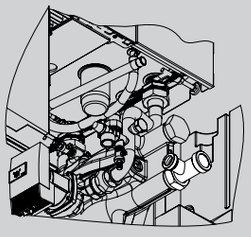
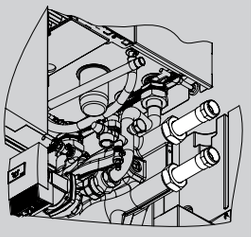
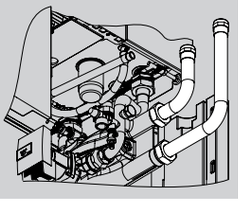
Accessories		
Heating circuit and DHW cylinder (for Vitodens 200-W with 120 and 150 kW)		MG W
Heating circuit connection set with high efficiency circulation pump For combination with external system separation for Vitodens 200-W with 120 and 150 kW. ■ BDF valve ■ Safety valve 6 bar (0.6 MPa) ■ Variable speed high efficiency circulation pump 30/1-12 (0-10 V) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve	7501323 **1.154,–**	Part no. **Euro**
Connection set for heating circuit with high efficiency circulation pump and low loss header ■ Safety valve 6 bar (0.6 MPa) ■ Variable speed high efficiency circulation pump 30/1-12 (0-10 V) ■ Straight-through gas valve with integral, thermally activated safety shut-off valve ■ Low loss header with immersion temperature sensor ■ Thermal insulation *Wall mounting bracket or mounting frame must be added to the order.* 	ZK03664 **2.061,–**	Part no. **Euro**
DHW cylinder connection set 2 tees G 2 	ZK03670 **246,–**	Part no. **Euro**
Connection set for combining Vitodens 200-W with CHP unit Tee G 2 	ZK03671 **119,–**	Part no. **Euro**
Connection accessories for installation to the left/right 2 pipe connectors R 1½ 	ZK03674 **85,–**	Part no. **Euro**
Connection accessories for installation to the top/bottom 2 pipe bends R 1½ 	ZK03676 **107,–**	Part no. **Euro**

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VITODENS 200-W

Accessories for Vitodens 200-W with 120 and 150 kW

Accessories		
Accessories		MG W
Dual sensor well for combining Vitodens 200-W with heat pump For installation in the heating circuit connection set, for positioning a second flow temperature sensor. 	ZK03672 **35,–**	Part no. **Euro**
Wall mounting bracket for heating circuit connection set 	ZK03677 **29,–**	Part no. **Euro**
Mounting frame For installation of the Vitodens 200-W with heating circuit connection set anywhere in the room. 	ZK03678 **581,–**	Part no. **Euro**
Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. *Additional sensor for dual sensor well.* **For dual mode or multi mode heating systems**.	7179488 **110,–**	Part no. **Euro**

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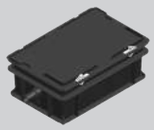
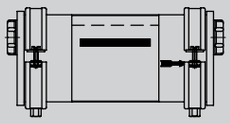
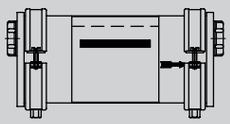
Accessories		
Sensors		MG W
Cylinder temperature sensor To capture the DHW temperature (3.75 m long). Included in the standard delivery for part no. ZK00657, 7348934 and 7501325.	7179114 **110,–**	Part no. **Euro**
Stainless steel sensor well R ½, 200 mm long. (For cylinder temperature sensor) 	7819693 **67,–**	Part no. **Euro**
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z015500 **245,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers 45 to 60 kW ■ With neutralising granulate ■ With connection hose for connection to the boiler trap 	ZK03653 **303,–**	Part no. **Euro**
Neutralising granulate (3.3 kg) *Fits neutralising system part no. ZK03653*	ZK03655 **106,–**	Part no. **Euro**
Neutralising system ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (8 kg) 	7441823 **356,–**	Part no. **Euro**
Neutralising granulate (8 kg) *Fits neutralising system part no. 7441823*	9521702 **111,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers 35 to 60 kW ■ With neutralising granulate (3.5 kg) 	7968319 **303,–**	Part no. **Euro**
Neutralising granulate (3.5 kg) Can be used with neutralising system part no. 7968319	7857854 **77,–**	Part no. **Euro** MG E
Neutralising system with wall mounting bracket ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (10 kg) 	7968320 **349,–**	Part no. **Euro**
Neutralising granulate (2 x 5 kg) Can be used with neutralising system part no. 7968320	7857855 **109,–**	Part no. **Euro** MG E
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load) 	ZK02486 **254,–**	Part no. **Euro**

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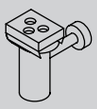
Accessories for Vitodens 200-W with 120 and 150 kW

Accessories		
Miscellaneous		MG W
Lifting beam Appliance mounting aid for Vitodens 200-W with 125 and 150 kW.	7514943 **58,–**	Part no. **Euro**
Drain outlet kit ■ Drain outlet with trap ■ Connection hose 	7459591 **35,–**	Part no. **Euro**
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro** MG N
Accessories		MG W
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1 Suitable for the following DHW cylinders: ■ Vitocell 100 up to 500 litre capacity ■ Vitocell 300 up to 200 litre capacity	7172847 **617,–**	Part no. **Euro**
Heat meter ■ Nominal flow rate 2.5 m³/h ■ Connection accessories G 1¼ Suitable for the following DHW cylinders: ■ Vitocell 300 with 300 to 500 litre capacity	7172848 **669,–**	Part no. **Euro**
Boiler		MG W
Minimum pressure limiter 0 to 6 bar *For use as a replacement low water indicator (*EN 12828*)*	7438030 **389,–**	Part no. **Euro**

Please note:
For attic installation we recommend the use of a minimum pressure switch.

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Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo PARA 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo PARA 25/8	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 145) To replace the connecting cable supplied in the standard delivery for linking the two mixer PCBs, in the case of 2 heating circuits with mixer	7424960 **34,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit.	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

Please note:
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

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	Control unit versions			
	Vitotronic 100 Type HC1B	Vitotronic 200 Type HO1B		
Control unit for room temperature-dependent mode				MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	-		Part no. **Euro**
External H4 extension Connection extension for Vitotrol 100, type UTDB or 24 V clock thermostats for operation via an existing extra low voltage (ELV) lead.	7197227 **87,–**	-		Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	-		Part no. **Euro**
Heating circuit control unit extension				MG W
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug	-	ZK02940 **652,–**		Part no. **Euro**
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered **separately** ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug	-	ZK02941 **428,–**		Part no. **Euro**

► *To control additional heating circuits and connect the boiler's Vitotronic to the heating circuit control unit, see Register 11.6.*

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	Control unit versions		
	Vitotronic 100 Type HC1B	Vitotronic 200 Type HO1B	
Function extensions			MG W
The function of the integral Vitotronic can be extended with the following accessories. Internal H1 or H2 extensions are installed in the Vitotronic and each performs a safety function plus one additional function (see description). ■ An external safety solenoid valve can be connected with internal H1 extension. ■ Internal H2 extension can be used for external extractor interlock. Only **one** internal extension can be installed in the Vitotronic. Where additional functions are required for the heating system, use the AM1 or EA1 extensions (see description). One internal extension can be combined with one further extension.			
Internal H1 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ Connection of an external safety solenoid valve (LPG) Or, alternatively, **one** of the following functions: ■ Connection of a DHW circulation pump (only with Vitotronic 200) ■ Connection of a heating circuit pump for a directly connected heating circuit ■ Connection of a central fault message ■ Connection of a circulation pump for cylinder heating	7498513 **87,–**		Part no. **Euro**
Internal H2 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ External extractor interlock Or, alternatively, **one** of the following functions: ■ Connection of a DHW circulation pump (only with Vitotronic 200) ■ Connection of a heating circuit pump for a directly connected heating circuit ■ Connection of a central fault message ■ Connection of a circulation pump for cylinder heating	7498514 **87,–**		Part no. **Euro**
AM1 extension Function extension inside enclosure for wall mounting. Up to 2 of the following pumps can be controlled: ■ DHW circulation pump with weather-compensated control unit ■ Circulation pump for cylinder heating in conjunction with separate DHW cylinder ■ Heating circuit pump for heating circuit without mixer	7452092 **117,–**		Part no. **Euro**

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	Control unit versions		
	Vitotronic 100 Type HC1B	Vitotronic 200 Type HO1B	
Function extensions			MG W
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set boiler water temperature **3 digital inputs** ■ External changeover of the operating status for heating circuits 1 to 3 on the weather-compensated control unit ■ External blocking ■ External blocking with central fault message ■ External demand for a minimum boiler water temperature ■ Fault messages ■ Brief operation of the DHW circulation pump with weather-compensated control unit **1 switching output (floating changeover contact)** ■ Issuing a central fault message ■ Feed pump connection to a substation ■ Switching the DHW circulation pump with weather-compensated control unit	7452091 **227,–**		Part no. **Euro**

Please note:
According to DVFG-TRF 2021, an external safety solenoid valve is no longer required when installing the appliance below ground level. However, the high safety standard derived from the use of an external safety solenoid valve has proved to be valuable. We therefore **recommend** the continued installation of an **external safety solenoid valve** when installing the appliance below ground level.

Please note:
For further accessories and software, see the following Registers:

►Register 19, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

10 year guarantee
on stainless steel heat exchangers for oil or gas condensing boilers up to 150 kW

Vitodens 200-W

Type B2HA, multi boiler system

Wall mounted gas condensing boiler
With modulating MatriX cylinder burner, for open flue and room sealed operation.

For natural gas and LPG

Permissible operating pressure 4 bar (0.4 MPa)

Colour: White

Product ID: CE-0085CN0050

- Cascade control possible with up to 6 boilers with an output from 98 kW to 594 kW
- Standard seasonal efficiency [to DIN]: up to 98 % (H_s) [gross cv]
- Durable and efficient thanks to Inox-Radial heat exchanger
- Modulating MatriX cylinder burner with a long service life thanks to stainless steel MatriX gauze – resistant to high temperature loads
- Easy to operate Vitotronic control unit with plain text and graphic display
- The programming unit in the control unit can also be fitted on a wall mounting base
- Lambda Pro Control combustion controller for all gas types – saves on costs by extending the inspection interval to 3 years
- Quiet operation through low fan speed

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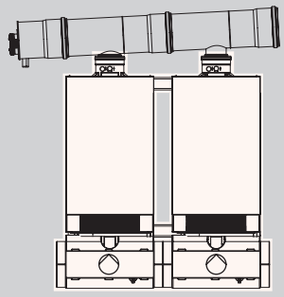
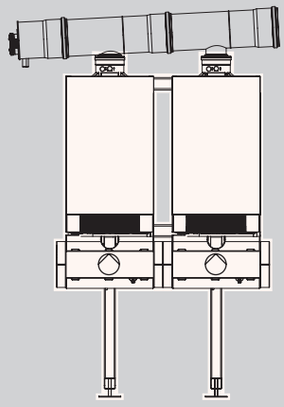
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Two-boiler system (inline formation)

Heating system	Control unit
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 2 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 2 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Pre-plumbing jig or mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

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Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C				MG WK
		12 - 49 12 - 98	12 - 60 12 - 120	20 - 80 20 - 160	20 - 99 20 - 198	
Wall mounting with pre-plumbing jig	Natural gas E (H) Natural gas LL LPG P	B2HAI47 **13.677,–** A	B2HAI48 **14.513,–** A	B2HAI49 **17.211,–**	B2HAI50 **20.165,–**	Part no. **Euro** Energy
Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI51 **14.069,–** A	B2HAI52 **14.905,–** A	B2HAI53 **17.603,–**	B2HAI54 **20.557,–**	Part no. **Euro** Energy
Specification						
Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9	kW
Output 80/60 °C multiple boilers		10.9 - 90.0	10.9 - 110.4	18.2 - 148.2	18.2 - 181.8	kW

The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

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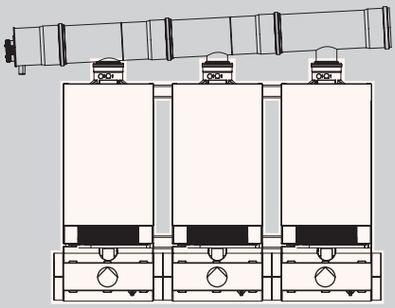
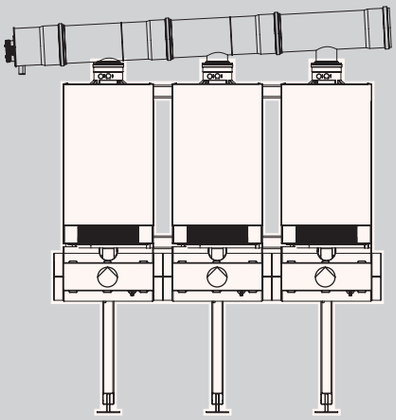
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Three-boiler system (inline formation)

Heating system	Control unit
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 3 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 3 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Pre-plumbing jig or mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C				MG WK
		12 - 49 12 - 147	12 - 60 12 - 180	20 - 80 20 - 240	20 - 99 20 - 297	
Wall mounting with pre-plumbing jig	Natural gas E (H) Natural gas LL LPG P	B2HAI55 **19.379,–** A	B2HAI56 **20.633,–** A	B2HAI57 **24.680,–**	B2HAI58 **29.111,–**	Part no. **Euro** Energy
Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI59 **19.815,–** A	B2HAI60 **21.069,–** A	B2HAI61 **25.116,–**	B2HAI62 **29.547,–**	Part no. **Euro** Energy
Specification						
Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9	kW
Output 80/60 °C multiple boilers		10.9 - 135.0	10.9 - 165.6	18.2 - 222.3	18.2 - 272.7	kW

The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

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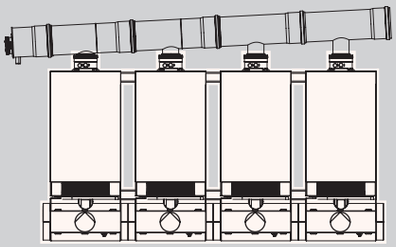
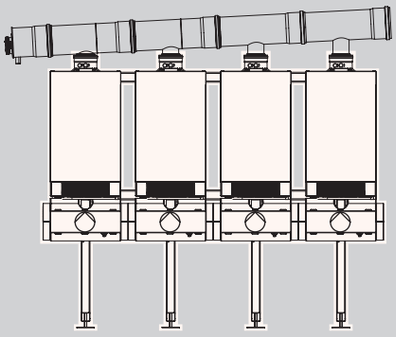
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Four-boiler system (inline formation)

Heating system	Control unit
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 4 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 4 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Pre-plumbing jig or mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

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	Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C					MG WK
			12 - 49 12 - 196	12 - 60 12 - 240	20 - 80 20 - 320	20 - 99 20 - 396		
	Wall mounting with pre-plumbing jig	Natural gas E (H) Natural gas LL LPG P	B2HAI63 **25.332,–** A	B2HAI64 **27.004,–** A	B2HAI65 **32.400,–**	B2HAI66 **38.308,–**		Part no. **Euro** Energy
	Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI67 **25.942,–** A	B2HAI68 **27.614,–** A	B2HAI69 **33.010,–**	B2HAI70 **38.918,–**		Part no. **Euro** Energy
	Specification							
	Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9		kW
	Output 80/60 °C multiple boilers		10.9 - 180.0	10.9 - 220.8	18.2 - 296.4	18.2 - 363.6		kW

The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

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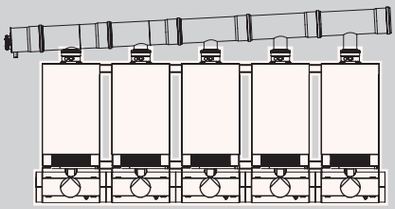
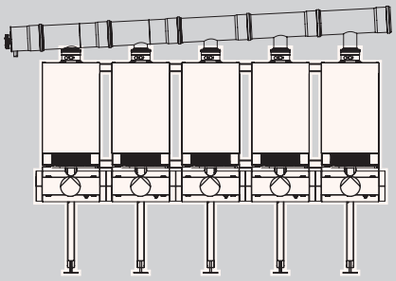
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Five-boiler system (inline formation)

Heating system	Control unit
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 5 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 5 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Pre-plumbing jig or mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C				MG WK
		12 - 49 12 - 245	12 - 60 12 - 300	20 - 80 20 - 400	20 - 99 20 - 495	
Wall mounting with pre-plumbing jig	Natural gas E (H) Natural gas LL LPG P	B2HAI71 **31.034,–** A	B2HAI72 **33.124,–** A	B2HAI73 **39.869,–**	B2HAI74 **47.254,–**	Part no. **Euro** Energy
Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI75 **31.688,–** A	B2HAI76 **33.778,–** A	B2HAI77 **40.523,–**	B2HAI78 **47.908,–**	Part no. **Euro** Energy
Specification						
Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9	kW
Output 80/60 °C multiple boilers		10.9 - 225.0	10.9 - 276.0	18.2 - 370.5	18.2 - 454.5	kW

The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

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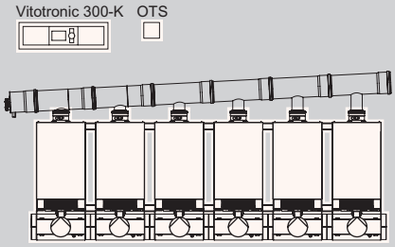
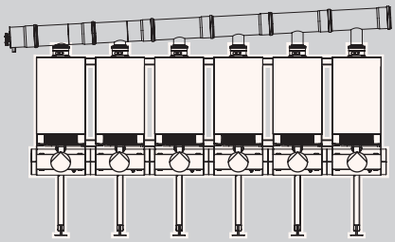
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Six-boiler system (inline formation)

Heating system	Control unit
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 6 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".
Vitotronic 300-K OTS  Inline formation	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 6 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Pre-plumbing jig or mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

	Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C					MG WK
			12 - 49 12 - 294	12 - 60 12 - 360	20 - 80 20 - 480	20 - 99 20 - 594		
	Wall mounting with pre-plumbing jig	Natural gas E (H) Natural gas LL LPG P	B2HAI79 **36.736,–** A	B2HAI80 **39.244,–** A	B2HAI81 **47.338,–**	B2HAI82 **56.200,–**		Part no. **Euro** Energy
	Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI83 **37.434,–** A	B2HAI84 **39.942,–** A	B2HAI85 **48.036,–**	B2HAI86 **56.898,–**		Part no. **Euro** Energy
	Specification							
	Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9		kW
	Output 80/60 °C multiple boilers		10.9 - 270.0	10.9 - 331.2	18.2 - 444.6	18.2 - 545.4		kW

The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

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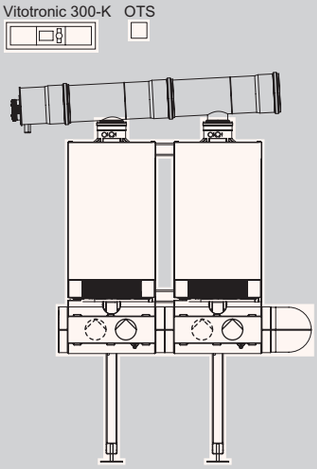
VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Four-boiler system (block formation)

Heating system	Control unit
Vitotronic 300-K OTS  Freestanding cascade installation (block formation) with mounting frame	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 4 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

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	Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C					MG WK
			12 - 49 12 - 196	12 - 60 12 - 240	20 - 80 20 - 320	20 - 99 20 - 396		
	Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI87 **26.595,–** A	B2HAI88 **28.267,–** A	B2HAI89 **33.663,–**	B2HAI90 **39.571,–**		Part no. **Euro** Energy
	Specification							
	Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9		kW
	Output 80/60 °C multiple boilers		10.9 - 180.0	10.9 - 220.8	18.2 - 296.4	18.2 - 363.6		kW

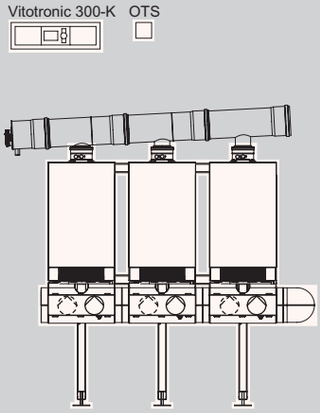
The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

VITODENS 200-W

Gas condensing boiler
for open or room sealed operation
Six-boiler system (block formation)

Heating system	Control unit
Vitotronic 300-K OTS  Freestanding cascade installation (block formation) with mounting frame	**Vitotronic 100/300-K type HC1B/MW2B, for weather-compensated operation** **Multi boiler system comprising 6 Vitodens 200-W** Weather-compensated cascade of up to 6 Vitodens 200-W with modulating operation and control of up to 2 heating circuits with mixer ■ With cylinder temperature controller and sensor ■ Capable of communicating with the Vitotronic 100 via **KM-BUS** (cascade communication module supplied separately) ■ Capable of communicating with the Vitotronic 200-H and Vitocom 300 via **LON bus** (LON communication module must also be ordered) **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is additionally required for each **heating circuit with mixer**: **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** **Notes:** When operating the boiler in a flue gas cascade, a back draught safety device must be ordered for each boiler; see "Flue gas cascade accessory".

Notes:
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

Standard delivery:

- Vitodens 200-W as per the single boiler description
- Vitotronic 300-K cascade control unit
- Immersion temperature sensor
- Mounting frame
- Connection accessories incl. high efficiency circulation pump and thermal insulation

Notes on the cascade control unit:
Vitotronic 200-H heating circuit control units can be connected via LON bus to control further heating circuits with mixer.

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	Installation type	Fuel	Rated heating output range (kW) single/multi boiler system with heating water temperatures of 50/30 °C					MG WK
			12 - 49 12 - 294	12 - 60 12 - 360	20 - 80 20 - 480	20 - 99 20 - 594		
	Freestanding with mounting frame	Natural gas E (H) Natural gas LL LPG P	B2HAI91 **38.087,–** A	B2HAI92 **40.595,–** A	B2HAI93 **48.689,–**	B2HAI94 **57.551,–**		Part no. **Euro** Energy
	Specification							
	Output 80/60 °C single boiler		10.9 - 45.0	10.9 - 55.2	18.2 - 74.1	18.2 - 90.9		kW
	Output 80/60 °C multiple boilers		10.9 - 270.0	10.9 - 331.2	18.2 - 444.6	18.2 - 545.4		kW

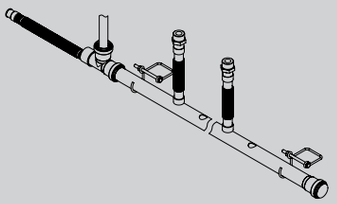
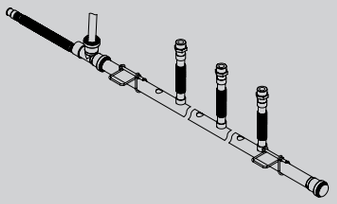
The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

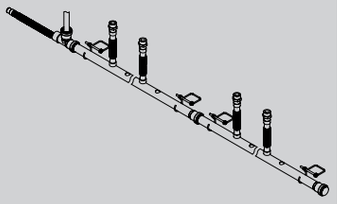
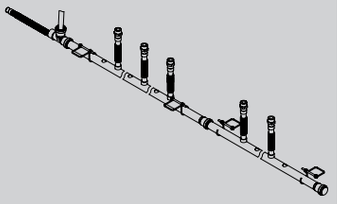
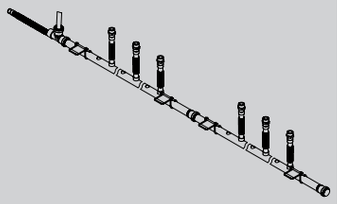
Notes:
- For installation, a low loss header or cascade module adaptor must also be ordered; see "Accessories".
- The details regarding the rated heating output apply to operation with natural gas. For details on operation with LPG, see technical guide.

►For flue gas cascades for open flue operation, see "Accessories".

Accessories		
Low loss header		MG W
Low loss header DN 80 ■ Can be used up to 594 kW ■ Incl. thermal insulation Observe the maximum flow rate; see technical guides.	ZK02627 **1.278,–**	Part no. **Euro**
Heating circuit connecting kit		MG W
Cascade module adaptor DN 100 For on-site installation without a low loss header. Incl. thermal insulation	ZK02628 **416,–**	Part no. **Euro**
Adaptor flange DN 80 to R 2 Can be used up to 200 kW in conjunction with a low loss header.	7456326 **177,–**	Part no. **Euro**
Adaptor flange DN 100 to R 2 Can be used up to 200 kW in conjunction with a cascade module adaptor DN 100.	ZK02629 **186,–**	Part no. **Euro**
Set of 90° pipe bends For corner arrangement of multi boiler system and low loss header (inline formation). ■ Incl. thermal insulation *Flue gas cascades cannot be used if a multi boiler system is installed in a corner.*	ZK02630 **1.234,–**	Part no. **Euro**

Notes:
For installation without a low loss header, please observe the technical guides.

Accessories		
		MG W
Condensate collector, two-boiler system 	ZK02631 **93,–**	Part no. **Euro**
Condensate collector, three-boiler system 	ZK02632 **119,–**	Part no. **Euro**

Accessories		
Accessories		MG W
Condensate collector, four-boiler system Block formation and inline formation 	ZK02633 **186,–**	Part no. **Euro**
Condensate collector, five-boiler system 	ZK02634 **212,–**	Part no. **Euro**
Condensate collector, six-boiler system Block formation and inline formation 	ZK02635 **238,–**	Part no. **Euro**

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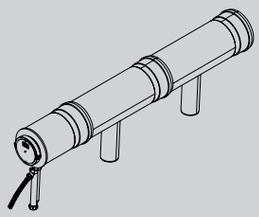
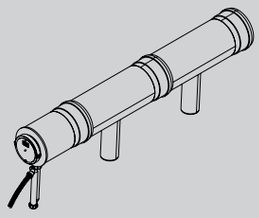
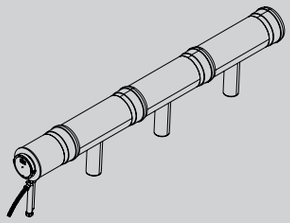
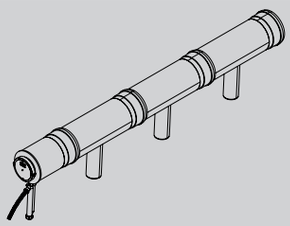
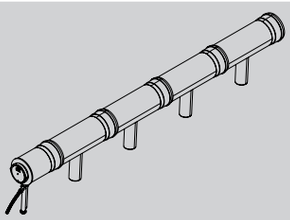
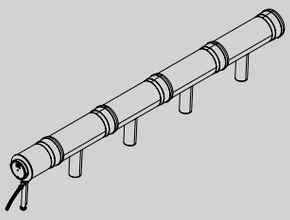
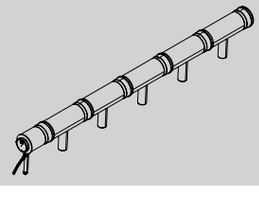
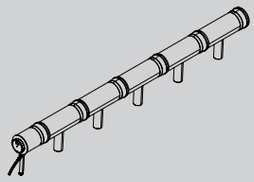
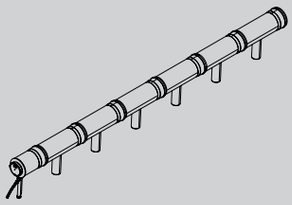
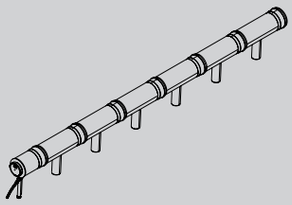
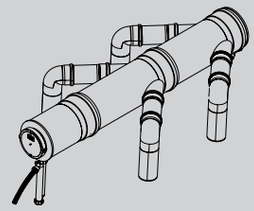
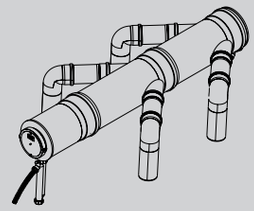
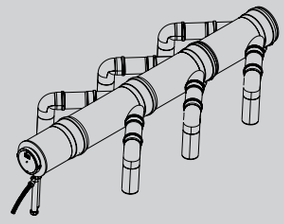
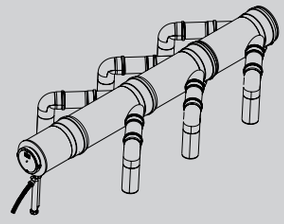
Accessories		
Flue gas cascade		MG WZ
Flue gas cascade, two-boiler system For installing Vitodens 200-W with 49 or 60 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 160 mm. Max. flue pipe length 30 m. 	ZK00675 **471,–**	Part no. **Euro**
Flue gas cascade, two-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 200 mm. Max. flue pipe length 30 m. 	ZK00676 **770,–**	Part no. **Euro**
Flue gas cascade, three-boiler system For installing Vitodens 200-W with 49 or 60 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 160 mm. Max. flue pipe length 30 m. 	ZK00678 **654,–**	Part no. **Euro**
Flue gas cascade, three-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 200 mm. Max. flue pipe length 30 m. 	ZK00679 **1.028,–**	Part no. **Euro**
Flue gas cascade, four-boiler system For installing Vitodens 200-W with 49 or 60 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 200 mm. Max. flue pipe length 30 m. 	ZK00681 **1.074,–**	Part no. **Euro**
Flue gas cascade, four-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 200 mm. Max. flue pipe length 30 m. 	ZK00682 **1.254,–**	Part no. **Euro**
Flue gas cascade, five-boiler system For installing Vitodens 200-W with 49 or 60 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK02636 **3.138,–**	Part no. **Euro**

Accessories		
Flue gas cascade		MG WZ
Flue gas cascade, five-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK02637 **3.045,–**	Part no. **Euro**
Flue gas cascade, six-boiler system For installing Vitodens 200-W with 49 or 60 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK00684 **3.573,–**	Part no. **Euro**
Flue gas cascade, six-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK00685 **3.399,–**	Part no. **Euro**

Notes:
- Flue gas is routed through single wall plastic flue pipes (PPs) – see Pricelist Part 3, Register 2. The maximum flue length applies from the boiler flue connection to the shaft terminal.
- The flue system is tested and CE designated to EN 14471.
- In accordance with the FeuVo [or local building regulations], install condensing boilers from 50 kW rated heating output in a separate, ventilated installation room with a suitable vent. The unrestricted cross-section must be at least 150 cm² and should be 2 cm² larger for each additional kW rated heating output above 50 kW.
- Please see the information in the technical guide and the TRGI 2018.

Accessories
Flue gas cascades for installation in block formation

Accessories		
Flue gas cascade		MG WZ
Flue gas cascade, four-boiler system For installing Vitodens 200-W with 49 or 60 kW in block formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 200 mm. Max. flue pipe length 30 m. 	ZK00689 **1.136,–**	Part no. **Euro**
Flue gas cascade, four-boiler system For installing Vitodens 200-W with 80 or 99 kW in block formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK00690 **2.225,–**	Part no. **Euro**
Flue gas cascade, six-boiler system For installing Vitodens 200-W with 49 or 60 kW in block formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK00691 **2.799,–**	Part no. **Euro**
Flue gas cascade, six-boiler system For installing Vitodens 200-W with 80 or 99 kW in block formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK00692 **2.979,–**	Part no. **Euro**

Notes:
- Flue gas is routed through single wall plastic flue pipes (PPs) – see Pricelist Part 3, Register 2. The maximum flue length applies from the boiler flue connection to the shaft terminal.
- The flue system is tested and CE designated to EN 14471.
- In accordance with the FeuVo [or local building regulations], install condensing boilers from 50 kW rated heating output in a separate, ventilated installation room with a suitable vent. The unrestricted cross-section must be at least 150 cm² and should be 2 cm² larger for each additional kW rated heating output above 50 kW.
- Please see the information in the technical guide and the TRGI 2018.

Flue gas cascade accessory		MG WZ
Back draught safety device for Vitodens 49 kW ■ Consisting of DN 80 back draught safety device with coding card ■ For vertical installation in the downstream flue pipe directly behind the boiler *Must be ordered separately for every boiler in the flue gas cascade.*	ZK07169 **44,–**	Part no. **Euro**
Back draught safety device for Vitodens 60 kW ■ Consisting of DN 80 back draught safety device with coding card ■ For vertical installation in the downstream flue pipe directly behind the boiler. *Must be ordered separately for every boiler in the flue gas cascade.*	ZK07170 **44,–**	Part no. **Euro**
Back draught safety device for Vitodens 80 kW ■ Consisting of DN 110 back draught safety device with coding card ■ For vertical installation in the downstream flue pipe directly behind the boiler *Must be ordered separately for every boiler in the flue gas cascade.*	ZK07171 **54,–**	Part no. **Euro**

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Accessories		
Flue gas cascade accessory		MG WZ
Back draught safety device for Vitodens 99 kW ■ Consisting of DN 110 back draught safety device with coding card ■ For vertical installation in the downstream flue pipe directly behind the boiler *Must be ordered separately for every boiler in the flue gas cascade.*	ZK07172 **54,–**	Part no. **Euro**

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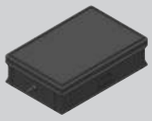
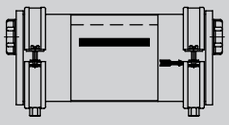
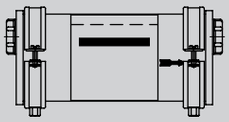
Accessories		
Neutralising systems		MG W
Neutralising system ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (8 kg)	7441823 **356,–**	Part no. **Euro**
Neutralising granulate ■ 8 kg ■ Can be used with neutralising system part no. 7441823	9521702 **111,–**	Part no. **Euro**
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (25 kg) 	7437829 **997,–**	Part no. **Euro**
Neutralising granulate (25 kg) Can be used with neutralising system part no. 7437829	9521748 **170,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (10 kg) 	7968320 **349,–**	Part no. **Euro**
Neutralising granulate (2 x 5 kg) Can be used with neutralising system part no. 7968320.	7857855 **109,–**	Part no. **Euro** MG E
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (20 kg) 	7968321 **905,–**	Part no. **Euro**
Neutralising granulate (4 x 5 kg) Can be used with neutralising system part no. 7968321.	7857856 **121,–**	Part no. **Euro** MG E
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: Changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**
Sensors		MG W
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z015500 **245,–**	Part no. **Euro**
Miscellaneous		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**

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Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/6 high efficiency circulation pump	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with Wilo Para 25/8 high efficiency circulation pump	**–**		Z024688 **866,–**	Part no. **Euro**

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.*				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting lead (3.5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting lead (3.5 m long)	Z008952 **735,–**	Z008953 **753,–**	**–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ Grundfos Alpha 25/60 high efficiency circulation pump ■ With connecting lead (3.5 m long)	**–**		ZK01828 **794,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit.	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

Accessories		
Heating circuit control unit extension		MG W
Extension for heating circuits 2 and 3 PCB for installation in the Vitotronic For controlling two heating circuits with mixer ■ With connections for mixer motors, flow temperature sensors (NTC 10 kOhm) and heating circuit pumps ■ Plug for mixer motor and heating circuit pump for each heating circuit	ZK05916 **420,–**	Part no. **Euro**
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump	7441998 **460,–**	Part no. **Euro**

To control additional heating circuits and connect the boiler Vitotronic with the heating circuit control unit, see Register 11.4.

Function extensions		MG W
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set boiler water temperature **3 digital inputs** ■ External changeover of operating status for heating circuits 1 to 3 can be switched individually ■ External blocking with central fault message ■ Fault messages ■ Brief operation, DHW circuit pump **1 switching output (floating changeover contact)** ■ Feed pump connection to a substation ■ Signalling reduced mode for a heating circuit	7452091 **227,–**	Part no. **Euro**

Notes:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

10 year guarantee
on stainless steel heat exchangers for
oil/gas condensing boilers up to 150 kW

Vitodens 222-W

Type B2LF

Wall mounted gas condensing boiler as a storage combi boiler, with modulating MatriX-Plus burner, for open flue or room sealed operation.

With integral **stainless steel loading cylinder** with 46 litre capacity.

For natural gas and LPG

Permissible operating pressure: heating water 3 bar (0.3 MPa), DHW 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE0085CT0017

- Seasonal central heating energy efficiency eta$_s$ up to 94 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:17
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger
- MatriX-Plus burner with Lambda Pro Plus combustion controller for permanently high efficiency and clean combustion
- New, innovative operating concept employing a colour touchscreen with plain text and graphic display, commissioning assistant, energy consumption indicators and the option of operation from a mobile device
- Web-enabled through integral WiFi interface for operation and service via Viessmann app
- Individual room control via ViCare app for up to 20 rooms in combination with ViCare Smart Climate accessory

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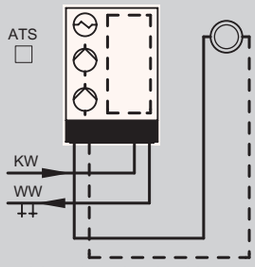
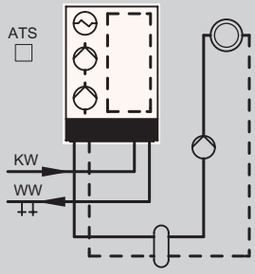
VITODENS 222-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**,
for open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (46 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (10 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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VITODENS 222-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**, for open flue or room sealed operation
Heating circuit **without** mixer

	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG WJ
			1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019408 **4.158,–** A A	Z019409 **4.286,–** A A	Z019410 **4.411,–** A A	Z019411 **4.497,–** A A		Part no. **Euro**
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019408 **4.158,–** A A	Z019409 **4.286,–** A A	Z019410 **4.411,–** A A	Z019411 **4.497,–** A A		Part no. **Euro**
	Specification							
	Length		500	500	500	500		mm
	Width		600	600	600	600		mm
	Height		950	950	950	950		mm
	Weight		63	63	63	63		kg
	Cylinder capacity		46	46	46	46		l
	Draw-off rate		16.4	18.5	20.1	21.2		l/min
	Flue gas connection		60	60	60	60		Ø mm
	Ventilation air connection		100	100	100	100		Ø mm
	DHW output		22.0	26.5	30.7	33.9		kW

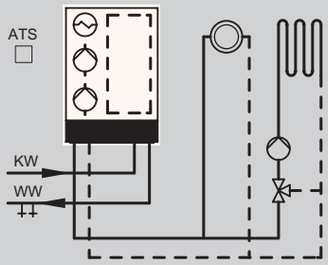
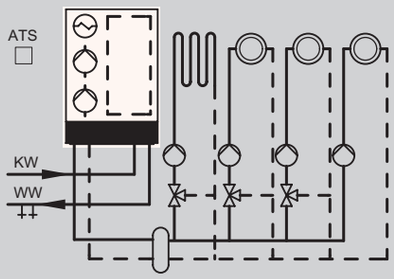
The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 222-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**,
for open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For sub-mounting kit with mixer, see Accessories.** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump ■ 1, 2 or 3 heating circuits with mixer ■ With or without DHW circulation pump ■ With low loss header	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (46 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (10 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings **must** be added to the order.
► *For connection accessories and DHW heating, see Accessories.*
► *For the flue system, see the Flue systems price sheet.*

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VITODENS 222-W

Gas condensing storage combi boiler with a **stainless steel loading cylinder**,
for open flue or room sealed operation
Heating circuit **with** mixer

	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG WJ
			1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019408 **4.158,–** A A	Z019409 **4.286,–** A A	Z019410 **4.411,–** A A	Z019411 **4.497,–** A A		Part no. **Euro**
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019408 **4.158,–** A A	Z019409 **4.286,–** A A	Z019410 **4.411,–** A A	Z019411 **4.497,–** A A		Part no. **Euro**

Specification							
Length		500	500	500	500		mm
Width		600	600	600	600		mm
Height		950	950	950	950		mm
Weight		63	63	63	63		kg
Cylinder capacity		46	46	46	46		l
Draw-off rate		16.4	18.5	20.1	21.2		l/min
Flue gas connection		60	60	60	60		Ø mm
Ventilation air connection		100	100	100	100		Ø mm
DHW output		22.0	26.5	30.7	33.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

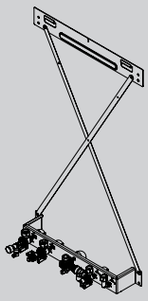
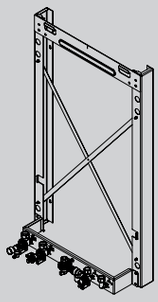
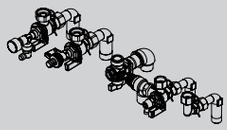
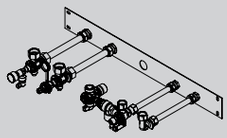
►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Accessories		
Installation accessories		MG W
Pre-plumbing jig for surface mounting ■ Fixings ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04929 **266,–**	Part no. **Euro**
Mounting frame for surface mounting ■ Fixings ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve Wall clearance 90 mm 	ZK04931 **475,–**	Part no. **Euro**
Valves/fittings for surface mounting ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04933 **181,–**	Part no. **Euro**
Valves/fittings for flush mounting ■ Valves/fittings ■ DHW safety valve 10 bar ■ Gas shut-off valve R ¾ with integral, thermally activated safety shut-off valve 	ZK04934 **315,–**	Part no. **Euro**

Accessories

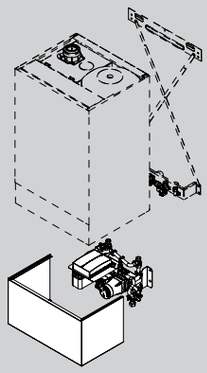
Heating circuit

MG W

Sub-mounting kit with mixer
Complete assembly for heat distribution via one heating circuit with mixer and one heating circuit without mixer, for installation below the appliance.
- Plate heat exchanger for system separation of the heating circuit with mixer
- Variable speed high efficiency circulation pump for the heating circuit with mixer
- 3-way mixer with mixer motor
- Mixer PCB, capable of communicating via PlusBus
- Adjustable bypass
- Flow temperature sensor
- Valve for regulating the flow rates of both heating circuits
- Cover with same design as the wall mounted boiler

The sub-mounting kit can only be used in conjunction with a pre-plumbing jig for surface mounting. The pre-plumbing jig must be added to the order.
For different applications, use a mixer extension kit.

Maximum transferable heating output of the heating circuit with mixer is 14 kW.
For further information, see the Vitodens technical guide.



ZK04935
2.223,–
Part no.
Euro

Contact temperature limiter
As a maximum temperature limiter for underfloor heating systems in combination with the assembly kit or sub-mounting kit with mixer.
With connecting lead (1.5 m long).

7425493
131,–
Part no.
Euro

Hydraulic accessories

MG W

DHW expansion vessel
For installation in Vitodens.
- Volume 2 litres
- Max. pressure 10 bar

ZK04937
111,–
Part no.
Euro

4.8

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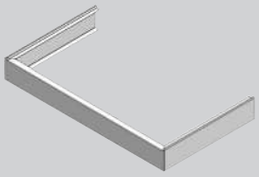
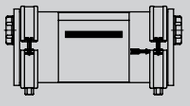
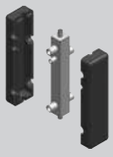
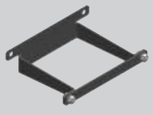
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover For 600 mm wide appliances. 	ZK04938 **201,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection ■ With connection hose for connection to the boiler trap	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Can be used with neutralising system part no. ZK03652.	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate (2.6 kg) ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro**
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**
Low loss header		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

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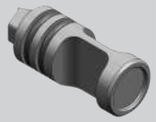
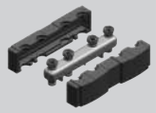
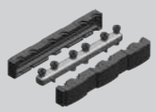
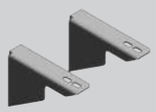
Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site) 	7465439 **60,–**			Part no. **Euro**

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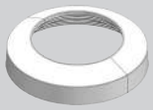
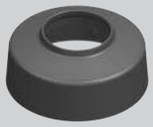
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	7460649 **343,–**	**–**		Part no. **Euro**
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	**–**		7460648 **428,–**	Part no. **Euro**

Note!
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

Balanced flue system

		MG W
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro**

Miscellaneous

		MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro**
Plate heat exchanger flushing system Adaptor plate for fitting on the plate heat exchanger after removal. For easy connection of flushing equipment to the plate heat exchanger.	7373005 **111,–**	Part no. **Euro**

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Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Remote control units		MG W
Vitotrol 200-E Hardwired remote control unit (PlusBus subscriber). With backlit graphic display with plain text. For setting the following functions for one, two, three or up to 4 heating circuits: ■ **Hardwired** communication with the heat generator ■ Time programs for heating circuits and DHW cylinders ■ Comfort functions, e.g. holiday program/holiday at home program ■ Specification of the set DHW temperature and up to 3 set values for the room temperature ■ With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ The display shows the outside temperature, room temperature and operating conditions. If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room). Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.	Z017415 **288,–**	Part no. **Euro**
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Depending on the connected system: display of room temperature, room humidity, CO_2 level, energy cockpit and support for heating, cooling and ventilation modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Comfort functions such as holiday program ■ Intuitive colour-coded user navigation (Lightguide) *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**

Accessories		
Remote control units		MG W
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, the Vitotrol 300-E can also be supplied with power via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro**
Sensors		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the sub-mounting kit with mixer.*	Z017409 **572,–**	Part no. **Euro**

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Accessories

Heating circuit control unit extension

MG W

EM-M1 mixer extension kit (wall mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB for separately ordered mixer motor
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump and mixer motor
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Not if using the sub-mounting kit with mixer.

Z025981
373,–

Part no.
Euro

EM-MX mixer extension kit (for Divicon)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB **including mixer motor** for Divicon
- Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) and plug
- Plug for heating circuit pump
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Z017414
538,–

Part no.
Euro

Function extensions

MG W

EM-P1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
- Connection for heating circuit pump for the heating circuit without mixer
- Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Required for e.g. a single heating circuit without mixer with low loss header

Z017411
210,–

Part no.
Euro

EM-EA1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 3** EM-EA1 extensions can be connected to a heat generator.
- External functions:
  - External set flow temperature 0-10 V
  - Operating mode changeover
  - External demand
  - External blocking
- Fault message input and fault message output
  - Fault message input 230 V (without system blocking)
  - Fault message input 230 V and system blocking
  - Fault message input 24 V and system blocking
  - Connect message facility only
- LPG valve (external)
- Extractor hood (external extractor interlock)

Required for connection of fault messages, e.g. from the condensate removal pump.

Z017412
311,–

Part no.
Euro

Function extension for modernisation

MG W

Replacement set for KM-BUS extension kit with mixer and AM1 function extension
(PlusBus subscriber)
For the replacement of existing KM-BUS extension modules from 1998 onwards.
Comprising:
- ADIO electronics module
- Plug set
- 230 V power cable for extension kit with mixer for mixer mounting (1998-2009)

ZK06006
176,–

Part no.
Euro

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes!
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

10 year guarantee
on stainless steel heat exchangers for oil/gas condensing boilers up to 150 kW

Gas condensing storage combi boiler
with DHW cylinder with internal indirect coil
1.9 to 32.0 kW

Vitodens 222-F

Floorstanding gas condensing boiler as a storage combi boiler
With modulating MatriX-Plus burner, for open flue or room sealed operation.

Type B2TF
With integral **loading cylinder** with 100 litre capacity.

Type B2SF
With integral **DHW cylinder with internal indirect coil**, with 130 litre capacity. For areas with hard drinking water (> 20 °dH/> 3.6 mol/m³)

Permissible operating pressure: heating water 3 bar (0.3 MPa), DHW 10 bar (1 MPa)

Colour: Vitopearlwhite

Product ID: CE0085CT0017

- Seasonal central heating energy efficiency eta$_s$ up to 94 % (label A)
- Low cycling frequency, even with low heat demand, due to optimised pauses and a wide modulation range down to 1:17
- Durable and efficient thanks to stainless steel Inox-Radial heat exchanger.
- MatriX-Plus burner with Lambda Pro Plus combustion controller for permanently high efficiency and clean combustion
- Power saving, high efficiency circulation pump
- 7-inch colour touchscreen with plain text and graphic display, commissioning assistant, energy consumption indicators and the option of operation from a mobile device
- Web-enabled through integral WiFi interface for operation and service via Viessmann app
- Individual room control via ViCare app for up to 20 rooms in combination with ViCare Smart Climate accessory

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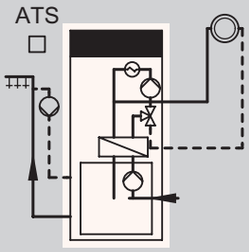
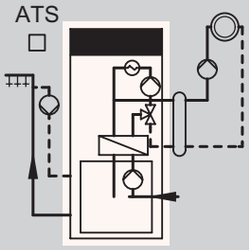
VITODENS 222-F

Gas condensing storage combi boiler with **loading cylinder**
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
ATS □  ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,–** **MG W**
ATS □  ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,–** **MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,–** **MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,–** **MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler and loading cylinder (100 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (18 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
A connection set or assembly kit **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see the Flue systems price sheet.*

Gas condensing storage combi boiler with **loading cylinder**
For open flue or room sealed operation
Heating circuit **without** mixer

Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C			MG WJ
		1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3	
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019415 **4.286,–** A A	Z019416 **4.411,–** A A	Z019417 **4.527,–** A A	Part no. **Euro**
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019415 **4.286,–** A A	Z019416 **4.411,–** A A	Z019417 **4.527,–** A A	Part no. **Euro**

Specification					
Length		595	595	595	mm
Width		600	600	600	mm
Height		1400	1400	1400	mm
Weight		112	112	112	kg
Cylinder capacity		100	100	100	l
Draw-off rate		20.3	23.8	25.9	l/min
Flue gas connection		60	60	60	Ø mm
Ventilation air connection		100	100	100	Ø mm
DHW output		22.0	28.6	33.9	kW

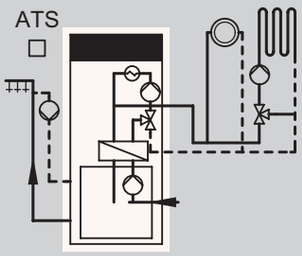
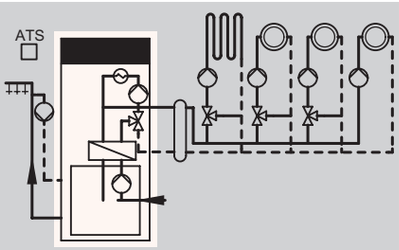
The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 222-F

Gas condensing storage combi boiler with **loading cylinder**
For open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit
ATS  ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For assembly kit with mixer, see Accessories** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
ATS  ■ 1 heating circuit without mixer and external heating circuit pump ■ 1, 2 or 3 heating circuits with mixer ■ With low loss header	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for an external heating circuit pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For assembly kit with mixer, see Accessories** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** The EM-P1 extension is required to connect the DHW circulation pump: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level
- Condensing boiler and loading cylinder (100 litres) with thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (18 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
A connection set or assembly kit **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see the Flue systems price sheet.*

VITODENS 222-F

Gas condensing storage combi boiler with **loading cylinder**
For open flue or room sealed operation
Heating circuit **with** mixer

	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C				MG WJ
			1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019415 **4.286,–** A A	Z019416 **4.411,–** A A	Z019417 **4.527,–** A A		Part no. **Euro**
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019415 **4.286,–** A A	Z019416 **4.411,–** A A	Z019417 **4.527,–** A A		Part no. **Euro**

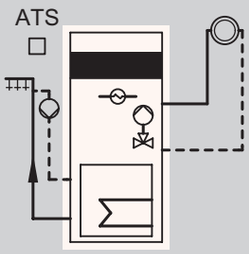
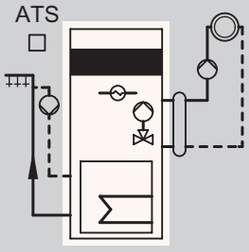
Specification						
Length		595	595	595		mm
Width		600	600	600		mm
Height		1400	1400	1400		mm
Weight		112	112	112		kg
Cylinder capacity		100	100	100		l
Draw-off rate		20.3	23.8	25.9		l/min
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		22.0	28.6	33.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.
Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 222-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil
For open flue or room sealed operation
Heating circuit **without** mixer

Heating system	Control unit
 ■ 1 heating circuit without mixer	**For constant temperature or weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump A room temperature controller is required for room temperature-dependent mode; see Accessories. An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer with low loss header and external heating circuit pump	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension is required for a separate heating circuit without mixer with low loss header (separate heating circuit pump): **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

ViCare VitoGuide

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Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level

- Condensing boiler with DHW cylinder with internal indirect coil (130 litres) and thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (18 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
A connection set or assembly kit **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see the Flue systems price sheet.*

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VITODENS 222-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil
For open flue or room sealed operation
Heating circuit **without** mixer

Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C				MG WJ
		1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3	
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019422 **4.158,–** A A	Z019423 **4.286,–** A A	Z019424 **4.411,–** A A	Z019425 **4.527,–** A A	Part no. **Euro**
7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019422 **4.158,–** A A	Z019423 **4.286,–** A A	Z019424 **4.411,–** A A	Z019425 **4.527,–** A A	Part no. **Euro**

Specification						
Length		595	595	595	595	mm
Width		600	600	600	600	mm
Height		1600	1600	1600	1600	mm
Weight		132	132	132	132	kg
Cylinder capacity		130	130	130	130	l
Draw-off rate		20.7	21.6	20.6	21.8	l/min
Flue gas connection		60	60	60	60	Ø mm
Ventilation air connection		100	100	100	100	Ø mm
DHW output		17.6	22.0	28.6	33.9	kW

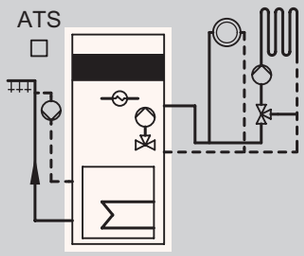
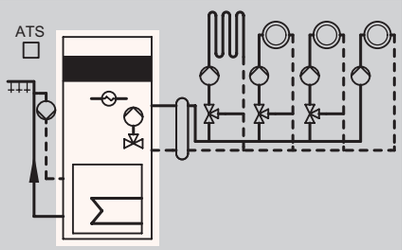
The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.

Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

VITODENS 222-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil
For open flue or room sealed operation
Heating circuit **with** mixer

Heating system	Control unit ViCare VitoGuide
 ■ 1 heating circuit without mixer ■ 1 heating circuit with mixer	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for a DHW circulation pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For assembly kit with mixer, see Accessories** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**
 ■ 1 heating circuit without mixer and external heating circuit pump ■ 1, 2 or 3 heating circuits with mixer ■ With low loss header	**For weather-compensated mode** ■ With 7-inch colour touchscreen ■ Internet and local service connection via integral WiFi interface ■ With connection option for an external heating circuit and DHW circulation pump An extension kit is required for every heating circuit with mixer: **EM-MX mixer extension kit (mixer mounting)** Part no. Z017409 **Euro 572,– MG W** **EM-M1 mixer extension kit (wall mounting)** Part no. Z025981 **Euro 373,– MG W** **For assembly kit with mixer, see Accessories** **Immersion temperature sensor (for low loss header)** Part no. ZK04032 **Euro 106,– MG W** The EM-P1 extension is required to connect the DHW circulation pump: **EM-P1 extension** Part no. Z017411 **Euro 210,– MG W** An outside temperature sensor is required for weather-compensated mode: **Outside temperature sensor** Part no. ZK04306 **Euro 67,– MG W**

Note!
The boilers are preset for natural gas. Conversion within gas groups E/LL is not required. The conversion to LPG is made at the programming unit (a conversion kit is therefore not required).

An EM-EA1 extension (part no. Z017412) is required for connecting an external solenoid valve and for external extractor interlock.

Standard delivery/equipment level
- Condensing boiler with DHW cylinder with internal indirect coil (130 litres) and thermal insulation
- Modulating, fan-assisted premix burner with Lambda Pro Plus
- Control unit with integral WiFi interface
- Expansion vessel (18 litres)
- Refilling device with pipe separator
- Fully plumbed and wired
- Boiler flue connection

Note!
A connection set or assembly kit **must** be added to the order to install the appliances; see Accessories.
► *For the flue system, see the Flue systems price sheet.*

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VITODENS 222-F

Gas condensing storage combi boiler with DHW cylinder with internal indirect coil
For open flue or room sealed operation
Heating circuit **with** mixer

	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG WJ
			1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019422 **4.158,–** A A	Z019423 **4.286,–** A A	Z019424 **4.411,–** A A	Z019425 **4.527,–** A A		Part no. **Euro**
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019422 **4.158,–** A A	Z019423 **4.286,–** A A	Z019424 **4.411,–** A A	Z019425 **4.527,–** A A		Part no. **Euro**

Specification							
Length		595	595	595	595		mm
Width		600	600	600	600		mm
Height		1600	1600	1600	1600		mm
Weight		132	132	132	132		kg
Cylinder capacity		130	130	130	130		l
Draw-off rate		20.7	21.6	20.6	21.8		l/min
Flue gas connection		60	60	60	60		Ø mm
Ventilation air connection		100	100	100	100		Ø mm
DHW output		17.6	22.0	28.6	33.9		kW

The appliances are tested and approved for natural gas and LPG to EN 15502.

Note on draw-off rate!
Details at ΔT 30 K.
Note on LPG!
Different rated heating output when operating with LPG; see technical guides.

Mobile applications and individual room control

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

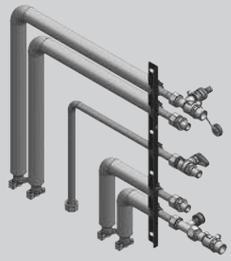
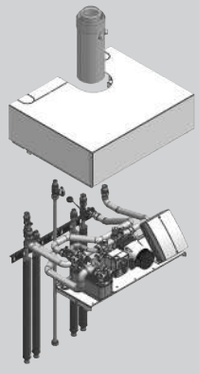
►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module and battery storage systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Accessories		
Hydraulic accessories		MG W
Connection set for surface mounting; upward connection ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve ■ 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½)	ZK04311 **295,–**	Part no. **Euro**
Connection set for surface mounting; connection to the left or right ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve ■ 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½) 	ZK04312 **295,–**	Part no. **Euro**
Connection set for flush mounting ■ Installation template ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve and air vent valve ■ 2 connection pieces for DHW (R ½) ■ Angle gas valve with thermally activated safety shut-off valve (R ¾)	ZK04313 **386,–**	Part no. **Euro**
Assembly kit with mixer for surface mounting Can only be used in conjunction with a weather-compensated control unit. Complete assembly for heat distribution via one heating circuit with mixer and one heating circuit without mixer. ■ Plate heat exchanger for system separation of the heating circuit with mixer ■ **Variable speed high efficiency circulation pump** for the heating circuit with mixer ■ 3-way mixer with mixer motor ■ Mixer PCB, capable of communicating via PlusBus ■ Adjustable bypass ■ Flow temperature sensor ■ Connection set for surface mounting with connections pipes, shut-off valves for heating water flow and return (R ¾), 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½) ■ Balanced flue extension, boiler flue connection ■ Cover with same design as the boiler *Additional installed height 247 mm.* *Maximum transferable heating output of the heating circuit with mixer is 14 kW.* *For further information, see the Vitodens technical guide.* **Note!** In combination with the assembly kit, the appliances have protection class IP X1. 	ZK04324 **2.276,–**	Part no. **Euro**

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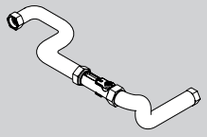
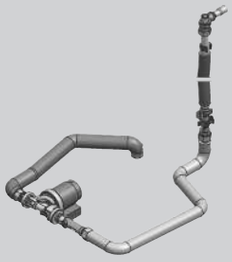
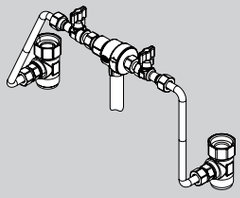
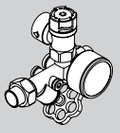
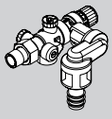
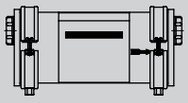
Accessories		
Hydraulic accessories		MG W
Line regulating valve with flow indicator For hydronic balancing of the heating circuits. *For installation in the assembly kit.* 	7452078 **153,–**	Part no. **Euro**
Connection set for DHW circulation pump For installation in the appliance. ■ High efficiency circulation pump ■ Flow regulating valve ■ Pipe assembly with thermal insulation 	ZK04314 **383,–**	Part no. **Euro**
Filling device with pipe separator Can be combined with all connection sets and assembly kit with mixer ■ For surface mounting 	7356492 **98,–**	Part no. **Euro**
Heating circuit		MG W
Contact temperature limiter As a maximum temperature limiter for underfloor heating systems in combination with the assembly kit or sub-mounting kit with mixer. With connecting lead (1.5 m long).	7425493 **131,–**	Part no. **Euro**
Accessories		MG W
Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge 	7219722 **251,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 15) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector *For flush mounting.* 	7351842 **111,–**	Part no. **Euro**

Accessories

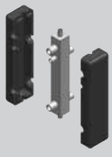
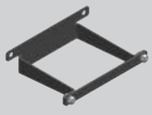
Neutralising systems

		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection	ZK03652 **292,–**	Part no. **Euro**
Neutralising granulate (2.5 kg) Fits neutralising system part no. ZK03652	ZK03654 **91,–**	Part no. **Euro**
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 20 hose connection 	7968318 **270,–**	Part no. **Euro**
Neutralising granulate (2 x 1.3 kg) Can be used with neutralising system part no. 7968318.	7857853 **68,–**	Part no. **Euro** MG E

Condensate removal pumps

		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

Low loss header

		MG W
Low loss header, type Q70 ■ Heating water flow rate up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

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Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024683 **1.312,–**	Z024684 **1.313,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024685 **1.366,–**	Part no. **Euro**
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit.	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

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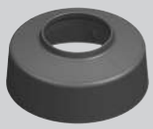
Accessories

Divicon accessories

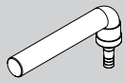
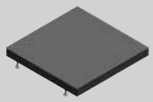
Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	7460649 **343,–**	**–**	Part no. **Euro**	
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well	**–**	7460648 **428,–**	Part no. **Euro**	

Note!
■ When sizing the Divicon heating circuit distributor, observe the technical guides.

Balanced flue system

		MG W
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	7590109 **10,20**	Part no. **Euro**

Miscellaneous

Connection bend (DN 40) For direct connection of the appliance-side condensate pipe to the drain pipe (DN 40) 	7461025 **8,70**	Part no. **Euro** MG WZ
Boiler plinth For siting the appliance on unfinished floors. Height-adjustable, for screed heights of 10 to 18 cm. 	7352259 **153,–**	Part no. **Euro** MG W
Transport aid for storage combi boilers	7425341 **51,–**	Part no. **Euro** MG N
Tool kit For maintenance and service. Can be used for all Viessmann Vitodens, Vitopend, Vitovalor and Vitocaldens. Case with all tools required for maintenance and service: Screwdrivers, extension and inserts.	ZK04569 **88,–**	Part no. **Euro** MG N
Plate heat exchanger flushing system	7373005 **111,–**	Part no. **Euro** MG N

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Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Remote control units		MG W
Vitotrol 200-E Hardwired remote control unit (PlusBus subscriber). With backlit graphic display with plain text. For setting the following functions for one, two, three or up to 4 heating circuits: ■ **Hardwired** communication with the heat generator ■ Time programs for heating circuits and DHW cylinders ■ Comfort functions, e.g. holiday program/holiday at home program ■ Specification of the set DHW temperature and up to 3 set values for the room temperature ■ With integral room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ The display shows the outside temperature, room temperature and operating conditions. If the Vitotrol 200-E is to be used for room temperature hook-up, site the device in a main living room (lead room). Room temperature sensor, part no. 7438537, must be added to the order if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature. *Max. 2 Vitotrol 200-E per heat generator (mixed mode with a Vitotrol 300-E is* **not** *possible).*	Z017415 **288,–**	Part no. **Euro**
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Depending on the connected system: display of room temperature, room humidity, CO_2 level, energy cockpit and support for heating, cooling and ventilation modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Comfort functions such as holiday program ■ Intuitive colour-coded user navigation (Lightguide) *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**

Accessories		
Remote control units		MG Y
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, the Vitotrol 300-E can also be supplied with power via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro**
Sensors		MG W
Outside temperature sensor For fixing to the external wall ■ Colour: white ■ NTC 10 kOhm	ZK04306 **67,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 200-E* *If the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature. ■ With connecting lead and plug.	ZK04032 **106,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the assembly kit with mixer.*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered separately ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Not if using the assembly kit with mixer.*	Z025981 **373,–**	Part no. **Euro**
EM-MX mixer extension kit (for Divicon) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB **including mixer motor** for Divicon ■ Flow temperature sensor as immersion temperature sensor (NTC 10 kOhm) for installation in the Divicon, with connecting lead (0.9 m) with plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017414 **538,–**	Part no. **Euro**
Function extensions		MG W
EM-P1 extension (PlusBus subscriber) Function extension inside enclosure for wall mounting. ■ Connection for heating circuit pump for the heating circuit without mixer ■ Connection for DHW circulation pump ■ Immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Required for e.g. a single heating circuit without mixer with low loss header (separate heating circuit pump).*	Z017411 **210,–**	Part no. **Euro**

Accessories

Function extensions

MG W

EM-EA1 extension
(PlusBus subscriber)
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows **one** of the following functions to be achieved. A **maximum of 3** EM-EA1 extensions can be connected to a heat generator.

- External functions:
  - External set flow temperature 0-10 V
  - Operating mode changeover
  - External demand
  - External blocking
- Fault message input and fault message output
  - Fault message input 230 V (without system blocking)
  - Fault message input 230 V and system blocking
  - Fault message input 24 V and system blocking
  - Connect message facility only
- LPG valve (external)
- Extractor hood (external extractor interlock)

Required for connection of fault messages, e.g. from the condensate removal pump.

Z017412
311,–

Part no.
Euro

Function extension for modernisation

MG W

Replacement set for KM-BUS extension kit with mixer and AM1 function extension
(PlusBus subscriber)
For the replacement of existing KM-BUS extension modules from 1998 onwards.
Comprising:

- ADIO electronics module
- Plug set
- 230 V power cable for extension kit with mixer for mounting (1998-2009)

ZK06006
176,–

Part no.
Euro

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Plug-in power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Plug-in power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted.	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired.	ZK04974 **21,–**	Part no. **Euro**

Notes!
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

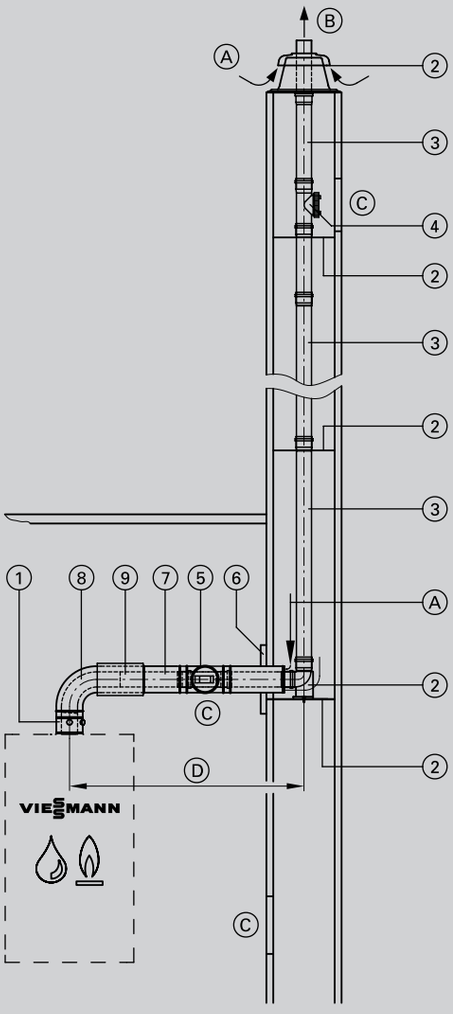
►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).
- Fire rating of 30 minutes (F30/L30) in low buildings.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece

	System size	60/100	80/125	110/150		Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)		–			
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		–		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	–	7373247 **72,–**			Part no. **Euro**
②	**Standard shaft pack** (PPs, rigid) ■ Support bend. ■ Support rail. ■ Shaft cover (PPs). ■ Spacers (5 pce). or	7373211 **119,–**	7194305 **128,–**	7247534 **174,–**		Part no. **Euro**
	Standard shaft pack (metal/PPs, rigid) For twin flue chimneys (one flue for solid fuel boilers). ■ Support bend. ■ Support rail. ■ Shaft cover (metal). ■ Terminal pipe (stainless steel). ■ Spacers (5 pce).	7502679 **174,–**	7502680 **199,–**	7502681 **251,–**		Part no. **Euro**

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Flue systems, room sealed

Made from plastic (PPs)
With rigid flue pipe

Balanced flue system For room sealed operation (type C_{93x} according to CEN/TR 1749) CE approval to EN 14471						MG WZ
	Spacers (3 pce)	7176729 **13,90**	7147033 **24,–**	7339873 **25,–**		Part no. **Euro**
	System size	**60/100**	**80/125**	**110/150**		**Ø mm**
③	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7373213 **42,–**	7194309 **78,–**	7247554 **102,–**		Part no. **Euro**
	Pipe 1.95 m long	7373212 **24,–**	7194308 **42,–**	7247555 **63,–**		Part no. **Euro**
	Pipe 1 m long	7373214 **12,60**	7194310 **25,–**	7247556 **42,–**		Part no. **Euro**
	Pipe 0.5 m long	7373215 **7,50**	7194311 **21,–**	7247557 **37,–**		Part no. **Euro**
	Bend 30° (2 pce)	7373220 **23,–**	7194316 **24,–**	7247562 **36,–**		Part no. **Euro**
	Bend 15° (2 pce)	7373221 **23,–**	7194317 **24,–**	7247563 **36,–**		Part no. **Euro**
④	**Inspection piece** Straight	7373216 **24,–**	7194312 **29,–**	7247558 **46,–**		Part no. **Euro**
⑤	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**		Part no. **Euro**
⑥	**Wall bezel**	7176760 **6,50**	7176662 **21,–**	7176681 **23,–**		Part no. **Euro**
⑦	**Balanced flue pipe** 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**		Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**		Part no. **Euro**
⑧	**Balanced flue bend** 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**		Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	7247540 **128,–**		Part no. **Euro**
	or					
	Balanced flue inspection tee 87°		–	7247542 **128,–**		Part no. **Euro**
	Balanced flue inspection bend 87°	7373229 **71,–**	7199782 **92,–**	–		Part no. **Euro**

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Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

	System size	60/100	80/125	110/150		MG WZ
		Ø mm				
⑨	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**		Part no. **Euro**
	Fixing clamp, white (balanced flue pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**		Part no. **Euro**
	Stainless steel extension For shaft cover 380 mm long (metal/PPs, rigid)	7502599 **45,–**	7373278 **93,–**	7373493 **77,–**		Part no. **Euro**

Gaskets

System size	80/125	110/150	MG WZ
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**
Inspection cover lip seal for inspection bend and balanced flue inspection piece 80/125 made from FPM 2 pce	ZK02501 **14,–**	**–**	Part no. **Euro**

Flue systems, room sealed

Made from plastic (PPs)
With rigid flue pipe

Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W								
Rated heating output		19.0	25.0					kW
Balanced flue connection		60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		20 25	20 25					m m
Vitodens 100-W, 111-W, 111-F								
Rated heating output		19.0	25.0	32.0				kW
Balanced flue connection		60/100	60/100	60/100				Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		20 30	20 30	20 30				m m
Vitodens 200-W up to 32 kW, 222-W, 222-F								
Rated heating output	11.0	19.0	25.0	32.0				kW
Balanced flue connection	60/100	60/100	60/100	60/100				Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	30 30	30 30	30 30	30 30				m m
Vitodens 200-W from 49 kW								
Rated heating output	49.0	60.0	80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125	110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	20 25	15 20	— 20	— 20	— 8	— 5		m m

Vitocrossal

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitocrossal 300								
Rated heating output	26.0	35.0	45.0	60.0				kW
Balanced flue connection	80/125	80/125	110/150	110/150				Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	20 —	20 —	— 25	— 25				m m

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Balanced flue system
For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

Vitorondens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T (type C_{93} to CEN/TR 1749)								
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7		kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 15 —	 18 —	 18 —	 22 —	 — 22	 — 22		 m m

Notes!
- Observe the specifications in the technical guide.
- A balanced flue connection pipe (1 m long) and the following combination of bends are taken into account in the maximum total length of the flue. One 87° balanced flue bend and one 87° support bend or two 45° balanced flue bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

Flue systems, room sealed

Made from plastic (PPs)
With flexible flue pipe

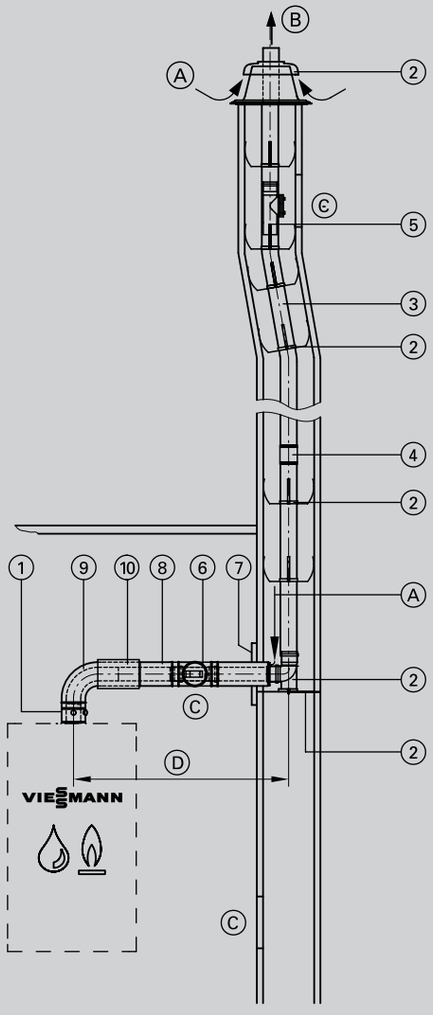
Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).
- Fire rating of 30 minutes (F30/L30) in low buildings.

The flexible flue pipe must only be routed **vertically**.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece

	System size	60/100	80/125	110/150	Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)				
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–	Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		–	Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	–	7373247 **72,–**		Part no. **Euro**
②	**Standard shaft pack** (PPs, flexible) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7248206 **212,–**	7248213 **229,–**	7248220 **295,–**	Part no. **Euro**
	or				
	Standard shaft pack (metal/PPs, flexible) For twin flue chimneys (one flue for solid fuel boilers). ■ Support bend ■ Support rail ■ Shaft cover (metal) ■ Terminal pipe (stainless steel) ■ Spacers (5 pce)	7452173 **416,–**	7452179 **442,–**	7452180 **464,–**	Part no. **Euro**
	Spacers (5 pce)	7190560 **54,–**	7147035 **51,–**	7189817 **39,–**	Part no. **Euro**
③	**Flexible pipe** On a roll, 12.5 m long.	7248208 **529,–**	7248216 **656,–**	7248222 **807,–**	Part no. **Euro**
	Flexible pipe On a roll, 25 m long.	7248207 **1.040,–**	7248215 **1.324,–**	7248221 **1.598,–**	Part no. **Euro**
④	**Connection piece** For connecting residual lengths of the flexible flue pipe.	7248211 **102,–**	7248219 **102,–**	7248225 **258,–**	Part no. **Euro**
	Pipe lowering attachment Incl. 25 m rope.	7248212 **88,–**	7248214 **88,–**	7248226 **113,–**	Part no. **Euro**
⑤	**Inspection piece**, straight For installation in the flexible flue pipe.	7248210 **135,–**	7248218 **173,–**	7248224 **300,–**	Part no. **Euro**

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Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

MG WZ

	System size	60/100	80/125	110/150	Ø mm
⑥	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**	Part no. **Euro**
⑦	**Wall bezel**	7176760 **6,50**	7176662 **21,–**	7176681 **23,–**	Part no. **Euro**
⑧	**Balanced flue pipe** 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**	Part no. **Euro**
⑨	**Balanced flue bend** 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	7247540 **128,–**	Part no. **Euro**
	or				
	Balanced flue inspection tee 87°		–	7247542 **128,–**	Part no. **Euro**
	Balanced flue inspection bend 87°	7373229 **71,–**	7199782 **92,–**	–	Part no. **Euro**
⑩	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**	Part no. **Euro**
	Fixing clamp, white (balanced flue pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**	Part no. **Euro**
	Stainless steel extension For shaft cover 380 mm long (metal/PPs, rigid)	7502599 **45,–**	7373278 **93,–**	7373493 **77,–**	Part no. **Euro**

Gaskets

MG 0

System size	80/125	110/150	
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**
Inspection cover lip seal for inspection bend and balanced flue inspection piece 80/125 made from FPM 2 pce	ZK02501 **14,–**	–	Part no. **Euro**

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Flue systems, room sealed

Made from plastic (PPs)
With flexible flue pipe

Balanced flue system

For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output		19.0	25.0						kW
Balanced flue connection		60/100	60/100						Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		10 15	10 15						m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		10 15	10 15	10 15					m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	20 17 30	17 17 30	17 16 30	18 8 30	(Vitodens 200-W system) (Vitodens 200-W combi) (Vitodens 222-W, 222-F)				m m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	20 22	15 17		— 20	— 20	— 8	— 5		m m

Vitocrossal

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitocrossal 300								
Rated heating output			26.0	35.0	45.0	60.0		kW
Balanced flue connection			80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150			18 —	18 —	— 22	— 22		m m

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Balanced flue system
For room sealed operation (type C_{93x} according to CEN/TR 1749)
CE approval to EN 14471

Vitorondens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T (type C_{93} to CEN/TR 1749)								
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7		kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 13 —	 16 —	 16 —	 20 —	 — 20	 — 20		 m m

Notes!
- Observe the specifications in the technical guide.
- A balanced flue connection pipe (1 m long) and the following combination of bends are taken into account in the maximum total length of the flue. One 87° balanced flue bend and one 87° support bend or two 45° balanced flue bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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Flue systems, room sealed

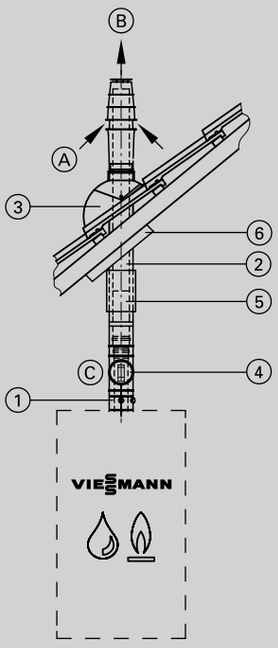
Made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{33x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For vertical roof outlets when the appliance is installed in the roof space.
Together with the appliance, the flue system has been tested and CE designated as one structural unit in accordance with DVGW-VP 113. Only this flue system may be used together with the appliance.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port

	System size	60/100	80/125	110/150		Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)		–			
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		–		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	–	7373247 **72,–**			Part no. **Euro**
②	**Balanced flue roof outlet** Colour: **black**. With fixing clamp.	7373230 **151,–**	7373271 **187,–**	7373249 **276,–**		Part no. **Euro**
	Balanced flue roof outlet Colour: **terracotta**. With fixing clamp.	7373231 **151,–**	7373272 **339,–**	7373250 **276,–**		Part no. **Euro**
	Above roof extension Colour: **black**, 0.5 m long.	7311367 **69,–**	7311371 **56,–**	7373251 **130,–**		Part no. **Euro**
	Above roof extension Colour: **black**, 1.0 m long. With tensioning clamp.	7311369 **91,–**	7311373 **99,–**	–		Part no. **Euro**
	Above roof extension Colour: **terracotta**, 0.5 m long.	7311368 **69,–**	7311372 **56,–**	7373252 **130,–**		Part no. **Euro**
	Above roof extension Colour: **terracotta**, 1.0 m long. With tensioning clamp.	7311370 **91,–**	7311376 **99,–**	–		Part no. **Euro**

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Balanced flue system
For room sealed operation (type C_{33x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150		Ø mm
③	**Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7452499 **71,–**		7452501 **102,–**		Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	7452500 **71,–**		7452502 **102,–**		Part no. **Euro**
	or					
	Flat roof collar	7426187 **40,–**		7426529 **58,–**		Part no. **Euro**
	or					
	Pipe outlet for Klöber roof tiles Colour: **black**. The corresponding Klöber roof tile is to be provided on site.	7174281 **69,–**		**–**		Part no. **Euro**
	Pipe outlet for Klöber roof tiles Colour: **terracotta**. The corresponding Klöber roof tile is to be provided on site.	7174279 **69,–**		**–**		Part no. **Euro**
④	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**		Part no. **Euro**
⑤	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**		Part no. **Euro**
⑥	**Universal cover plate**	**–**	ZK02890 **58,–**	ZK02891 **61,–**		Part no. **Euro**

4.10

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Flue systems, room sealed

Made from plastic (PPs)

4.10

Balanced flue system

For room sealed operation (type C_{33x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150		Ø mm
	Balanced flue bend 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**		Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	7247540 **128,–**		Part no. **Euro**
	Balanced flue pipe 1.95 m long	7373225 **92,–**	7194322 **102,–**	7247538 **213,–**		Part no. **Euro**
	Balanced flue pipe 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**		Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**		Part no. **Euro**
	Fixing clamp, white (balanced flue pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**		Part no. **Euro**

Gaskets

MG 0

System size	80/125	110/150	
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**
Inspection cover lip seal for inspection bend and balanced flue inspection piece 80/125 made from FPM 2 pce	ZK02501 **14,–**	**–**	Part no. **Euro**

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Balanced flue system
For room sealed operation (type C_{33x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitodens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output		19.0	25.0						kW
Balanced flue connection		60/100	60/100						Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		 10 13	 10 13						 m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		 20 30	 20 30	 20 30					 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	 30 30	 30 30	 30 30	 30 16 30	 (Vitodens 200-W system) (Vitodens 200-W combi, 222-W, 222-F)				 m m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 10 13	 6 9		 — 15	 — 15	 — 8	 — 5		 m m

Vitocrossal
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitocrossal 300								
Rated heating output			26.0	35.0	45.0	60.0		kW
Balanced flue connection			80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150			 15 —	 15 —	 — 15	 — 15		 m m

4.10

Flue systems, room sealed

Made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{33x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitorondens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T (type C_{33} to CEN/TR 1749)								
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7		kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 6 —	 9 —	 10 —	 10 —	 — 10	 — 10		 m m

4.10

Notes!

- Observe the specifications in the technical guide.
- Two 87° balanced flue bends are taken into consideration for the maximum total length of the flue.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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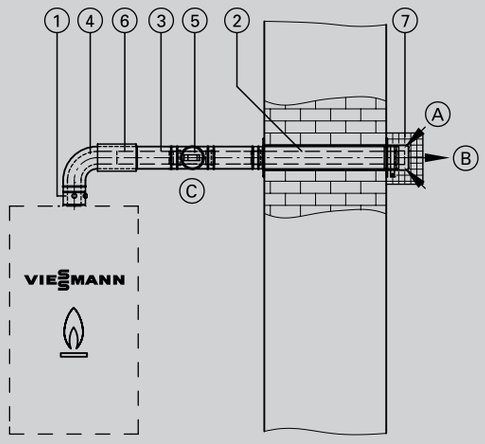
Balanced flue system

For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For external wall connection.
Together with the appliance, the flue system has been tested and CE designated as one structural unit in accordance with DVGW-VP 113. Only this flue system may be used together with the appliance.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port

System size	60/100	80/125	110/150		Ø mm
① **Boiler flue connection** (Part of the standard boiler delivery)	–				
Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–		Part no. **Euro**
Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		–		Part no. **Euro**
Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	–	7373247 **72,–**			Part no. **Euro**
② **Balanced flue external wall connection** (incl. wall bezels)	7373232 **82,–**	7435861 **106,–**	7247544 **125,–**		Part no. **Euro**
Balanced flue external wall connection ■ Balanced flue external wall connection with wall bezels ■ Balanced flue bend 87°	7373237 **170,–**	7435862 **190,–**	ZK05952 **259,–**		Part no. **Euro**

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Flue systems, room sealed

For Vitodens made from plastic (PPs)

Balanced flue system
For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150		Ø mm
③	**Balanced flue pipe** 1.95 m long	7373225 **92,–**	7194322 **102,–**	7247538 **213,–**		Part no. **Euro**
	Balanced flue pipe 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**		Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**		Part no. **Euro**
④	**Balanced flue bend** 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**		Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	7247540 **128,–**		Part no. **Euro**
	or					
	Balanced flue inspection bend 87°	7373229 **71,–**	7199782 **92,–**	**–**		Part no. **Euro**
	Balanced flue inspection tee	**–**	**–**	7247542 **128,–**		Part no. **Euro**
⑤	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**		Part no. **Euro**
⑥	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**		Part no. **Euro**
⑦	**Grille** Where the flue gas outlet is near public paths.					Part no. **Euro**
	Fixing clamp, white (balanced flue pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**		Part no. **Euro**

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Balanced flue system

For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output		19.0	25.0						kW
Balanced flue connection		60/100	60/100						Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		 10 13	 10 13						 m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		 20 30	 20 30	 20 30					 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	 30 30	 30 30	 30 30	 30 16 30	 (Vitodens 200-W system) (Vitodens 200-W combi, 222-W, 222-F, 242-F)				 m m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 10 13	 6 9		 — 15	 — 15	 — 8	 — 5		 m m

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Flue systems, room sealed

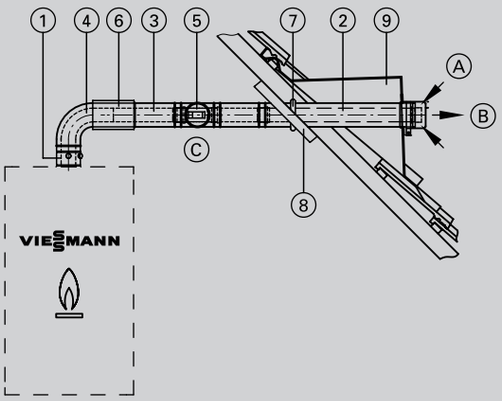
For Vitodens made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For horizontal roof outlets when the appliance is installed in the roof space.
Together with the appliance, the flue system has been tested and CE designated as one structural unit in accordance with DVGW-VP 113. Only this flue system may be used together with the appliance.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port

	System size	60/100	80/125	110/150		Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)					
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		**–**		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		**–**		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	**–**	7373247 **72,–**			Part no. **Euro**
②	**Balanced flue external wall connection** (incl. wall bezels)	7373232 **82,–**	7435861 **106,–**	7247544 **125,–**		Part no. **Euro**
	Balanced flue external wall connection ■ Balanced flue external wall connection with wall bezels ■ Balanced flue bend 87°	7373237 **170,–**	**–**			Part no. **Euro**
③	**Balanced flue pipe** 1.95 m long	7373225 **92,–**	7194322 **102,–**	7247538 **213,–**		Part no. **Euro**
	Balanced flue pipe 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**		Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**		Part no. **Euro**

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Balanced flue system
For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150		Ø mm
④	**Balanced flue bend** 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**		Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	7247540 **128,–**		Part no. **Euro**
	or					
	Balanced flue inspection bend 87°	7373229 **71,–**	7199782 **92,–**	**–**		Part no. **Euro**
⑤	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**		Part no. **Euro**
⑥	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**		Part no. **Euro**
⑦	**Universal cover plate**	ZK02889 **54,–**	ZK02890 **58,–**	ZK02891 **61,–**		Part no. **Euro**
⑧	**Fixing clamp**, white (balanced flue pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**		Part no. **Euro**
⑨	**Roof dormer for horizontal roof outlet** To be provided on site. Make: Interactive; available from local suppliers.					

Flue systems, room sealed

For Vitodens made from plastic (PPs)

Balanced flue system
For room sealed operation (type C_{13x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output		19.0	25.0						kW
Balanced flue connection		60/100	60/100						Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		10 13	10 13						m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		20 30	20 30	20 30					m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	30 30	30 30	30 30	30 16 30	(Vitodens 200-W system) (Vitodens 200-W combi, 222-W, 222-F)				m m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	10 13	6 9		— 15	— 15	— 8	— 5		m m

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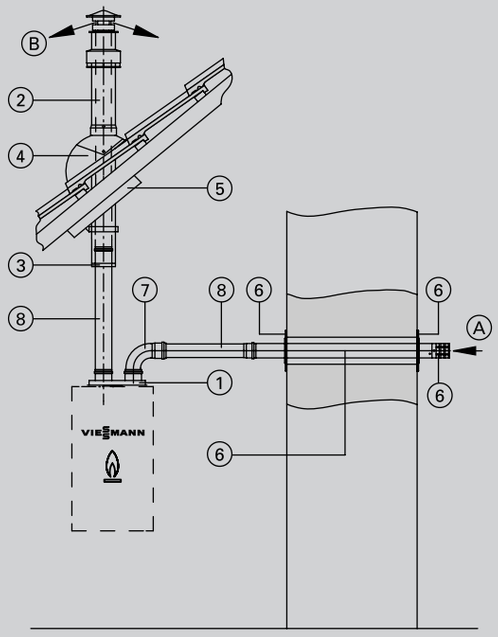
Balanced flue system
For room sealed operation
Parallel ventilation air and flue gas routing

MG WZ

Parallel ventilation air and flue gas routing



Ⓐ Flue gas
Ⓑ Ventilation air

	System size	60	80	Ø mm
①	**Parallel adaptor Ø 60/100 mm - Ø 60/60 mm** For separate routing of flue gas and ventilation air Parallel adaptors are not required for Vitodens 200-W/222-W	7418011 **41,–**	**–**	Part no. **Euro**
	Parallel adaptor Ø 80/125 mm - Ø 80/80 mm For separate routing of flue gas and ventilation air	**–**	7418012 **41,–**	Part no. **Euro**
	Ventilation air cover, boiler flue connection	7519084 **6,40**	**–**	Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 60 mm to Ø 80 mm	7373338 **9,–**		Part no. **Euro**
②	**Balanced flue roof outlet** Colour: **black**. With fixing clamp.	7373230 **151,–**	7373271 **187,–**	Part no. **Euro**
	Balanced flue roof outlet Colour: **terracotta**. With fixing clamp.	7373231 **151,–**	7373272 **339,–**	Part no. **Euro**
③	**Cover for balanced flue roof outlet**	7426185 **21,–**	7426186 **23,–**	Part no. **Euro**
④	**Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7452499 **71,–**		Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	7452500 **71,–**		Part no. **Euro**
	or			
	Flat roof collar	7426187 **40,–**		Part no. **Euro**
⑤	**Universal cover plate**	ZK02889 **54,–**	ZK02890 **58,–**	Part no. **Euro**
⑥	**External wall connection** (incl. wall bezels and grille)	7426188 **82,–**	7426189 **82,–**	Part no. **Euro**
⑦	**Bend** 87°	7373218 **12,60**	7194314 **12,60**	Part no. **Euro**
	Bend 45° (2 pce)	7373219 **21,–**	7194315 **24,–**	Part no. **Euro**

Flue systems, room sealed

For Vitodens
Made from plastic (PPs)

Balanced flue system
For room sealed operation
Parallel ventilation air and flue gas routing

MG WZ

	System size	60	80	Ø mm
⑧	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7373213 **42,–**	7194309 **78,–**	Part no. **Euro**
	Pipe 1.95 m long	7373212 **24,–**	7194308 **42,–**	Part no. **Euro**
	Pipe 1 m long	7373214 **12,60**	7194310 **25,–**	Part no. **Euro**
	Pipe 0.5 m long	7373215 **7,50**	7194311 **21,–**	Part no. **Euro**

4.10

Vitodens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W						
Rated heating output		19.0	25.0			kW
Balanced flue connection		60/100	60/100			Ø mm
Max. total length for system size 60/60: ■ Flue gas ■ Ventilation air		 20 20	 20 20			 m m
Max. total length for system size 80/80: ■ Flue gas ■ Ventilation air		 25 25	 25 25			 m m
Vitodens 100-W, 111-W, 111-F						
Rated heating output		19.0	25.0	32.0		kW
Balanced flue connection		60/100	60/100	60/100		Ø mm
Max. total length for system size 60/60: ■ Flue gas ■ Ventilation air		 30 30	 30 30	 30 30		 m m
Max. total length for system size 80/80: ■ Flue gas ■ Ventilation air		 30 30	 30 30	 30 30		 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F						
Rated heating output	11.0	19.0	25.0	32.0		kW
Balanced flue connection	60/100	60/100	60/100	60/100		Ø mm
Max. total length for system size 60/60: ■ Flue gas ■ Ventilation air	 30 20	 30 20	 30 20	 30 10 20	 (Vitodens 200-W system) (Vitodens 200-W combi, 222-W, 222-F, 242-F)	 m m m
Max. total length for system size 80/80: ■ Flue gas ■ Ventilation air	 30 25	 30 25	 30 25	 30 25		 m m

Notes!
- Observe the specifications in the technical guide.
- Two 87° balanced flue bends are taken into consideration for the maximum total length of the flue.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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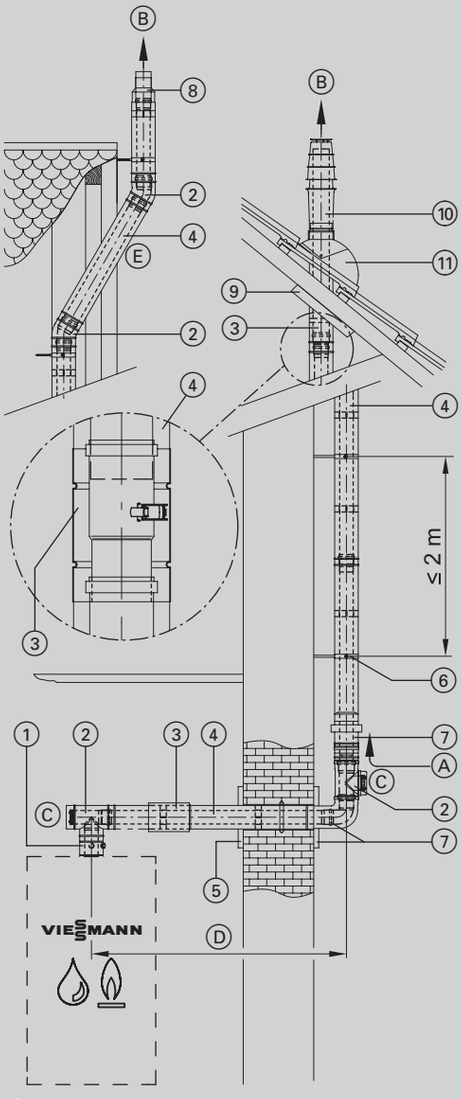
Balanced flue system

For room sealed operation (type C_{53x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For external routing through a coaxial pipe.
Combustion air intake via ventilation slot in the external wall base or balanced flue air inlet piece; the external pipe is only a protective measure.
Together with the appliance, the flue system has been tested and CE designated as one structural unit in accordance with DVGW-VP 113. Only this flue system may be used together with the appliance.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece
Ⓔ Elbow in the external routing

	System size	60/100	80/125	110/150	Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)				
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–	Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		–	Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 80/125 mm to 110/150 mm	–	7373247 **72,–**		Part no. **Euro**
②	**Balanced flue inspection tee** 87°		–	7247542 **128,–**	Part no. **Euro**
	Balanced flue inspection bend 87°	7373229 **71,–**	7199782 **92,–**	–	Part no. **Euro**
	or				
	Balanced flue inspection piece Straight For external wall routing	ZK05948 **71,–**	7199781 **72,–**	7247541 **111,–**	Part no. **Euro**
	Balanced flue bend 87°	7373226 **41,–**	7194323 **65,–**	ZK05949 **99,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce) For external wall routing	7373227 **73,–**	7194324 **100,–**	–	Part no. **Euro**
	Balanced flue bend 30° (2 pce)	ZK01293 **91,–**	ZK01291 **117,–**	–	Part no. **Euro**
	External wall inspection piece Straight		–	7247547 **145,–**	Part no. **Euro**
	and				
	External wall bend 87°		–	ZK05950 **108,–**	Part no. **Euro**
	External wall bend 45° (2 pce)		–	7247549 **145,–**	Part no. **Euro**
	External wall bend 30° (2 pce)		–	ZK01292 **173,–**	Part no. **Euro**
③	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	7247543 **63,–**	Part no. **Euro**

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Flue systems, room sealed

Made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{53x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150	Ø mm
④	**Balanced flue pipe** 1.95 m long	7373225 **92,–**	7194322 **102,–**	7247538 **213,–**	Part no. **Euro**
	Balanced flue pipe 1 m long	7373224 **49,–**	7194321 **61,–**	7247537 **88,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long For external wall routing	7373223 **34,–**	7194320 **46,–**	7247536 **73,–**	Part no. **Euro**
	External wall pipe 1.95 m long	–		7247552 **146,–**	Part no. **Euro**
	External wall pipe 1.0 m long	–		7247551 **88,–**	Part no. **Euro**
	External wall pipe 0.5 m long	–		7247550 **83,–**	Part no. **Euro**
⑤	**Wall bezel**	7176760 **6,50**	7176662 **21,–**	7176681 **23,–**	Part no. **Euro**
⑥	**Fixing clamp**, white (balanced flue and external wall pipe)	ZK05945 **14,–**	ZK05946 **14,–**	ZK05947 **21,–**	Part no. **Euro**
⑦	**External wall pack** ■ Balanced flue bend. ■ Balanced flue air inlet piece. ■ Wall bezel.	7373234 **186,–**	7194327 **176,–**	ZK05951 **245,–**	Part no. **Euro**
⑧	**External wall terminal** For a short roof overhang.	7176753 **20,–**	7176655 **34,–**	7176690 **41,–**	Part no. **Euro**
⑨	**Universal cover plate**	ZK02889 **54,–**	ZK02890 **58,–**	ZK02891 **61,–**	Part no. **Euro**
⑩	**Balanced flue roof outlet** Colour: **black**. With fixing clamp.	7373230 **151,–**	7373271 **187,–**	7373249 **276,–**	Part no. **Euro**
	Balanced flue roof outlet Colour: **terracotta**. With fixing clamp.	7373231 **151,–**	7373272 **339,–**	7373250 **276,–**	Part no. **Euro**
	Above roof extension Colour: **black**, 0.5 m long.	7311367 **69,–**	7311371 **56,–**	7373251 **130,–**	Part no. **Euro**
	Above roof extension Colour: **black**, 1.0 m long. With tensioning clamp.	7311369 **91,–**	7311373 **99,–**	–	Part no. **Euro**
	Above roof extension Colour: **terracotta**, 0.5 m long.	7311368 **69,–**	7311372 **56,–**	7373252 **130,–**	Part no. **Euro**
	Above roof extension Colour: **terracotta**, 1.0 m long. With tensioning clamp.	7311370 **91,–**	7311376 **99,–**	–	Part no. **Euro**

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Balanced flue system

For room sealed operation (type C_{53x} according to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

	System size	60/100	80/125	110/150	Ø mm
	⑪ **Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7452499 **71,–**		7452501 **102,–**	Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	7452500 **71,–**		7452502 **102,–**	Part no. **Euro**
	or				
	Pipe outlet for Klöber roof tiles Colour: **black**. The corresponding Klöber roof tile is to be provided on site.	7174281 **69,–**		**–**	Part no. **Euro**
	Pipe outlet for Klöber roof tiles Colour: **terracotta**. The corresponding Klöber roof tile is to be provided on site.	7174279 **69,–**		**–**	Part no. **Euro**

Gaskets

System size	80/125	110/150	MG 0
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**
Inspection cover lip seal for inspection bend and balanced flue inspection piece 80/125 made from FPM 2 pce	ZK02501 **14,–**	**–**	Part no. **Euro**

Flue systems, room sealed

Made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{53x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output		19.0	25.0						kW
Balanced flue connection		60/100	60/100						Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		20 25	20 25						m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		20 30	20 30	20 30					m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	30 30	30 30	30 30	30 30					m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	12 17	12 17		— 20	— 20	— 18	— 15		m m

Vitocrossal

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitocrossal 300								
Rated heating output			26.0	35.0	45.0	60.0		kW
Balanced flue connection			80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150			15 —	15 —	— 15	— 15		m m

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Balanced flue system
For room sealed operation (type C_{53x} according to CEN/TR 1749)
CE approval to DIN EN 14471

Vitorondens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T (type C_{53} to CEN/TR 1749)								
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7		kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80/125 ■ System size 110/150	 10 —	 12 —	 15 —	 22 —	 — 22	 — 22		 m m

Notes!
- Observe the specifications in the technical guide.
- Two 87° balanced flue bends are taken into consideration for the maximum total length of the flue.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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Flue systems, room sealed

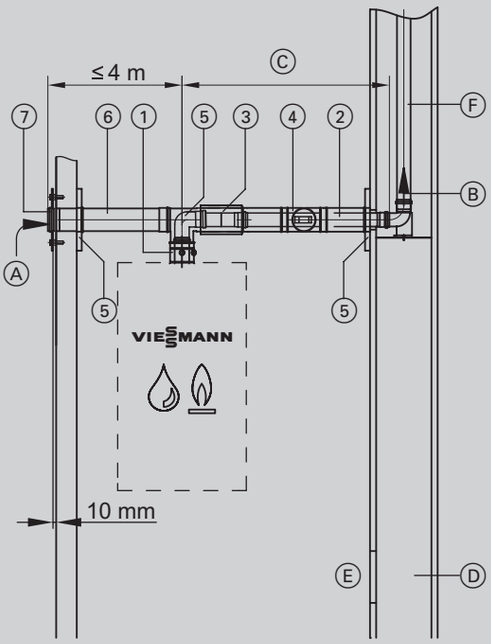
For appliances up to 60 kW
Made from plastic (PPs)

Balanced flue system

For room sealed operation (type C_{83x} according to CEN/TR 1749)
CE approval to EN 14471

MG WZ

Separate ventilation air and flue gas routing.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece
Ⓔ Ventilation aperture
Ⓕ Shaft F90 or F30
Ⓖ Flue pipe

	System size	60/110	80/125	Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)			
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		Part no. **Euro**
	Balanced flue adaptor For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**		Part no. **Euro**
②	**Balanced flue pipe** 1 m long	7373224 **49,–**	7194321 **61,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long	7373223 **34,–**	7194320 **46,–**	Part no. **Euro**
	Balanced flue bend 87°	7373226 **41,–**	7194323 **65,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7373227 **73,–**	7194324 **100,–**	Part no. **Euro**
③	**Balanced flue slide coupling**	7373236 **45,–**	7194329 **38,–**	Part no. **Euro**
④	**Balanced flue inspection piece** Straight	ZK05948 **71,–**	7199781 **72,–**	Part no. **Euro**
⑤	**Balanced flue tee C8** With wall bezels.	7373235 **69,–**	7194328 **92,–**	Part no. **Euro**
⑥	**Ventilation air pipe** Ø 100 mm 1 m long (can be trimmed to size).	7176756 **29,–**		Part no. **Euro**
	Ventilation air pipe Ø 100 mm 0.5 m long (can be trimmed to size).	7176757 **24,–**		Part no. **Euro**
	Ventilation air elbow Ø 100 mm, 87°	7176758 **24,–**		Part no. **Euro**
	Ventilation air elbow Ø 100 mm, 45°	7176759 **46,–**		Part no. **Euro**
⑦	**Ventilation air damper**	7176657 **13,90**		Part no. **Euro**
	Fixing clamp, white	ZK05945 **14,–**	ZK05946 **14,–**	Part no. **Euro**

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Balanced flue system

For room sealed operation (type C_{83x} according to CEN/TR 1749)
CE approval to EN 14471

Gaskets

System size	80/125	MG WZ
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.		
Lip seal made from FPM 2 pce	ZK02505 **15,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	Part no. **Euro**
Inspection cover lip seal for inspection bend and balanced flue inspection piece 80/125 made from FPM 2 pce	ZK02501 **14,–**	Part no. **Euro**

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W						
Rated heating output		19.0	25.0			
Balanced flue connection		60/100	60/100			
Max. total length: ■ System size 60/100 ■ System size 80/125		 20 25	 20 25			
Vitodens 100-W, 111-W, 111-F						
Rated heating output		19.0	25.0	32.0		kW
Balanced flue connection		60/100	60/100	60/100		Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125		 20 30	 20 30	 20 30		 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F						
Rated heating output	11.0	19.0	25.0	32.0		kW
Balanced flue connection	60/100	60/100	60/100	60/100		Ø mm
Max. total length: ■ System size 60/100 ■ System size 80/125	 30 30	 30 30	 30 30	 30 28 30	 (Vitodens 200-W system) (Vitodens 200-W combi, 222-W, 222-F)	 m m m
Vitodens 200-W from 49 kW						
Rated heating output	49.0	60.0				kW
Balanced flue connection	80/125	80/125				Ø mm
Max. total length: ■ System size 80/125	20	15				m

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Flue systems, room sealed

For appliances up to 60 kW
Made from plastic (PPs)

Balanced flue system
For room sealed operation (type C_{83x} according to CEN/TR 1749)
CE approval to EN 14471

Notes!
- Observe the specifications in the technical guide.
- A balanced flue connection pipe (1 m long) and the following combination of bends are taken into account in the maximum total length of the flue. One 87° balanced flue bend and one 87° support bend or two 45° balanced flue bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

Adaptor to system 70/110

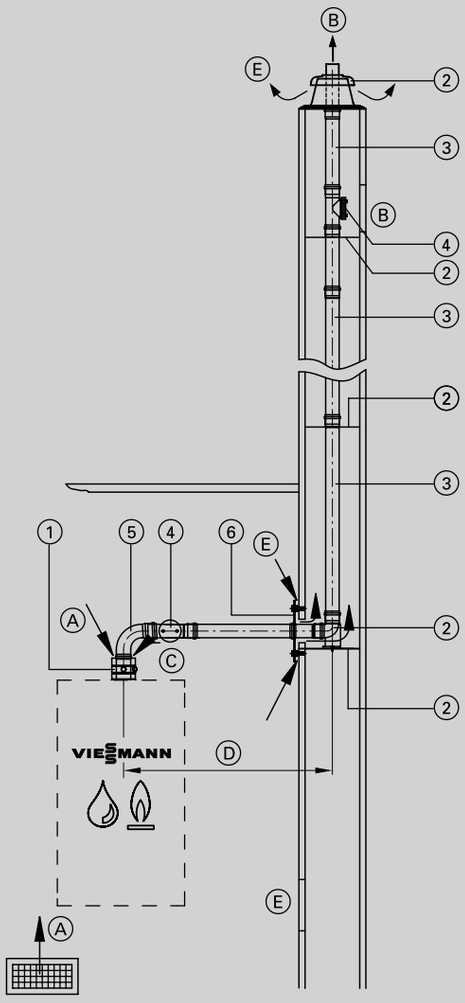
System pipes

		MG WZ
Balanced flue adaptor For reducing the cross-section from Ø 80/125 mm to Ø 70/110 mm	7176767 **51,–**	Part no. **Euro**
Balanced flue adaptor For expanding the cross-section from Ø 70/110 mm to Ø 80/125 mm	7373246 **51,–**	Part no. **Euro**
Balanced flue adaptor For expanding the cross-section from Ø 60/100 mm to Ø 70/110 mm	7199783 **67,–**	Part no. **Euro**

Flue system for open flue operation (type B_{23}/B_{33} to CEN/TR 1749)
CE approval to EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).
- Fire rating of 30 minutes (F30/L30) in low buildings.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece
Ⓔ Ventilation aperture

	System size	60	80	110		Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)					
	Adaptor For expanding the cross-section from Ø 60 mm to Ø 80 mm	7373338 **9,–**		–		Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 80 mm to Ø 110 mm	–	7373248 **29,–**			Part no. **Euro**
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–		Part no. **Euro**
	Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation.	7590109 **10,20**		–		Part no. **Euro**

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Flue systems, open flue

Made from plastic (PPs)
With rigid flue pipe

Flue system for open flue operation (type B_{23}/B_{33} to CEN/TR 1749)
CE approval to EN 14471

MG WZ

	System size	60	80	110		Ø mm
②	**Standard shaft pack** (PPs, rigid) ■ Support bend. ■ Support rail. ■ Shaft cover (PPs). ■ Spacers (5 pce). or	7373211 **119,–**	7194305 **128,–**	7247534 **174,–**		Part no. **Euro**
	Standard shaft pack (metal/PPs, rigid) For twin flue chimneys (one flue for solid fuel boilers). ■ Support bend. ■ Support rail. ■ Shaft cover (metal). ■ Terminal pipe (stainless steel). ■ Spacers (5 pce).	7502679 **174,–**	7502680 **199,–**	7502681 **251,–**		Part no. **Euro**
	Spacers (3 pce)	7176729 **13,90**	7147033 **24,–**	7339873 **25,–**		Part no. **Euro**
③	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7373213 **42,–**	7194309 **78,–**	7247554 **102,–**		Part no. **Euro**
	Pipe 1.95 m long	7373212 **24,–**	7194308 **42,–**	7247555 **63,–**		Part no. **Euro**
	Pipe 1 m long	7373214 **12,60**	7194310 **25,–**	7247556 **42,–**		Part no. **Euro**
	Pipe 0.5 m long	7373215 **7,50**	7194311 **21,–**	7247557 **37,–**		Part no. **Euro**
④	**Inspection piece** Straight	7373216 **24,–**	7194312 **29,–**	7247558 **46,–**		Part no. **Euro**
⑤	**Bend** 87°	7373218 **12,60**	7194314 **12,60**	7247560 **23,–**		Part no. **Euro**
	Bend 45° (2 pce)	7373219 **21,–**	7194315 **24,–**	7247561 **36,–**		Part no. **Euro**

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Flue system for open flue operation (type B_{23}/B_{33} to CEN/TR 1749) **CE approval to EN 14471**						MG WZ
	System size	**60**	**80**	**110**		**Ø mm**
	⑥ **Ventilation bezel**	7176728 **27,–**	7176634 **40,–**	7516597 **83,–**		Part no. **Euro**
	Bend 30° (2 pce)	7373220 **23,–**	7194316 **24,–**	7247562 **36,–**		Part no. **Euro**
	Bend 15° (2 pce)	7373221 **23,–**	7194317 **24,–**	7247563 **36,–**		Part no. **Euro**
	Inspection tee 87° or	7373217 **24,–**	7194313 **46,–**	**–**		Part no. **Euro**
	Inspection bend 87°	**–**		7247559 **68,–**		Part no. **Euro**
	Balanced flue air inlet adaptor For siting the boiler with a balanced flue pipe up to the shaft inlet in the living space, where combustion air is supplied via interconnected rooms (see technical guide).	7176731 **29,–**	7176635 **65,–**	**–**		Part no. **Euro**
	Stainless steel extension For shaft cover 380 mm long (metal/PPs, rigid)	7502599 **45,–**	7373278 **93,–**	7373493 **77,–**		Part no. **Euro**

Gaskets			MG WZ
System size	**80**	**110**	
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**

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Flue systems, open flue

Made from plastic (PPs)
With rigid flue pipe

Flue system for open flue operation (type B_{23}/B_{33} to CEN/TR 1749)
CE approval to EN 14471

Vitodens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitodens 050-W									
Rated heating output	19.0	25.0							kW
Balanced flue connection	60/100	60/100							Ø mm
Max. total length: ■ System size 60 ■ System size 80	 20 25	 20 25							 m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60 ■ System size 80		 30 30	 30 30	 30 30					 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60 ■ System size 80	 30 30	 30 30	 30 30	 30 30					 m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80 ■ System size 100	 20 25	 15 20		 — 20	 — 20	 — 20	 — 20		 m m

Vitocrossal

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitocrossal 300								
Rated heating output			26.0	35.0	45.0	60.0		kW
Balanced flue connection			80/125	80/125	110/150	110/150		Ø mm
Max. total length: ■ System size 80 ■ System size 110			 20 —	 20 —	 — 25	 — 25		 m m

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Flue system for open flue operation (type B_{23}/B_{33} to CEN/TR 1749)
CE approval to EN 14471

Vitorondens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T										
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7	67.6	85.8	107.3	kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150				Ø mm
Flue gas connection							110	110	110	Ø mm
Max. total length: ■ System size 80 ■ System size 110	 20 —	 20 —	 20 —	 20 —	 — 20	 — 20	 — 20	 — 20	 — 20	 m m

Notes!
- Observe the specifications in the technical guide.
- A connection pipe (1 m long) and the following bends are taken into account in the maximum total length of the flue. One 87° bend and one 87° support bend or two 45° bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- Condensing boilers may be connected to room sealed balanced flues if the chimney manufacturer can verify suitability to EN 13384-1, based on the specified flue gas values and taking local conditions (such as heating water return temperature, design of the connection piece, etc.) into account.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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Flue systems, open flue

Made from plastic (PPs)
With flexible flue pipe

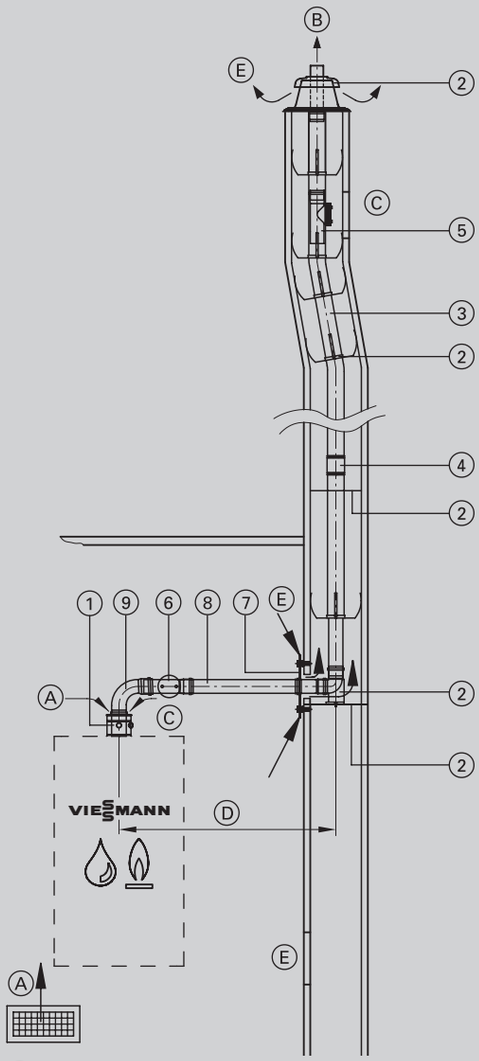
Flue system

For open flue operation (type B_{23} to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).
- Fire rating of 30 minutes (F30/L30) in low buildings.

The flexible flue pipe must only be routed **vertically**.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece
Ⓔ Ventilation aperture

	System size	60	80	110	Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)				
	Adaptor For expanding the cross-section from Ø 60 mm to Ø 80 mm	7373338 **9,–**		–	Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 80 mm to Ø 110 mm	–	7373248 **29,–**		Part no. **Euro**
	Balanced flue adaptor For reducing the cross-section from 80/125 mm to 60/100 mm	7373239 **82,–**		–	Part no. **Euro**
	Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation.	7590109 **10,20**	–		Part no. **Euro**
②	**Standard shaft pack** (PPs, flexible) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7248206 **212,–**	7248213 **229,–**	7248220 **295,–**	Part no. **Euro**
	or				
	Standard shaft pack (metal/PPs, flexible) For twin flue chimneys (one flue for solid fuel boilers). ■ Support bend ■ Support rail ■ Shaft cover (metal) ■ Terminal pipe (stainless steel) ■ Spacers (5 pce)	7452173 **416,–**	7452179 **442,–**	7452180 **464,–**	Part no. **Euro**
	Spacers (5 pce)	7190560 **54,–**	7147035 **51,–**	7189817 **39,–**	Part no. **Euro**
③	**Flexible pipe** On a roll, 12.5 m long.	7248208 **529,–**	7248216 **656,–**	7248222 **807,–**	Part no. **Euro**
	Flexible pipe On a roll, 25 m long.	7248207 **1.040,–**	7248215 **1.324,–**	7248221 **1.598,–**	Part no. **Euro**

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Flue system For open flue operation (type B_{23} to CEN/TR 1749) CE approval to DIN EN 14471	System size	60	80	110	MG WZ Ø mm
④ **Connection piece** For connecting residual lengths of the flexible flue pipe.		7248211 **102,–**	7248219 **102,–**	7248225 **258,–**	Part no. **Euro**
Pipe lowering attachment Incl. 25 m rope.		7248212 **88,–**	7248214 **88,–**	7248226 **113,–**	Part no. **Euro**
⑤ **Inspection piece**, straight For installation in the flexible flue pipe.		7248210 **135,–**	7248218 **173,–**	7248224 **300,–**	Part no. **Euro**
⑥ **Inspection piece** Straight		7373216 **24,–**	7194312 **29,–**	7247558 **46,–**	Part no. **Euro**
⑦ **Ventilation bezel**		7176728 **27,–**	7176634 **40,–**	7516597 **83,–**	Part no. **Euro**
⑧ **Pipe** 1 m long		7373214 **12,60**	7194310 **25,–**	7247556 **42,–**	Part no. **Euro**
Pipe 0.5 m long		7373215 **7,50**	7194311 **21,–**	7247557 **37,–**	Part no. **Euro**
⑨ **Bend** 87°		7373218 **12,60**	7194314 **12,60**	7247560 **23,–**	Part no. **Euro**
Bend 45° (2 pce)		7373219 **21,–**	7194315 **24,–**	7247561 **36,–**	Part no. **Euro**
or					
Inspection tee 87°		7373217 **24,–**	7194313 **46,–**	–	Part no. **Euro**
or					
Inspection bend 87°		–		7247559 **68,–**	Part no. **Euro**
Stainless steel extension For shaft cover 380 mm long (metal/PPs, rigid)		7502599 **45,–**	7373278 **93,–**	7373493 **77,–**	Part no. **Euro**

Gaskets System size	80	110	MG WZ
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.			
Lip seal made from FPM 2 pce	ZK02505 **15,–**	ZK02508 **24,–**	Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**	ZK02509 **45,–**	Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**	ZK02510 **82,–**	Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**	ZK02511 **7,–**	Part no. **Euro**

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Flue systems, open flue

Made from plastic (PPs)
With flexible flue pipe

Flue system For open flue operation (type B_{23} to CEN/TR 1749) CE approval to DIN EN 14471									
Vitodens **Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C**									
Vitodens 050-W									
Rated heating output	19.0	25.0							kW
Balanced flue connection	60/100	60/100							Ø mm
Max. total length: ■ System size 60 ■ System size 80	 10 15	 10 15							 m m
Vitodens 100-W, 111-W, 111-F									
Rated heating output		19.0	25.0	32.0					kW
Balanced flue connection		60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60 ■ System size 80		 10 15	 10 15	 10 15					 m m
Vitodens 200-W up to 32 kW, 222-W, 222-F									
Rated heating output	11.0	19.0	25.0	32.0					kW
Balanced flue connection	60/100	60/100	60/100	60/100					Ø mm
Max. total length: ■ System size 60 ■ System size 80	 20 17 30	 17 17 30	 17 16 30	 18 8 30	(Vitodens 200-W system) (Vitodens 200-W combi) (Vitodens 222-W, 222-F, 242-F)				 m m m m
Vitodens 200-W from 49 kW									
Rated heating output	49.0	60.0		80.0	99.0	120.0	150.0		kW
Balanced flue connection	80/125	80/125		110/150	110/150	110/150	110/150		Ø mm
Max. total length: ■ System size 80 ■ System size 100	 20 22	 15 17		 — 20	 — 20	 — 20	 — 20		 m m

Vitocrossal **Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C**									
Vitocrossal 300									
Rated heating output			26.0	35.0	45.0	60.0			kW
Balanced flue connection			80/125	80/125	110/150	110/150			Ø mm
Max. total length: ■ System size 80 ■ System size 110			 18 —	 18 —	 — 22	 — 22			 m m

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Flue system

For open flue operation (type B_{23} to CEN/TR 1749)
CE approval to DIN EN 14471

Vitorondens

Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T										
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7	67.6	85.8	107.3	kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150				Ø mm
Flue gas connection							110	110	110	Ø mm
Max. total length: ■ System size 80 ■ System size 110	 18 —	 18 —	 18 —	 18 —	 — 18	 — 18	 — 18	 — 18	 — 18	 m m

Notes!
- Observe the specifications in the technical guide.
- A connection pipe (1 m long) and the following bends are taken into account in the maximum total length of the flue. One 87° bend and one 87° support bend or two 45° bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

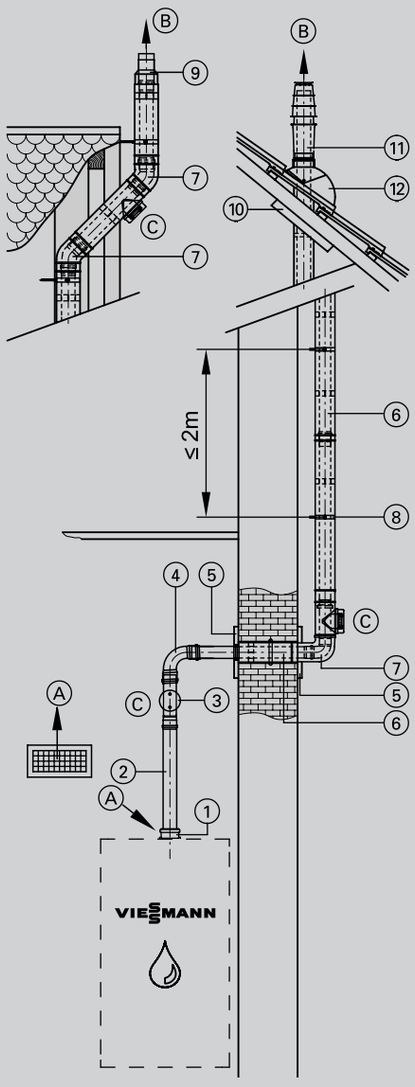
Flue systems, open flue

Made from plastic (PPs)
With rigid flue pipe

Flue system
For open flue operation (type B_{23} to CEN/TR 1749)
CE approval to DIN EN 14471

MG WZ

For external routing through a coaxial pipe.
For **open flue** operation, a flue pipe is required between the condensing boiler and external wall routing; the external pipe is only a protective measure.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port

	System size	80	80/125	110	110/150	Ø mm
①	**Boiler flue connection** (Part of the standard boiler delivery)					
②	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7194309 **78,–**	–	7247554 **102,–**	–	Part no. **Euro**
	Pipe 1.95 m long	7194308 **42,–**	–	7247555 **63,–**	–	Part no. **Euro**
	Pipe 1 m long	7194310 **25,–**	–	7247556 **42,–**	–	Part no. **Euro**
	Pipe 0.5 m long	7194311 **21,–**	–	7247557 **37,–**	–	Part no. **Euro**
③	**Inspection piece** Straight	7194312 **29,–**	–	7247558 **46,–**	–	Part no. **Euro**
④	**Bend** 87°	7194314 **12,60**	–	7247560 **23,–**	–	Part no. **Euro**
	Bend 45° (2 pce)	7194315 **24,–**	–	7247561 **36,–**	–	Part no. **Euro**
⑤	**Wall bezel**	7338659 **12,60**	7176662 **21,–**	7373543 **27,–**	7176681 **23,–**	Part no. **Euro**
⑥	**Balanced flue pipe** 1.95 m long	–	7194322 **102,–**	–	7247538 **213,–**	Part no. **Euro**
	Balanced flue pipe 1 m long	–	7194321 **61,–**	–	7247537 **88,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long	–	7194320 **46,–**	–	7247536 **73,–**	Part no. **Euro**
	or					
	External wall pipe 1.95 m long		–		7247552 **146,–**	Part no. **Euro**
	External wall pipe 1.0 m long		–		7247551 **88,–**	Part no. **Euro**
	External wall pipe 0.5 m long		–		7247550 **83,–**	Part no. **Euro**

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Flue system For open flue operation (type B_{23} to CEN/TR 1749) CE approval to DIN EN 14471					MG WZ
	System size	80	80/125	110	110/150	Ø mm
	⑦ **Balanced flue bend** 87°	–	7194323 **65,–**	–	ZK05949 **99,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce) or	–	7194324 **100,–**	–	7247540 **128,–**	Part no. **Euro**
	Balanced flue bend 30° (2 pce)	–	ZK01291 **117,–**	–		Part no. **Euro**
	External wall bend 87°		–		ZK05950 **108,–**	Part no. **Euro**
	External wall bend 45° (2 pce)		–		7247549 **145,–**	Part no. **Euro**
	External wall bend 30° (2 pce)		–		ZK01292 **173,–**	Part no. **Euro**
	⑧ **Fixing clamp**, white	–	ZK05946 **14,–**	–	ZK05947 **21,–**	Part no. **Euro**
	⑨ **External wall terminal** For a short roof overhang.	–	7176655 **34,–**	–	7176690 **41,–**	Part no. **Euro**
	⑩ **Universal cover plate**	–	ZK02890 **58,–**	–	ZK02891 **61,–**	Part no. **Euro**

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Flue systems, open flue

Made from plastic (PPs)
With rigid flue pipe

Flue system For open flue operation (type B_{23} to CEN/TR 1749) CE approval to DIN EN 14471					MG WZ
System size	80	80/125	110	110/150	Ø mm
⑪ **Balanced flue roof outlet** Colour: **black**. With fixing clamp.	–	7373271 **187,–**	–	7373249 **276,–**	Part no. **Euro**
Balanced flue roof outlet Colour: **terracotta**. With fixing clamp. When using a balanced flue roof outlet system size 110/160, fit a balanced flue slide coupling to reverse the joining direction of the external pipe.	–	7373272 **339,–**	–	7373250 **276,–**	Part no. **Euro**
Above roof extension Colour: **black**, 0.5 m long.	–	7311371 **56,–**	–	7373251 **130,–**	Part no. **Euro**
Above roof extension Colour: **black**, 1.0 m long. With tensioning clamp.	–	7311373 **99,–**	–		Part no. **Euro**
Above roof extension Colour: **terracotta**, 0.5 m long.	–	7311372 **56,–**	–	7373252 **130,–**	Part no. **Euro**
Above roof extension Colour: **terracotta**, 1.0 m long. With tensioning clamp.	–	7311376 **99,–**	–		Part no. **Euro**

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Flue system For open flue operation (type B_{23} to CEN/TR 1749) CE approval to DIN EN 14471	System size	80	80/125	110	110/150	MG WZ
⑫ **Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.		–	7452499 **71,–**	–	7452501 **102,–**	Part no. **Euro**
Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.		–	7452500 **71,–**	–	7452502 **102,–**	Part no. **Euro**
or						
Pipe outlet for Klöber roof tiles Colour: **black**. The corresponding Klöber roof tile is to be provided on site.		–	7174281 **69,–**	–		Part no. **Euro**
Pipe outlet for Klöber roof tiles Colour: **terracotta**. The corresponding Klöber roof tile is to be provided on site.		–	7174279 **69,–**	–		Part no. **Euro**

Gaskets System size	80	80/125	110	110/150	MG WZ
For oil condensing boilers and with horizontal routing, the gaskets installed in the flue pipes must be replaced with FPM gaskets.					
Lip seal made from FPM 2 pce	ZK02505 **15,–**		ZK02508 **24,–**		Part no. **Euro**
Lip seal made from FPM 5 pce	ZK02506 **29,–**		ZK02509 **45,–**		Part no. **Euro**
Lip seal made from FPM 10 pce	ZK02507 **51,–**		ZK02510 **82,–**		Part no. **Euro**
Flat gasket made from FPM for inspection cover of inspection piece 2 pce	ZK02504 **6,–**		ZK02511 **7,–**		Part no. **Euro**

Flue systems, open flue

Made from plastic (PPs)
With rigid flue pipe

Flue system
For open flue operation (type B_{23} to CEN/TR 1749)
CE approval to DIN EN 14471

Vitorondens
Max. total length of the flue pipe up to the boiler flue connection at system temperature 50/30 °C

Vitorondens 200-T										
Rated heating output	20.2	24.6	28.6	35.4	42.8	53.7	67.6	85.8	107.3	kW
Balanced flue connection	80/125	80/125	80/125	80/125	110/150	110/150				Ø mm
Flue gas connection							110	110	110	Ø mm
Max. total length: ■ System size 80 ■ System size 110	 15 —	 18 —	 18 —	 22 —	 — 22	 — 22	 — 22	 — 22	 — 22	 m m

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Notes!
- Observe the specifications in the technical guide.
- A connection pipe (1 m long) and the following bends are taken into account in the maximum total length of the flue. One 87° bend and one 87° support bend or two 45° bends and one 87° support bend.
- If the required total length of the flue pipe for the balanced flue connection is exceeded, a balanced flue adaptor can be inserted and the next largest system size used.
- When using an alternative flue system (routing type C6), the specifications contained in the pricelist and the technical guide must be observed. These cover the routing of the flue system, the maximum lengths of the flue pipes and the use of special FPM gaskets for oil boilers.

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Ventilation air system

For room sealed operation and parallel ventilation air and flue gas routing

System pipes System size (Ø mm)	80	110	MG WZ
Pipe 1.95 m long	7194308 **42,–**	7247555 **63,–**	Part no. **Euro**
Pipe 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7194309 **78,–**	7247554 **102,–**	Part no. **Euro**
Pipe 1 m long	7194310 **25,–**	7247556 **42,–**	Part no. **Euro**
Pipe 0.5 m long	7194311 **21,–**	7247557 **37,–**	Part no. **Euro**
Inspection piece Straight	7194312 **29,–**	7247558 **46,–**	Part no. **Euro**
Bend 87°	7194314 **12,60**	7247560 **23,–**	Part no. **Euro**
Bend 45° (2 pce)	7194315 **24,–**	7247561 **36,–**	Part no. **Euro**
Bend 30° (2 pce)	7194316 **24,–**	7247562 **36,–**	Part no. **Euro**
Bend 15° (2 pce)	7194317 **24,–**	7247563 **36,–**	Part no. **Euro**
Ventilation bezel	7176634 **40,–**	7516597 **83,–**	Part no. **Euro**
Ventilation air damper	7176657 **13,90**		Part no. **Euro**

For **room sealed** operation with parallel flue gas/ventilation air routing, the same components are used for ventilation air as for flue gas routing.

Flue systems for multiple connection/cascade

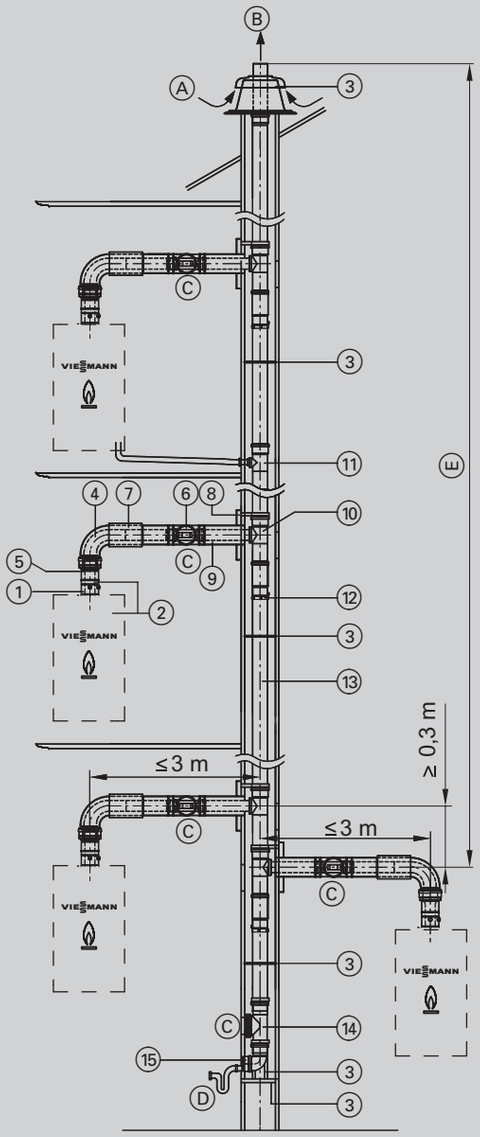
For Vitodens 050-W/100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F/242-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system

For routing multiple pipes through a room sealed balanced flue (balanced flue chimney, positive pressure) (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

MG WZ

System for room sealed operation, specifically developed for the Vitodens.
Minimum shaft cross-section:
- 175 × 175 mm square.
- Ø 195 mm round.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Condensate drain with trap (trap on site)
Ⓔ Max. flue length, see the following pages

System size	80/125	110	Ø mm
① **Boiler flue connection** (Part of standard appliance delivery)			
② **Back draught safety device** For Vitodens 200-W/222-W/222-F. 2 back draught safety devices, for installation in the Vitodens and in the flue system. **Must be added to the order for every boiler.**	ZK05343 **106,–**	–	Part no. **Euro**
Back draught safety device For Vitodens 050-W/100-W/111-W/111-F. For installation in the flue system **Must be added to the order for every boiler.**	ZK05976 **63,–**	–	Part no. **Euro**
③ **Standard shaft pack** (PPs, rigid) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	–	7247534 **174,–**	Part no. **Euro**
Spacers (3 pce)	–	7339873 **25,–**	Part no. **Euro**
④ **Balanced flue bend** 87°	7194323 **65,–**	–	Part no. **Euro**
Balanced flue bend 45° (2 pce)	7194324 **100,–**	–	Part no. **Euro**
or			
Balanced flue inspection bend 87°	7199782 **92,–**	–	Part no. **Euro**
⑤ **Balanced flue adaptor** For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**	–	Part no. **Euro**
⑥ **Balanced flue inspection piece** Straight	7199781 **72,–**	–	Part no. **Euro**
⑦ **Balanced flue slide coupling**	7194329 **38,–**	–	Part no. **Euro**
Fixing clamp, white (balanced flue pipe)	ZK05946 **14,–**	–	Part no. **Euro**
⑧ **Wall bezel**	7176662 **21,–**	–	Part no. **Euro**
⑨ **Balanced flue pipe** 1.95 m long	7194322 **102,–**	–	Part no. **Euro**
Balanced flue pipe 1 m long	7194321 **61,–**	–	Part no. **Euro**

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Flue systems for multiple connection/cascade

For Vitodens 050-W/100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system
For routing multiple pipes through a room sealed balanced flue (balanced flue chimney, positive pressure) (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

MG WZ

	System size	80/125	110	Ø mm
⑨	**Balanced flue pipe** 0.5 m long	7194320 **46,–**	**–**	Part no. **Euro**
⑩	**Connecting assembly, multiple connection** ■ Inspection pipe Ø 110 with flue gas connection Ø 80. ■ Fixing clamp. ■ Spacer. ■ Long sleeve Ø 110.	**–**	7190015 **154,–**	Part no. **Euro**
⑪	**Connecting assembly, condensate drain** ■ Branch 87° Ø 40. ■ Fixing clamp. ■ Long sleeve Ø 110.	**–**	7197343 **154,–**	Part no. **Euro**
⑫	**Connecting clamp** Required for every joint in the shaft.	**–**	ZK05944 **29,–**	Part no. **Euro**
⑬	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	**–**	7247554 **102,–**	Part no. **Euro**
	Pipe 1.95 m long	**–**	7247555 **63,–**	Part no. **Euro**
	Pipe 1 m long	**–**	7247556 **42,–**	Part no. **Euro**
	Pipe 0.5 m long	**–**	7247557 **37,–**	Part no. **Euro**
	Bend 30° (2 pce)	**–**	7247562 **36,–**	Part no. **Euro**
	Bend 15° (2 pce)	**–**	7247563 **36,–**	Part no. **Euro**
⑭	**Inspection piece** Straight	**–**	7247558 **46,–**	Part no. **Euro**
⑮	**Condensate drain connection** (eccentric) Ø 40 mm to Ø 110 mm.	**–**	7190017 **55,–**	Part no. **Euro**

Notes!
- Approved only for natural gas; operation with LPG not possible
- Observe the specifications in the technical guide.
- The specified system sizes are nominal diameters. Actual component dimensions may differ.

Flue systems for multiple connection/cascade

For Vitodens 050-W/100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system

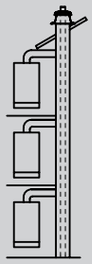
For routing multiple pipes through a room sealed balanced flue (balanced flue chimney, positive pressure) (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

Max. total flue length (1 appliance per floor)

Up to 6 appliances with the same rated heating output can be connected to one flue system.

The maximum flue lengths detailed below are confirmed by means of the relevant CE designation. If you observe these length specifications you will not need to make a separate flue length calculation.

Notes!
The partial load of the appliances is increased to approx. 6 kW in this application.



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Vitodens 050-W

Number of appliances		**2**	**3**	**4**	**5**	**6**		pce
		Max. total length						
Rated heating output	**25 kW**	25	25	18	–	–		m

Vitodens 100-W/111-W/111-F/200-W/222-W/222-F/242-F

Number of appliances		**2**	**3**	**4**	**5**	**6**		pce
		Max. total length						
Rated heating output	**11 kW**	25	25	25	25	21		m
	19 kW	25	25	22	14	–		m
	25 kW	25	25	19	12	–		m
	32 kW	25	25	15	–	–		m

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Flue systems for multiple connection/cascade

For Vitodens 050-W/100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

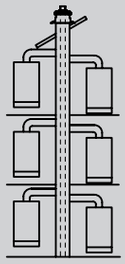
Balanced flue system

For routing multiple pipes through a room sealed balanced flue (balanced flue chimney, positive pressure) (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

Max. total flue length (2 appliances per floor)

Up to 6 appliances with the same rated heating output can be connected to one flue system.

The maximum flue lengths detailed below are confirmed by means of the relevant CE designation. If you observe these length specifications you will not need to make a separate flue length calculation.



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Vitodens 050-W

Number of appliances		**2**	**3**	**4**	**5**	**6**	pce
		Max. total length					
Rated heating output	**19 kW**	15	15	15	10	6	m
	25 kW	15	15	13	7	–	m

Vitodens 100-W/111-W/111-F/200-W/222-W/222-F/242-F

Max. total flue length vertically and horizontally (max. 3 m connection pipe).

Note!
The partial load of the appliances is increased to approx. 6 kW in this application.

Number of appliances		**2**	**3**	**4**	**5**	**6**	pce
		Max. total length					
Rated heating output	**11 kW**	15	15	15	15	15	m
	19 KW	15	15	15	11	6	m
	25 kW	15	15	15	8	–	m
	32 kW	15	15	12	6	–	m

Note!
In the case of the Vitodens 100-W, settings have to be made at the control unit; observe the technical guide.

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Flue systems for multiple connection/cascade

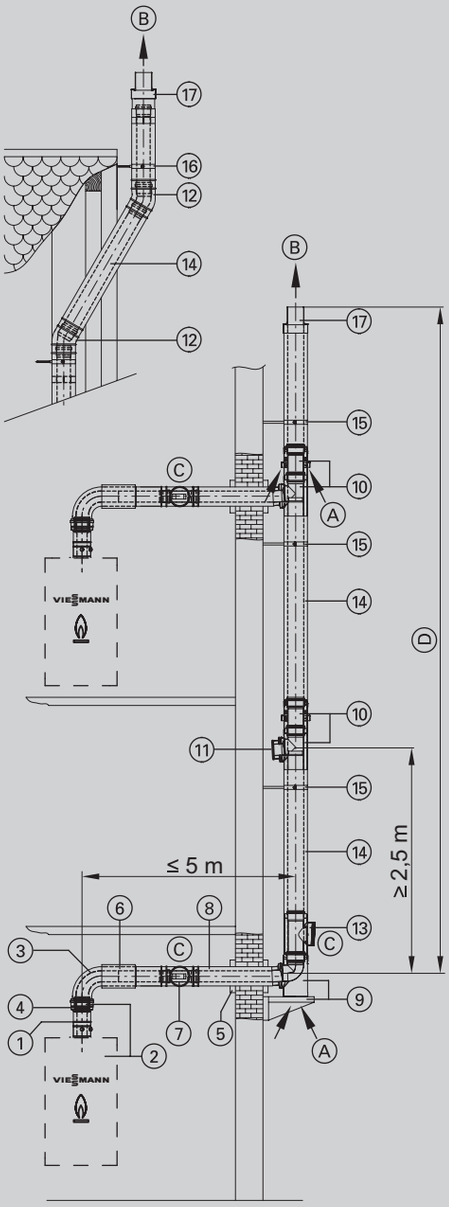
For Vitodens 100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system

For routing multiple pipes through a common balanced flue header on the external wall (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

MG WZ

System for room sealed operation, specifically developed for the Vitodens.
Diameter of balanced flue header 110/160 mm



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Max. flue length, see the following pages

	System size	80/125	110/160	Ø mm
①	**Boiler flue connection** (Part of standard appliance delivery)		–	
②	**Back draught safety device** For Vitodens 200-W/222-W/222-F. 2 back draught safety devices, for installation in the Vitodens and in the flue system. **Must be added to the order for every boiler.**	ZK05343 **106,–**	–	Part no. **Euro**
	Back draught safety device For Vitodens 050-W/100-W/111-W/111-F. For installation in the flue system **Must be added to the order for every boiler.**	ZK05976 **63,–**	–	Part no. **Euro**
③	**Balanced flue bend** 87°	7194323 **65,–**	–	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	7194324 **100,–**	–	Part no. **Euro**
	Balanced flue inspection bend 87°	7199782 **92,–**	–	Part no. **Euro**
④	**Balanced flue adaptor** For expanding the cross-section from 60/100 mm to 80/125 mm	7373240 **65,–**	–	Part no. **Euro**
⑤	**Balanced flue inspection piece** Straight	7199781 **72,–**	–	Part no. **Euro**
⑥	**Balanced flue slide coupling**	7194329 **38,–**	–	Part no. **Euro**
	Fixing clamp, white	ZK05946 **14,–**	–	Part no. **Euro**
⑦	**Wall bezel**	7176662 **21,–**	–	Part no. **Euro**
⑧	**Balanced flue pipe** 1.95 m long	7194322 **102,–**	–	Part no. **Euro**
	Balanced flue pipe 1 m long	7194321 **61,–**	–	Part no. **Euro**
	Balanced flue pipe 0.5 m long	7194320 **46,–**	–	Part no. **Euro**
⑨	**Connecting assembly, external wall multiple connection, base** ■ Connection bend with air intake ■ Mounting bracket	–	ZK02603 **731,–**	Part no. **Euro**
⑩	**Connecting assembly, external wall multiple connection, upper floor** ■ Connection for multiple flue connection ■ Air inlet piece	–	ZK02604 **888,–**	Part no. **Euro**

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Flue systems for multiple connection/cascade

For Vitodens 100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system
For routing multiple pipes through a common balanced flue header on the external wall (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

MG WZ

	System size	80/125	110/160	Ø mm
	⑪ **Dummy cover** For subsequent connection of a heat generator	ZK02605 **77,–**	**–**	Part no. **Euro**
	⑫ **Balanced flue bend** 87°	**–**	ZK02606 **141,–**	Part no. **Euro**
	Balanced flue bend 45° (2 pce)	**–**	ZK02607 **197,–**	Part no. **Euro**
	Balanced flue bend 30° (2 pce)	**–**	ZK02608 **268,–**	Part no. **Euro**
	⑬ **Balanced flue inspection piece** Straight	**–**	ZK02609 **216,–**	Part no. **Euro**
	Balanced flue slide coupling	**–**	ZK02610 **110,–**	Part no. **Euro**
	⑭ **Balanced flue pipe** 2 m long	**–**	ZK02611 **282,–**	Part no. **Euro**
	Balanced flue pipe 1 m long	**–**	ZK02612 **125,–**	Part no. **Euro**
	Balanced flue pipe 0.5 m long	**–**	ZK02613 **87,–**	Part no. **Euro**
	⑮ **Wall clamp**, adjustable	**–**	ZK02614 **119,–**	Part no. **Euro**
	⑯ **Fixing clamp**, white (balanced flue pipe)	**–**	ZK02615 **20,–**	Part no. **Euro**
	⑰ **Terminal, balanced flue header** (For installation without roof outlet)	**–**	ZK02616 **71,–**	Part no. **Euro**
	Universal cover plate for balanced flue roof outlet	**–**	ZK02617 **106,–**	Part no. **Euro**
	Wall bezel for flat roof outlet	**–**	ZK02618 **25,–**	Part no. **Euro**
	Balanced flue roof outlet Colour: **black**	**–**	ZK02619 **280,–**	Part no. **Euro**
	Balanced flue roof outlet Colour: **terracotta**	**–**	ZK02620 **329,–**	Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	**–**	7452501 **102,–**	Part no. **Euro**
	Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**.	**–**	7452502 **102,–**	Part no. **Euro**
	or			
	Flat roof collar	**–**	7426529 **58,–**	Part no. **Euro**

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For Vitodens 100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Balanced flue system

For routing multiple pipes through a common balanced flue header on the external wall (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

Notes!

- Approved only for natural gas; operation with LPG not possible
- Observe the specifications in the technical guide.
- The specified system sizes are nominal diameters. Actual component dimensions may differ.

Vitodens 100-W/111-W/111-F/200-W/222-W/222-F/242-F – Max. total flue length

Up to 6 appliances with the same rated heating output can be connected to one flue system.

Max. total flue length vertically and horizontally (max. 5 m connection pipe).
The maximum flue lengths detailed below are confirmed by means of the relevant CE designation. If you observe these length specifications you will not need to make a flue length calculation.

Notes!
The partial load of the appliances is increased to approx. 6 kW in this application.

Number of appliances		**2**	**3**	**4**	**5**	**6**		pce
		Max. total length						
Rated heating output	**11 kW**	25	25	25	25	23		m
	19 kW	25	25	25	17	–		m
	25 kW	25	25	21	13	–		m
	32 kW	25	25	17	–	–		m

Flue systems for multiple connection/cascade

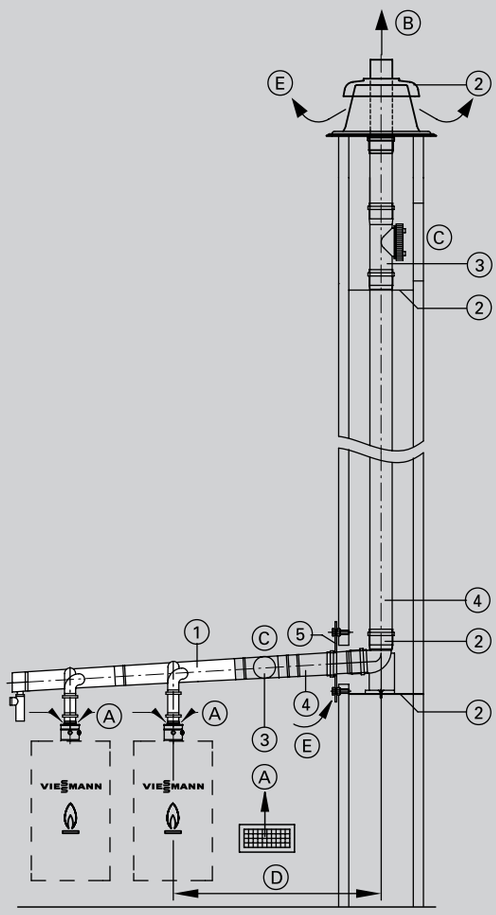
For Vitodens 100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Flue system

Flue gas cascade for open flue operation (type B_{23} to CEN/TR 1749) – positive pressure.
CE approval to DIN EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).
- Fire rating of 30 minutes (F30/L30) in low buildings.



Ⓐ Ventilation air
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Connection piece
Ⓔ Ventilation aperture

	System size	110	160	Ø mm
①	**Flue gas cascade, two-boiler system** For Vitodens 100-W/111-W/111-F ■ Back draught safety device for installation in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07145 **392,–**	ZK07146 **535,–**	Part no. **Euro**
	Flue gas cascade, two-boiler system For Vitodens 200-W/222-W/222-F ■ 2 back draught safety devices for installation in the Vitodens and in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07147 **478,–**	ZK07148 **621,–**	Part no. **Euro**
	Flue gas cascade, three-boiler system For Vitodens 100-W/111-W/111-F ■ Back draught safety device for installation in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07149 **575,–**	ZK07150 **763,–**	Part no. **Euro**
	Flue gas cascade, three-boiler system For Vitodens 200-W/222-W/222-F ■ 2 back draught safety devices for installation in the Vitodens and in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07151 **704,–**	ZK07152 **892,–**	Part no. **Euro**
	Flue gas cascade, four-boiler system For Vitodens 100-W/111-W/111-F ■ Back draught safety device for installation in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07153 **758,–**	ZK07154 **991,–**	Part no. **Euro**
	Flue gas cascade, four-boiler system For Vitodens 200-W/222-W/222-F ■ 2 back draught safety devices for installation in the Vitodens and in the flue system ■ Flue gas header ■ Terminal with condensate drain and trap	ZK07155 **930,–**	ZK07156 **1.163,–**	Part no. **Euro**
②	**Standard shaft pack** (PPs, rigid) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7247534 **174,–**	7180237 **392,–**	Part no. **Euro**

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Flue systems for multiple connection/cascade

For Vitodens 100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

Flue system

Flue gas cascade for open flue operation (type B_{23} to CEN/TR 1749) – positive pressure.
CE approval to DIN EN 14471

MG WZ

	System size	110	160	Ø mm
	Spacers (3 pce)	7339873 **25,–**	7167173 **40,–**	Part no. **Euro**
	③ **Inspection piece** Straight	7247558 **46,–**	7516590 **243,–**	Part no. **Euro**
	④ **Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7247554 **102,–**	**–**	Part no. **Euro**
	Pipe 2 m long (2 pce @ 2 m = 4 m)	**–**	7516575 **310,–**	Part no. **Euro**
	Pipe 1.95 m long	7247555 **63,–**	**–**	Part no. **Euro**
	Pipe 2 m long	**–**	7516578 **154,–**	Part no. **Euro**
	Pipe 1 m long	7247556 **42,–**	7516581 **93,–**	Part no. **Euro**
	Pipe 0.5 m long	7247557 **37,–**	7516584 **61,–**	Part no. **Euro**
	⑤ **Ventilation bezel**	7516597 **83,–**	7516599 **154,–**	Part no. **Euro**
	Bend 87°	7247560 **23,–**	7516593 **73,–**	Part no. **Euro**
	Bend 45° (2 pce)	7247561 **36,–**	7516596 **130,–**	Part no. **Euro**
	Bend 30° (2 pce)	7247562 **36,–**	7516612 **120,–**	Part no. **Euro**
	Bend 15° (2 pce)	7247563 **36,–**	7516615 **120,–**	Part no. **Euro**

Notes!
- Observe the specifications in the technical guide.
- The specified system sizes are nominal diameters. Actual component dimensions may differ.

Vitodens 100-W/111-W/111-F/200-W/222-W/222-F/242-F – Max. total flue length

The maximum flue lengths detailed below are confirmed by means of the relevant CE designation. If you observe these length specifications you will not need to make a separate flue length calculation.

System size		110			160				
Number of appliances		**2**	**3**	**4**	**2**	**3**	**4**		pce
		Max. total length							
Rated heating output	**11 kW**	25	25	25	25	25	25		m
	19 kW	25	25	23	25	25	25		m
	25 kW	25	25	17	25	25	25		m
	32 kW	25	25	13	25	25	25		m

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Mechanical ventilation systems with heat recovery					
Vitoair FS	Centralised	Ceiling/wall mounted unit		300 m³/h	**5.1**
Vitovent 300-W	Centralised	Wall mounted unit	225 to	600 m³/h	**5.2**
Ductwork					**5.3**
Decentralised ventilation units with heat recovery					
Vitovent 050-D	Decentralised	Wall integration		43 m³/h	**5.4**
Vitovent 100-D	Decentralised	Wall integration		45 m³/h	**5.5**
Vitovent 200-D	Decentralised	Wall integration		55 m³/h	**5.6**
Filters for ventilation units					**5.7**

Viessmann's integrated range of solutions

Digital services	ViCare ViGuide
Connectivity and platforms	
Products & systems	**VITOAIR FS** **VITOVENT 300-W** **VITOVENT 200-C** **VITOVENT 050-D** **VITOVENT 100-D** **VITOVENT 200-D** **Ductwork** **Filters**

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		Vitoair FS Type 300E MA	Vitovent 300-W Type H32S A225	Vitovent 300-W Type H32S C325	Vitovent 300-W Type H32S C400
Mechanical ventilation system		**Wall mounted/ ceiling mounted**	**Wall mounted**		
Application		**Newly built single/two-family house**	**Newly built single/ two-family house**		
Max. flow rate	**[m³/h]**	**300**	**225**	**325**	**400**
Standard value for max. ventilated nominal area at rated output	**[~ m²]**	**320**	**160**	**320**	**440**
Standard value for max. number of people					
Functions					
Constant flow rate control		**X**	**X**		
Ventilation levels		**Continuous**	**Continuous**		
Automatic bypass (100 %)		**X**	**X**		
Electric preheating coil		☐	**X**		
Filters		**Coarse filters**[*1]	**Coarse filters**[*1]		
Filter change indicator		**X**	**X**		
Demand-dependent filter monitoring		**X**	**X**		
Certified according to the criteria of the Passive House Institute		**X**	**X**		

[*1]Fine filters in Accessories

X Applicable
☐ Accessories

Control modes for mechanical ventilation systems to ErP (symbols)

Manual control (on/off and step switch)

Time control (via time switch, time programs)

Central demand control (central capturing of air data in addition to time control or manual control)

Control according to local demand (capturing of multiple air data in addition to time control or manual control)

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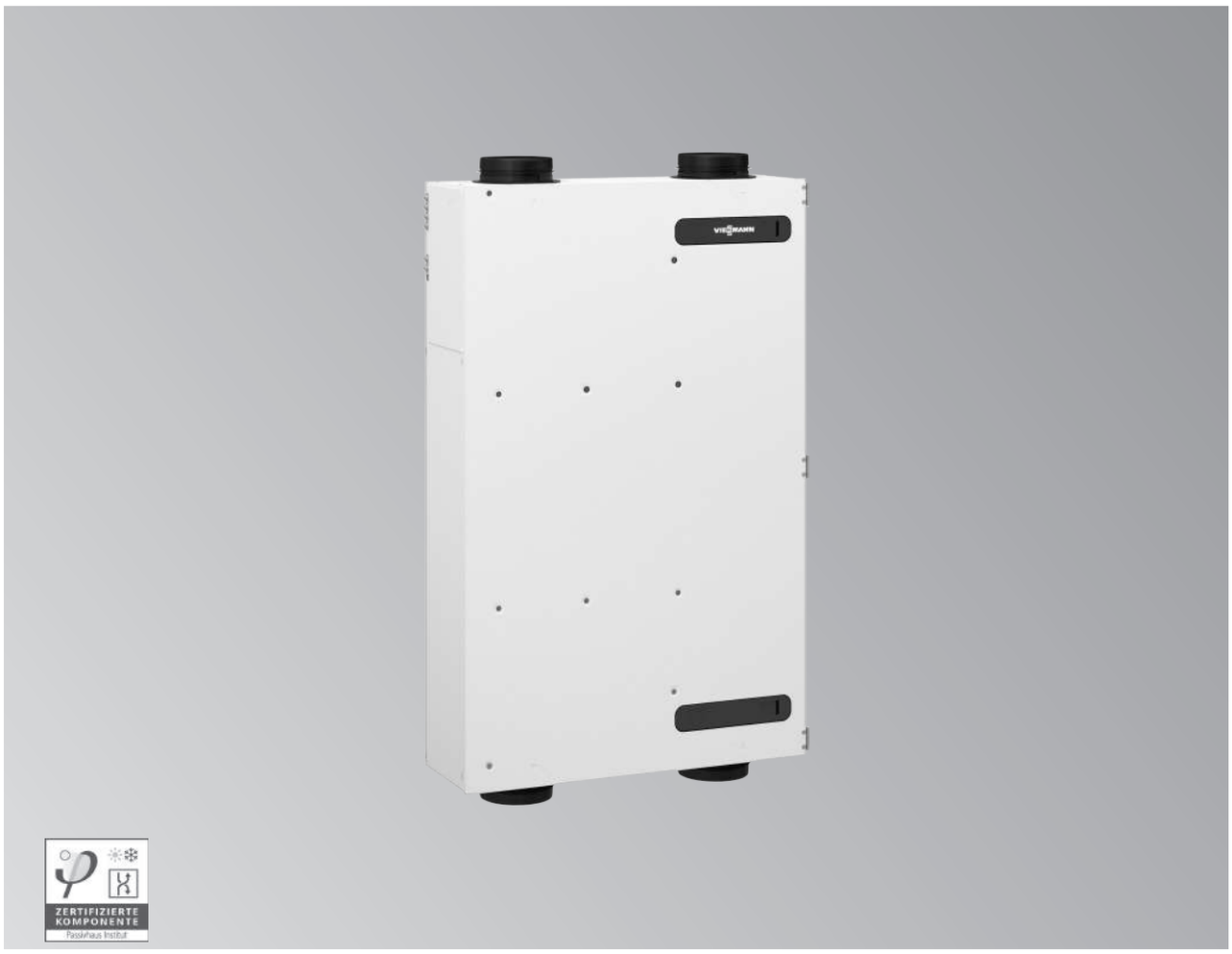

Vitoair FS

Mechanical ventilation systems with heat recovery, for demand-dependent mechanical ventilation with purified and heated outdoor air

Up to 300 m³/h with integral bypass circuit and enthalpy heat exchanger for additional humidity control

Demand-dependent flow rate control via ViCare, the Vitocal control unit or digital programming unit

- Ensures thermal comfort and a healthy room climate.
- Reduced odour nuisance
- Convenient operation via the ViCare app, the Vitocal control unit and the use of common accessories
- Alternatively, operation via a separate programming unit (accessories)
- Balanced humidity management prevents building damage.
- Increased protection against burglary and noise as windows can be kept closed
- Filtered outdoor air – important for allergy sufferers
- Economical DC fans with a constant flow rate and balance control keep the air flow constant, independent of the static pressure.
- Very high heat recovery level minimises ventilation heat losses and lowers heating bills.
- No condensate drain required
- Little space required due to low installed height
- Flexible positioning: Ceiling mounting, wall mounting, floorstanding installation
- Connector arrangement can be changed on site.
- Humidity control to prevent dry air in winter.

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VITOAIR FS

Ventilation units with heat recovery
- Wall or ceiling mounted

Ventilation units Type	300E MA	MG WV
Vitoair FS Central mechanical ventilation unit with heat recovery and humidity control, air flow rate up to 300 m³/h. ■ For residential units with up to approx. 280 m² living space ■ Connector arrangement can be changed on site ■ 4 connectors DN 160 for outdoor air, supply air, extract air and exhaust air ■ Wall, floor and ceiling mounting possible ■ Balance control ■ Constant flow rate control with impeller air speed meter ■ Modular summer bypass (up to 100 %) ■ Humidity control through integral enthalpy heat exchanger ■ Integral WiFi interface for commissioning via ViGuide and operation via ViCare ■ Including mounting rail and bracket 	Z023297 **3.491,–** A A A A	Part no. **Euro**

Specification		
Air flow rate	300	m³/h
Type of heat exchanger ■ Enthalpy heat exchanger	X	
Type of filter (supply air/extract air) ■ Standard delivery ■ Accessories	G4/G4 F7/G4	
Heat recovery	Up to 80	%
Humidity control	Up to 74	%
Length	1254	mm
Height	240	mm
Width	800	mm
Condensate drain ■ Not required	X	
Passive House Institute certified component	X	

Notes on filter type:
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %

		MG WV
Package Vitoair FS with Electric preheating coil Electric preheating coil has to be installed separately	Z025382 **3.703,–**	Part no. **Euro**

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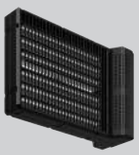
Accessories		
Bus cables		MG WX
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**
Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the wireless repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info** 	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, the Vitotrol 300-E can also be supplied with power via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA output power ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y
Remote control units for the ventilation unit		MG WV
4-level pushbutton Hardwired 4-level pushbutton ■ Fan stages 1 to 4 manually selectable ■ Filter change indicator 	7372092 **246,–**	Part no. **Euro**

VITOAIR FS

Ventilation units with heat recovery
- Wall or ceiling mounted

Accessories		
Wireless accessories		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and the relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*	ZK03839 **54,–**	Part no. **Euro**
ViCare repeater for surface mounting (low power radio) ■ Extension of the low power radio network for better connection of the ViCare components. Standard delivery: ■ 1 ViCare climate sensor ■ 1 plug-in power supply unit with power cable ■ Installation material for wall mounting *A ViCare repeater consists of a ViCare climate sensor without installed battery and a plug-in power supply unit. The ViCare repeater can be set up directly as a repeater in the ViCare app. Battery operation not possible. Socket required near the installation site.*	ZK05390 **121,–**	Part no. **Euro**
Repeater for flush mounting (low power radio) ■ For forwarding data in large buildings ■ Installation in commercially available flush box. Deep flush box if being mounted behind a switch or socket. Standard delivery: ■ Wireless repeater ■ Connection material *The wireless repeater can be set up directly as a wireless repeater in the ViCare app.*	ZK05462 **111,–**	Part no. **Euro**

Accessories		
		MG WV
Electric preheating coil For installation in the ventilation unit ■ Additional preheating coil for continuous balanced operation of the ventilation unit when outside temperatures are very low ■ Fully wired. ■ Up to max. 1.8 kW 	7372079 **621,–**	Part no. **Euro**
Compact outdoor air or exhaust air outlet ■ For routing air via the installation wall ■ EPP pipe and female connection ■ External wall outlet, white, with bird guard	ZK01840 **365,–**	Part no. **Euro**

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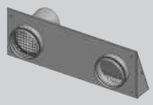
Accessories

Outdoor air and exhaust air apertures

		MG WV
Combi external wall grille ■ Combined outdoor and exhaust air outlet in one element ■ With wall outlet, DN 160 ■ Distance between axes: 470 mm ■ Colour/material: Stainless steel 	7377409 **457,–**	Part no. **Euro**

Filters for Vitoair FS

		MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 %	7372093 **77,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 %	7372082 **69,–**	Part no. **Euro**

VITOVENT 300-W

Mechanical ventilation system with heat recovery
- Wall mounted

5.2

Vitovent 300-W

Mechanical ventilation systems with heat recovery and humidity control, for demand-dependent mechanical ventilation with purified and heated outdoor air

Vitovent 300-W to 225 m³/h, 325 m³/h, 400 m³/h or 600 m³/h with integral bypass circuit and electric preheating coil

Vitovent 300-W enthalpy version with air flow rates up to 325 m³/h and 400 m³/h for additional humidity control

Demand-dependent flow rate control via Vitocal control unit or digital programming unit and sensors (optional)

- Ensures thermal comfort and a healthy room climate.
- Reduced odour nuisance
- Convenient operation with the Vitotronic 200 control unit of the Vitocal and use of common accessories
- Alternatively, operation via a separate programming unit (accessories)
- Full parameter setting via digital programming unit
- Balanced humidity management prevents building damage
- Increased protection against burglary and noise as windows can be kept closed
- Filtered outdoor air – important for allergy sufferers
- Economical DC motors with a constant flow rate and balance control maintain a constant air flow, independent of the static pressure.
- Very high heat recovery level minimises ventilation heat losses and lowers heating bills.

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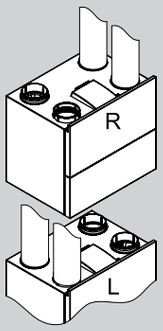
VITOVENT 300-W

Ventilation units with heat recovery
- Air flow rate 225 and 325 m³/h
- Cross-countercurrent heat exchanger

Ventilation units

Type	H32S A225 (R)	H32S A225 (L)	H32S C325 (R)	H32S C325 (L)	MG WV
Vitovent 300-W Central mechanical ventilation unit with heat recovery ■ Right-hand version (R) with supply air and extract air connections on right side, left-hand version (L) with supply air and extract air connections on left side ■ 4 connectors for outdoor air, supply air, extract air and exhaust air ■ Wall mounted (vertical installation with accessories) ■ Balance control ■ Constant flow rate control ■ Summer bypass (100 %) ■ Integral electric preheating coil (demand-dependent control) ■ Waterless trap *A programming unit* **must** *also be ordered to operate the Vitovent.* 	Z021837 **2.208,–** –	Z021838 **2.208,–** –	Z019040 **2.467,–** –	Z019041 **2.473,–** –	Part no. **Euro**

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Specification

Type	H32S A225 (R)	H32S A225 (L)	H32S C325 (R)	H32S C325 (L)	
Air flow rate	225	225	325	325	m³/h
Living space approx.	160	160	320	320	m²
Type of heat exchanger	Cross-countercurrent				
4 connectors	DN 125	DN 125	DN 160	DN 160	
Output of electric preheating coil	0.7	0.7	1.0	1.0	kW
Type of filter (outdoor air/extract air) ■ Standard delivery ■ Accessories	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	
Heat recovery	Up to 94	Up to 94	Up to 98	Up to 98	%
Length (depth)	455	455	560	560	mm
Height	650	650	650	650	mm
Width	600	600	750	750	mm
Passive House Institute certified component	X	X	X	X	

Notes on filter type:
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %
M5 = ISO ePM10 50 %

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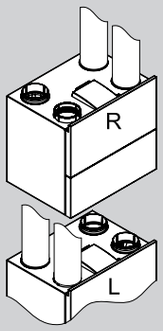
VITOVENT 300-W

Ventilation units with heat recovery
- Air flow rate 400 and 600 m³/h
- Cross-countercurrent heat exchanger

Ventilation units

Type	H32S C400 (L)	H32S C400 (R)	H32S A600 (R)	H32S A600 (L)	MG WV
Vitovent 300-W Central mechanical ventilation unit with heat recovery ■ Right-hand version (R) with supply air and extract air connections on right side, left-hand version (L) with supply air and extract air connections on left side ■ 4 connectors for outdoor air, supply air, extract air and exhaust air ■ For 600 m³/h version only: 4 reducers to DN 180 ■ Wall mounted (vertical installation with accessories) ■ Balance control ■ Constant flow rate control ■ Summer bypass (100 %) ■ Integral electric preheating coil (demand-dependent control) ■ Waterless trap *A programming unit* **must** *also be ordered to operate the Vitovent.*	Z019043 **2.713,–** –	Z019042 **2.713,–** –	Z026465 **3.929,–**	Z026466 **3.929,–**	Part no. **Euro**



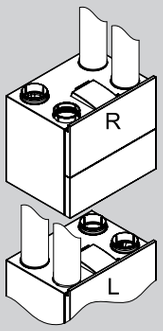
Specification

Type	H32S A400 (R)	H32S A400 (L)	H32S C600 (R)	H32S C600 (L)	
Air flow rate	400	400	600	600	m³/h
Living space approx.	440	440	750	750	m²
Type of heat exchanger	Cross-countercurrent				
4 connectors	DN 180	DN 180	DN 200	DN 200	
Output of electric preheating coil	1.0	1.0	1.0	1.0	kW
Type of filter (outdoor air/extract air) ■ Standard delivery ■ Accessories	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	
Heat recovery	Up to 99	Up to 99	Up to 92	Up to 92	%
Length (depth)	560	560	660	660	mm
Height	650	650	800	800	mm
Width	750	750	850	850	mm
Passive House Institute certified component	X	X	X	X	

Notes on filter type:
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %
M5 = ISO ePM10 50 %

VITOVENT 300-W

Ventilation units with heat recovery and humidity control
- Air flow rate 325 and 400 m³/h
- Enthalpy heat exchanger

Ventilation units Type	H32E C325 (R)	H32E C325 (L)	H32E C400 (R)	H32E C400 (L)	MG WV
Vitovent 300-W Central mechanical ventilation unit with heat recovery and humidity control ■ Right-hand version (R) with supply air and extract air connections on right side, left-hand version (L) with supply air and extract air connections on left side ■ 4 connectors for outdoor air, supply air, extract air and exhaust air ■ Wall mounted (vertical installation with accessories) ■ Balance control ■ Constant flow rate control ■ Summer bypass (100 %) ■ Integral electric preheating coil (demand-dependent control) ■ Waterless trap *A programming unit* **must** *also be ordered to operate the Vitovent.* 	Z026526 **3.209,–** A A A A+	Z026527 **3.209,–** A A A A+	Z026528 **3.455,–** A A A A	Z026529 **3.455,–** A A A A	Part no. **Euro**

Specification Type	H32E C325 (R)	H32E C325 (L)	H32E C400 (R)	H32E C400 (L)	
Air flow rate	325	325	400	400	m³/h
Living space approx.	320	320	440	440	m²
Type of heat exchanger	Enthalpy				
4 connectors	DN 160	DN 160	DN 180	DN 180	
Output of electric preheating coil	1.0	1.0	1.0	1.0	kW
Type of filter (outdoor air/extract air) ■ Standard delivery ■ Accessories	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	G4/G4 F7/G4	
Heat recovery	Up to 98	Up to 98	Up to 99	Up to 99	%
Humidity control	86/77	86/77	84/71	84/71	%
Length (depth)	560	560	560	560	mm
Height	650	650	650	650	mm
Width	750	750	750	750	mm
Passive House Institute certified component	X	X	X	X	

Notes on filter type:
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %
M5 = ISO ePM10 50 %

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Accessories

Communication technology

MG WV

Vitoconnect V
Internet interface for remote control of Vitovent 300-W via the internet using the ViCare app. Vitoconnect V establishes the connection to the internet.

Z027169
Part no.
294,–
Euro

Significant product features
- Operation of the ventilation unit with Vitotrol 300-E and the 4-level pushbutton
- Use of ViCare app and ViGuide
- Connection of climate sensors
- Connection to products with Viessmann One Base

Standard delivery
- Vitoconnect V
- Power cable with plug (2.4 m long)
- Modbus cable (2 m long)

Notes!
- Before commissioning, check the system requirements for communication via the local IP network/WiFi.
- For operating the Vitoconnect, an available internet connection with flat rate data (no time or volume restrictions) is recommended.
- Compatible with types H32S/E A225(R/L), C325(R/L), C400(R/L), A600(R/L)

VITOVENT 300-W

Ventilation units with heat recovery
- Wall mounted

Accessories

Programming units

Type	H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Vitocal/Vitovent connecting cable Connecting cable between Vitovent and Vitotronic 200 control unit, type WO1C (6 m long). ■ To operate the Vitovent 200-W/ 300-W/300-C via the Vitotronic 200 control unit, type WO1C - Backlit graphic display with plain text - Time programs with individual day and seven-day program - Program selector - Filter change indicator ■ Common use of control and programming unit accessories *Control type to ErP Directive: Time control*	ZK02789 **45,–**						Part no. **Euro**
Ventilation programming unit, type LB1 Illuminated, graphic programming unit for Vitovent. ■ Time programs with individual day and seven-day program ■ 4-step switch ■ Program selection ■ Filter change indicator ■ Parameter setting with plain text display ■ Connecting cable, 6 m long *Control type to ErP Directive: Time control*	Z015318 **388,–**						Part no. **Euro**

Flow rate control accessories

Type	H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Humidity sensor (central) ■ Installation in the extract air duct (header) ■ Operation of the ventilation unit with the minimum required air flow rate for the removal of humidity from the living space ■ Up to 10 % energy savings through automatic control *Control type to ErP Directive: Central demand control*	ZK02539 **377,–**						Part no. **Euro**
CO_2 sensor, hardwired To control the ventilation unit subject to the CO_2 concentration. ■ Room installation ■ 1 sensor for CO_2 measurement ■ Operation of the ventilation unit with the minimum required air flow rate for the removal of humidity and CO_2 from the living space ■ Up to 10 % energy savings through automatic control *Control type to ErP Directive: Central demand control*	ZK05282 **479,–**						Part no. **Euro**

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Accessories

Remote control units

Vitotrol 300-E
Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair).
- **Wireless communication** with the heat generator via low power radio
- Backlit graphic display
- Display of room temperature and room humidity
- Depending on the connected system: support for heating, cooling and ventilation operating modes
- Room views in combination with individual room control
- Setting of various operating modes or time programs
- Intuitive colour-coded user navigation (Lightguide)

To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.
If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.
- *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.*
- *Mixed operation with a Vitotrol 200-E is not possible.*

For a precise summary of compatibility see **www.vitotrol.info**
Can only be used in conjunction with Vitoconnect V.

7959522
419,–

Part no.
Euro
MG W

Power supply unit for flush mounting
As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box.
- Power supply unit with 12 V/500 mA power output
- As per EUP Directive 2005/32/EC
- Input and output via screw terminals
- Dimensions 54 x 26 mm

ZK03842
69,–

Part no.
Euro
MG Y

Note!
Accessories for flow rate control and remote control units can be used in parallel with the programming unit.

Remote control units for the ventilation unit

MG WV

4-level pushbutton
Hardwired 4-level pushbutton
- Fan levels 1 to 4 manually selectable
- Filter change indicator

Can only be used in conjunction with Vitoconnect V.

7372092
246,–

Part no.
Euro

5.2

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Accessories		
Wireless accessories		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Button cell battery CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.* *Can only be used in conjunction with Vitoconnect V.*	ZK03839 **54,–**	Part no. **Euro**
ViCare repeater for surface mounting (low power radio) ■ Extension of the low power radio network for better connection of the ViCare components. Standard delivery: ■ 1 ViCare climate sensor ■ 1 plug-in power supply unit with power cable ■ Installation material for wall mounting *A ViCare repeater consists of a ViCare climate sensor without installed battery and a plug-in power supply unit. The ViCare repeater can be set up directly as a repeater in the ViCare app. Battery operation not possible. Socket required near the installation site.* *Can only be used in conjunction with Vitoconnect V.*	ZK05390 **121,–**	Part no. **Euro**

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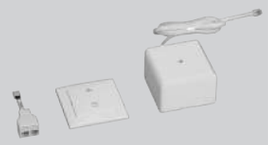
Accessories

Remote control units Type	H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Wireless operating switch with wireless receiver ■ 2-step switch including batteries ■ For temporarily switching the ventilation unit to intensive ventilation ■ Operation of one ventilation unit with up to 6 wireless operating switches parallel to the remote control		ZK01374 **834,–**					Part no. **Euro**
Wireless operating switch without wireless receiver (A wireless receiver must be available) ■ 2-step switch including batteries ■ For temporarily switching the ventilation unit to intensive ventilation ■ Operation of one ventilation unit with up to 6 wireless operating switches parallel to the remote control		ZK01375 **143,–**					Part no. **Euro**
Control and operating accessories If the ventilation unit is connected to the heat generator, accessories can be used to operate the entire system. ►See heat generator control accessories.							

Notes:
Accessories for flow rate control and remote control units can be used in parallel with the programming unit.

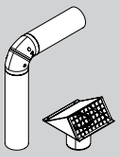
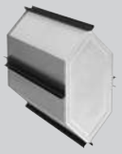
Accessories Type	H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Electric preheating coil Suitable for the ventilation unit connectors. ■ Additional preheating coil for continuous balanced operation of the ventilation unit when outside temperatures are very low (application in passive houses) ■ Fully wired. ■ Up to max. 1 kW		ZK05958 **755,–**	ZK05283 **748,–**		ZK05284 **776,–**		Part no. **Euro**

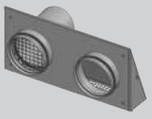
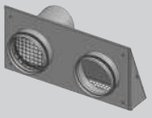
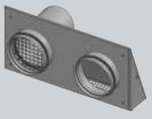
5.2

VITOVENT 300-W

Ventilation units with heat recovery
- Wall mounted

Accessories

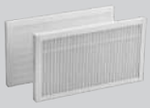
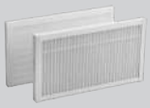
Accessories Type		H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Compact outdoor air or exhaust air outlet ■ For routing air via the installation wall. Designed for Vitovent 200-W/300-W. ■ EPP pipe and female connection ■ External wall outlet, white, with bird guard		–	ZK01840 **365,–**		ZK01841 **375,–**			Part no. **Euro**
Enthalpy heat exchanger ■ For the recovery of heat and moisture from the extract air ■ Used instead of the countercurrent heat exchanger which is part of the standard delivery. ■ Can be cleaned (washable) ■ Antibacterial effect ■ Results in a lower freezing limit of the heat exchanger.		–	ZK05285 **1.691,–**				7973279 **1.374,–**	Part no. **Euro**
Mounting base For floorstanding installation of the Vitovent 200-W/300-W.		ZK05959 **270,–**	ZK05286 **268,–**				7973282 **217,–**	Part no. **Euro**

Outdoor air and exhaust air apertures Type		H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
Combi external wall grille ■ Combined outdoor and exhaust air outlet in one element ■ With wall outlet ■ DN 125 ■ Distance between axes: 233.5 mm ■ Colour/material: Stainless steel *For direct air routing via the external wall, use the compact 90° bend.*		7377389 **402,–**	–					Part no. **Euro**
Combi external wall grille ■ Combined outdoor and exhaust air outlet in one element ■ With wall outlet ■ DN 160 ■ Distance between axes: 280 mm ■ Colour/material: Stainless steel *For direct air routing via the external wall, use the compact 90° bend.*		–	7377390 **459,–**	–				Part no. **Euro**
Combi external wall grille ■ Combined outdoor and exhaust air outlet in one element ■ With wall outlet ■ DN 180 ■ Distance between axes: 280 mm ■ Colour/material: Stainless steel *For direct air routing via the external wall, use the compact 90° bend.*		–			7377391 **487,–**			Part no. **Euro**

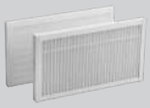
5.2

Accessories

Filter for Vitovent 300-W

Type		H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 %		ZK05956 **77,–**	**–**				7973281 **46,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit with enthalpy heat exchanger Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter F7 / ISO ePM1 50 %		**–**	ZK05288 **63,–**				**–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 %		ZK05957 **51,–**	ZK05289 **51,–**				7973280 **25,–**	Part no. **Euro**

Filters for Vitovent 300-W

Type		H32S A225	H32S C325	H32E C325	H32S C400	H32E C400	H32S A600	MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 %		**–**	ZK05287 **77,–**				**–**	Part no. **Euro**

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Vitoair

Header
Ductwork system for routing directly from the Vitoair or Vitovent ventilation unit to the air distributor
- Insulated EPP ductwork prevents the formation of condensation without the need for additional insulation measures.
- Flexible ductwork system for installation in tight spaces
- Outdoor and exhaust air apertures for hygienic installation of exhaust and outdoor air without thermal bridging

Benefits for trade partners
- Flexible solutions for new build and modernisation projects
- Simple planning with Vitoair Planner
- Fast, secure, click & go installation thanks to integral gaskets
- Viewing window for visible fault-free connections
- Highly flexible (pliable) ducts
- Easy to cut to length thanks to printed markings
- Fully compatible round and flat ducts and system components

Benefits for users
- Flow optimised design for silent operation
- Antibacterial inner walls for the highest standards of hygiene

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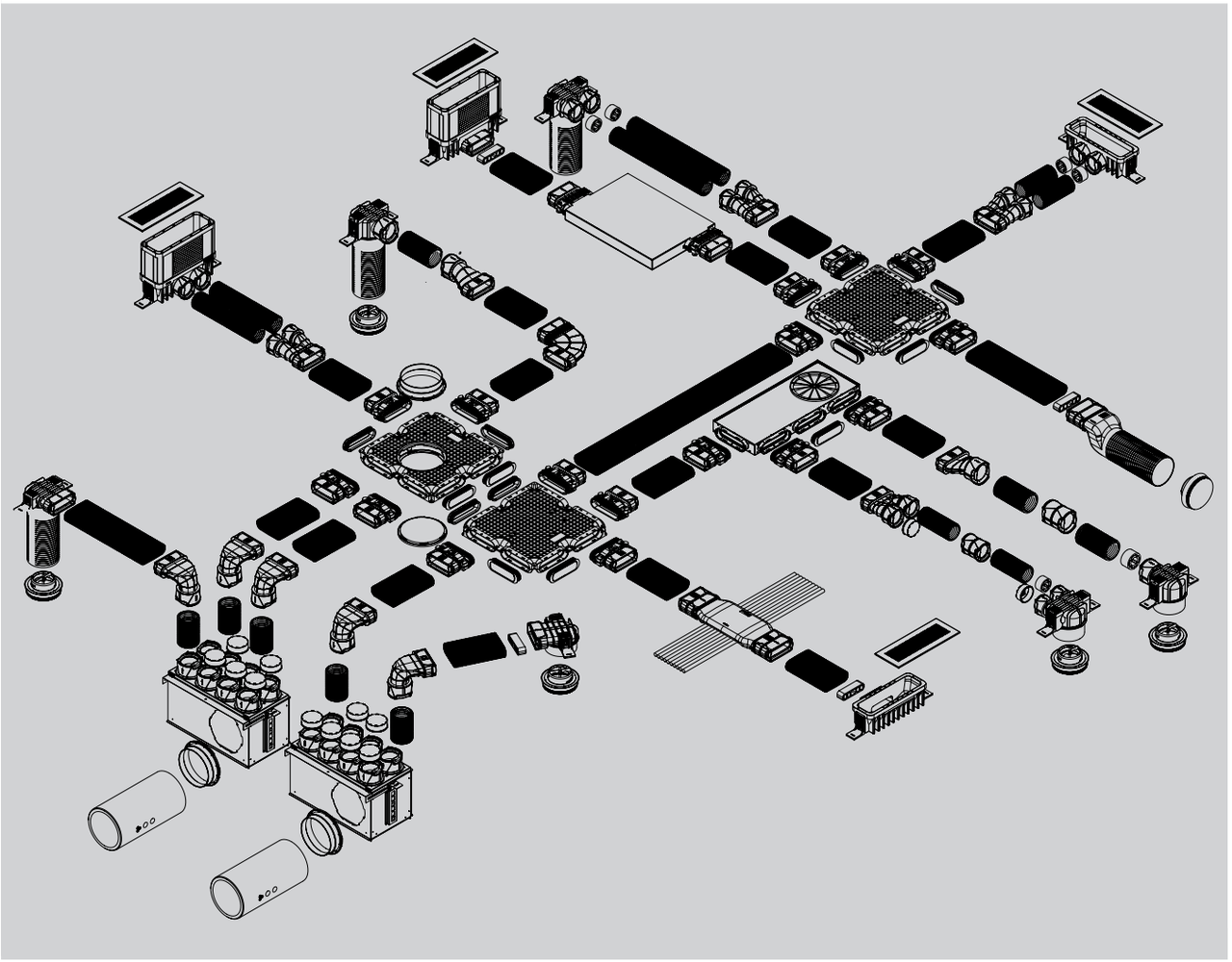
Services/selection aid

Ductwork selection aid

	Recommended nominal diameter		
Ventilation unit	DN 125	DN 160	DN 180
Wall mounted			
■ Vitovent 300-W, type H32S A225	X		
■ Vitovent 300-W, type H32S C325		X	
■ Vitovent 300-W, type H32S C400			X
■ Vitovent 300-W, type H32S A600			X
Suspended from ceiling			
■ Vitoair FS, type 300E		X	

Example
Plastic air distribution system (flat/round)



Notes:
The illustration shows a general example. This does not replace the need for on-site engineering.

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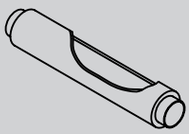
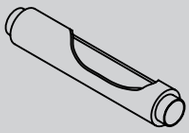
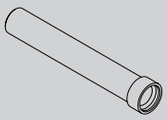
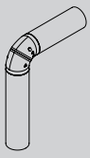
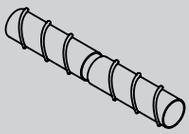
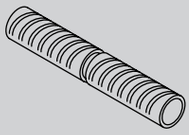
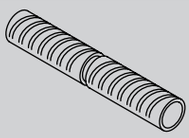
Header Ductwork (DN)		125	160	180	MG WV
Silencer ■ Made from flexible pipe ■ Packing thickness 25 mm ■ Length 1 m		–	9521461 **141,–**	7373027 **177,–**	Part no. **Euro**
Silencer ■ Made from flexible pipe ■ Packing thickness 50 mm ■ Length 1 m		7249105 **123,–**	ZK03036 **141,–**	ZK03037 **160,–**	Part no. **Euro**
Pipe with female connection ■ Made from EPP, heat-insulating ■ 1 m long; may be trimmed to size		7501764 **45,–**	7501765 **61,–**	7501766 **70,–**	Part no. **Euro**
90° bend with female connection ■ Made from EPP, heat-insulating ■ Can also be split and used as a 45° bend		7501767 **36,–**	7501768 **45,–**	7501769 **57,–**	Part no. **Euro**
90° bend, compact ■ 90° bend with small radius ■ For routing outdoor air and exhaust air via the installation wall with Vitovent 300-W ■ 1 m EPP pipe, vertical with welded 90° bend, 0.5 m EPP pipe, horizontal, adjustable EPP female connection – pipes can be cut to length as required		–	7202969 **202,–**	7202970 **202,–**	Part no. **Euro**
Connection sleeve Made from EPP, heat-insulating		7501770 **11,10**	7501771 **11,10**	7501772 **14,10**	Part no. **Euro**
Sliding female connection ■ To simplify subsequent dismantling of air distribution system ■ Made from EPP, heat-insulating		ZK01770 **31,–**	ZK01890 **31,–**	ZK01891 **31,–**	Part no. **Euro**
Mounting bracket For fixing the header to a wall or ceiling			7501773 **14,10**		Part no. **Euro**
Folded spiral-seam tube Length 3 m		7249104 **70,–**	9521428 **98,–**	7373026 **110,–**	Part no. **Euro**
Flexible pipe ■ Incl. thermal insulation ■ Very flexible aluminium laminate hose ■ Aluminium inner coating ■ Flexible length of 1 to 6 m, can be trimmed/clinched ■ Delivery length: 6 m		ZK02535 **120,–**	ZK02536 **141,–**	ZK02537 **155,–**	Part no. **Euro**
Flexible pipe ■ Excl. thermal insulation ■ Plastic duct with aluminium inner coating ■ Flexible length of 1 to 10 m, can be trimmed/clinched ■ Delivery length: 10 m		ZK02532 **82,–**	ZK02533 **104,–**	ZK02534 **125,–**	Part no. **Euro**
Clamp, flexible pipe (10 pce) To secure the flexible pipe to the ventilation unit and components.		ZK02644 **39,–**	ZK02645 **39,–**	ZK02646 **39,–**	Part no. **Euro**
Connection piece To join two folded spiral-seam tubes or flexible ducts.		7249103 **10,10**	9521437 **13,–**	7373025 **14,10**	Part no. **Euro**

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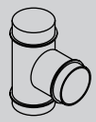
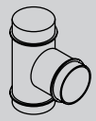
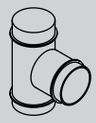
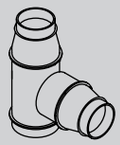
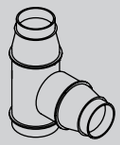
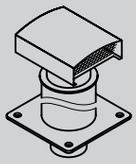
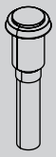
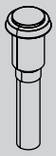
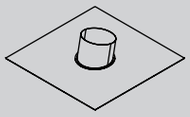
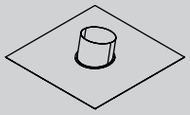
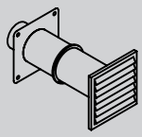
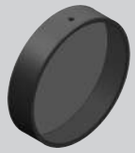
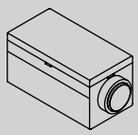
Header Ductwork (DN)		125	160	180	MG WV
Iris diaphragm For reducing the airflow rate in the case of high pressure differentials between different distribution levels		ZK01898 **117,–**	ZK01899 **117,–**	**–**	Part no. **Euro**
90 ° bend Made from zinc-plated sheet steel.		7249106 **39,–**	9521431 **57,–**	7373028 **80,–**	Part no. **Euro**
45 ° bend Made from zinc-plated sheet steel.		7249107 **35,–**	9521725 **43,–**	7373029 **53,–**	Part no. **Euro**
Tee ■ Made from zinc-plated sheet steel ■ Outlet 90° ■ DN 125/125/125		7249110 **47,–**	**–**		Part no. **Euro**
Tee ■ Made from zinc-plated sheet steel ■ Outlet 90° ■ DN 160/160/160		**–**	7190179 **93,–**	**–**	Part no. **Euro**
Tee ■ Made from zinc-plated sheet steel ■ Outlet 90° ■ DN 180/180/180		**–**		7373031 **99,–**	Part no. **Euro**
Tee ■ Made from zinc-plated sheet steel ■ Outlet 90° ■ DN 125/100/100		7299292 **107,–**	**–**		Part no. **Euro**
Tee ■ Made from zinc-plated sheet steel ■ Outlet 90° ■ DN 160/125/125		**–**	7299293 **121,–**	**–**	Part no. **Euro**
Reducer ■ Made from zinc-plated sheet steel ■ DN 125/100		7249109 **47,–**	**–**		Part no. **Euro**
Reducer ■ Made from zinc-plated sheet steel ■ DN 160/125		7249108 **63,–**		**–**	Part no. **Euro**
Reducer ■ Made from zinc-plated sheet steel ■ DN 180/160		**–**	7373030 **66,–**		Part no. **Euro**
Reducer ■ Made from zinc-plated sheet steel ■ DN 200/180		**–**		7973368 **41,–**	Part no. **Euro**
Reducer, insulated ■ Made from zinc-plated sheet steel ■ DN 200/180		**–**		7973369 **49,–**	Part no. **Euro**

5.3

Outdoor air and exhaust air apertures Ductwork		125	160	180	MG WV
Outdoor and exhaust air outlets ►Outdoor and exhaust air outlets adapted to the ventilation units (e.g., combined outdoor and exhaust air outlet in one element); see appliance price sheets. ►Combined external wall outlet with Vitocal 200-A; see Register 2 of price sheet for Vitocal 200-A.					
Roof outlet (pitched roof) For outdoor air and exhaust air ■ Made from stainless steel, natural ■ Removable hood ■ With lead flashing and bird guard ■ With insulation sleeve ■ EPP pipe sleeve Ø 200 (internal) and Ø 300 mm (external) prevents thermal bridging *The Vitovent 300 with connections DN 125 requires one reducer DN 160/125 and flexible pipe.*		–	9562054 **543,–**		Part no. **Euro**
Roof outlet For outdoor air and exhaust air ■ Colour: **Black** ■ With bird guard and insulation sleeve ■ Length 1 m		7501780 **189,–**	7501781 **218,–**		Part no. **Euro**
Roof outlet For outdoor air and exhaust air ■ Colour: **Terracotta** ■ With bird guard and insulation sleeve ■ Length 1 m		ZK01906 **190,–**	ZK01907 **216,–**		Part no. **Euro**
Flat roof connection for roof outlet *For roof outlet, part no. 7501780, 7501781, ZK01906 and ZK01907.*		7501782 **43,–**	7501783 **43,–**		Part no. **Euro**
Universal roof tile for roof pitches 20° to 50° ■ For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover ■ Colour: **Black** *For roof outlet, part no. 7501780 and 7501781.*		7501784 **197,–**	7501787 **197,–**		Part no. **Euro**
Universal roof tile for roof pitches 20° to 50° ■ For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover ■ Colour: **Terracotta** *For roof outlet, part no. ZK01906 and ZK01907.*		ZK01908 **197,–**	ZK01909 **197,–**		Part no. **Euro**
External wall outlet With weather grille, insect guard and insulating sleeves ■ Extremely low pressure drop with a large unobstructed cross-section ■ EPP pipe sleeve Ø 200 (internal) and Ø 300 mm (external) prevents thermal bridging ■ For wall thicknesses from 300 to 600 mm ■ Ø 160 mm with plastic grille ■ Ø 180 mm with stainless steel grille		–	9562053 **335,–**	7439114 **469,–**	Part no. **Euro**

5.3

Outdoor air and exhaust air apertures Ductwork		125	160	180	MG WV
External wall cover For direct connection to EPP pipe ■ With bird guard ■ With drip edge ■ Colour: White (sheet metal)		ZK03025 **129,–**	ZK03026 **123,–**	ZK03027 **130,–**	Part no. **Euro**
Design external wall cover For direct connection to EPP pipe ■ With bird guard ■ With drip edge ■ Stainless steel		ZK05350 **78,–**	ZK05351 **85,–**	ZK05352 **87,–**	Part no. **Euro**
Outdoor and exhaust air add-on To divert the outdoor and exhaust air routing above ground level ■ To meet enhanced hygiene requirements to DIN 1946-6 ■ Protection from intake of leaves, snow etc.		ZK01896 **590,–**		ZK01897 **706,–**	Part no. **Euro**
Bird guard for outdoor and exhaust air add-on		ZK01893 **49,–**		ZK01894 **49,–**	Part no. **Euro**
Insect guard for outdoor and exhaust air add-on		ZK01892 **49,–**		ZK01895 **49,–**	Part no. **Euro**
Extension for outdoor and exhaust air add-on For extending the outdoor and exhaust air add-on by 500 mm		7528052 **70,–**		7528053 **70,–**	Part no. **Euro**
Outdoor air filter box with connection pieces For installation in the outdoor air duct ■ Thermally insulated plastic (EPP) casing ■ Pocket filter F7 ■ With connection piece suitable for the ductwork		ZK01262 **508,–**	ZK01263 **408,–**	ZK01264 **514,–**	Part no. **Euro**

Accessories Ductwork	125	160	180	MG WV
Cold shrink tape 1 roll of 15 m	7143928 **47,–**			Part no. **Euro**

5.3

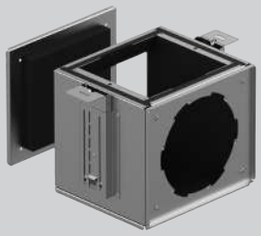
Air distribution boxes and connecting plates

Air distribution

MG WV

Notes:
- Also order one connecting plate and one distributor connector for every main connection on the air distribution box.

Air distribution box compact XS
- Air distribution box made from stainless steel plate, suitable for supply air or extract air
- Integral sound-absorbing lining and inspection port; can be installed on wall or ceiling; incl. bracket
- For connecting 1 distributor connector
- Holds one XS connecting plate either at the front or top
- Dimensions: Width 266 mm x height 238 mm x depth 249 mm
- Permissible max. flow rate 160 m³/h



7377369 **130,–** | Part no. **Euro**

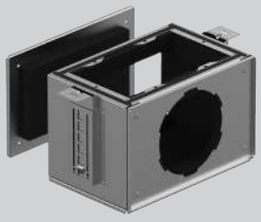
4-way connecting plate R75 XS
- Connecting plate made from stainless steel plate for installation on air distribution box compact XS
- 4x connections for direct connection to round duct R75
- 1x sealing plug for round duct R75
- Dimensions: Width 266 mm x height 227 mm x depth 74 mm

7377370 **69,–** | Part no. **Euro**

4-way connecting plate R90 XS
- Connecting plate made from stainless steel plate for installation on air distribution box compact XS
- 4x connections for direct connection to round duct R90
- 1x sealing plug for round duct R90
- Dimensions: Width 266 mm x height 227 mm x depth 83 mm

7377371 **75,–** | Part no. **Euro**

Air distribution box compact S
- Air distribution box made from stainless steel plate, suitable for supply air or extract air
- Integral sound-absorbing lining and inspection port; can be installed on wall or ceiling; incl. bracket
- For connecting 1 distributor connector
- Holds one S connecting plate either at the front or top
- Dimensions: Width 360 mm x height 238 mm x depth 249 mm
- Permissible max. flow rate 240 m³/h



7377372 **156,–** | Part no. **Euro**

6-way connecting plate R75 S
- Connecting plate made from stainless steel plate for installation on air distribution box compact S
- 6x connections for direct connection to round duct R75
- 1x sealing plug for round duct R75
- Dimensions: Width 360 mm x height 227 mm x depth 74 mm

7377373 **89,–** | Part no. **Euro**

5.3

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Air distribution boxes and connecting plates

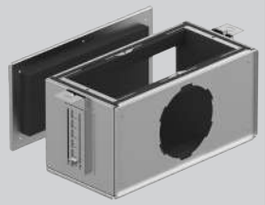
Air distribution

MG WV

6-way connecting plate R90 S
- Connecting plate made from stainless steel plate for installation on air distribution box compact S
- 6x connections for direct connection to round duct R90
- 1x sealing plug for round duct R90
- Dimensions: Width 360 mm x height 227 mm x depth 83 mm

7377374 **92,–** | Part no. **Euro**

Air distribution box compact M
- Air distribution box made from stainless steel plate, suitable for supply air or extract air
- Integral sound-absorbing lining and inspection port; can be installed on wall or ceiling; incl. bracket
- For connecting 1 distributor connector
- Holds one M connecting plate either at the front or top
- Dimensions: Width 470 mm x height 238 mm x depth 249 mm
- Permissible max. flow rate 320 m³/h



7377375 **180,–** | Part no. **Euro**

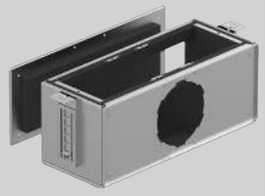
8-way connecting plate R75 M
- Connecting plate made from stainless steel plate for installation on air distribution box compact M
- 8x connections for direct connection to round duct R75
- 1x sealing plug for round duct R75
- Dimensions: Width 470 mm x height 227 mm x depth 74 mm

7377376 **112,–** | Part no. **Euro**

8-way connecting plate R90 M
- Connecting plate made from stainless steel plate for installation on air distribution box compact M
- 8x connections for direct connection to round duct R90
- 1x sealing plug for round duct R90
- Dimensions: Width 470 mm x height 227 mm x depth 83 mm

7377377 **119,–** | Part no. **Euro**

Air distribution box compact L
- Air distribution box made from stainless steel plate, suitable for supply air or extract air
- Integral sound-absorbing lining and inspection port; can be installed on wall or ceiling; incl. bracket
- For connecting 1 distributor connector
- Holds one L connecting plate either at the front or top
- Dimensions: Width 582 mm x height 238 mm x depth 249 mm
- Permissible max. flow rate 400 m³/h



7377378 **207,–** | Part no. **Euro**

10-way connecting plate R75 L
- Connecting plate made from stainless steel plate for installation on air distribution box compact L
- 10x connections for direct connection to round duct R75
- 1x sealing plug for round duct R75
- Dimensions: Width 582 mm x height 227 mm x depth 74 mm

7377379 **147,–** | Part no. **Euro**

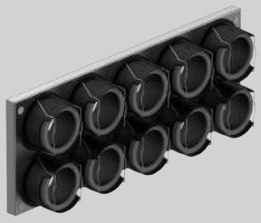
5.3

Air distribution boxes and connecting plates

Air distribution

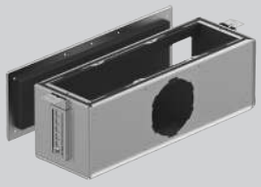
MG WV

10-way connecting plate R90 L
- Connecting plate made from stainless steel plate for installation on air distribution box compact L
- 10x connections for direct connection to round duct R90
- 1x sealing plug for round duct R90
- Dimensions: Width 582 mm x height 227 mm x depth 83 mm



7377380
156,–
Part no.
Euro

Air distribution box compact XL
- Air distribution box made from stainless steel plate, suitable for supply air or extract air
- Integral sound-absorbing lining and inspection port; can be installed on wall or ceiling; incl. bracket
- For connecting 1 distributor connector
- Holds one XL connecting plate either at the front or top
- Dimensions: Width 695 mm x height 238 mm x depth 249 mm
- Permissible max. flow rate 460 m³/h

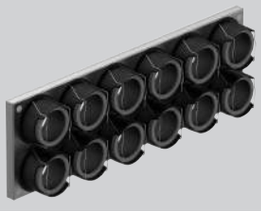


7377381
231,–
Part no.
Euro

12-way connecting plate R75 XL
- Connecting plate made from stainless steel plate for installation on air distribution box compact XL
- 12x connections for direct connection to round duct R75
- 1x sealing plug for round duct R75
- Dimensions: Width 695 mm x height 227 mm x depth 74 mm

7377382
167,–
Part no.
Euro

12-way connecting plate R90 XL
- Connecting plate made from stainless steel plate for installation on air distribution box compact XL
- 12x connections for direct connection to round duct R90
- 1x sealing plug for round duct R90
- Dimensions: Width 695 mm x height 227 mm x depth 83 mm



7377383
176,–
Part no.
Euro

Air distribution box DN 125 F50
- Compact supply and extract air distributor in a single component
- Integral sound insulation
- Connection and dimensions designed for Vitovent 200-C and Vitovent 300-C
- For direct connection to the air distribution system via connecting pieces
- 4 supply air and 4 extract air connections for flat duct F50
- 4 sealing plug

Dimensions: 660 x 500 x 200 mm

7377016
739,–
Part no.
Euro

Air distribution box DN 125 R75
- Compact supply and extract air distributor in a single component
- Integral sound insulation
- Connection and dimensions designed for Vitovent 200-C and Vitovent 300-C
- For direct connection to the air distribution system via connecting pieces
- 8 supply air and 8 extract air connections for round duct R75
- 6 sealing plug

Dimensions: 660 x 500 x 200 mm

7377017
739,–
Part no.
Euro

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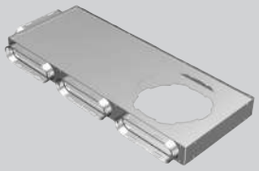
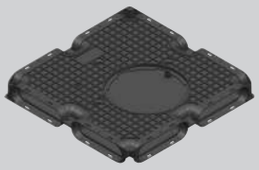
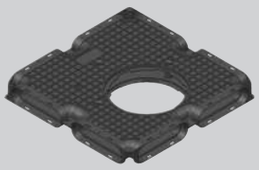
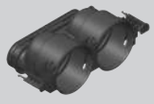
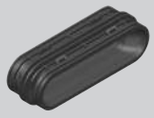
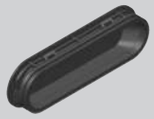
Air distribution boxes and connecting plates

Air distribution

		MG WV
4-way air distributor, intermediate level ■ Modular distributor ■ Recommended max. air flow rate 120 m³/h ■ Installation at the distribution level ■ Open top and bottom ■ 4 connections for air distribution (via connection pieces) ■ For connecting 2 distributor connections ■ 2 sealing plug Dimensions: 600 x 240 x 47 mm *Order connection pieces separately for each connection to profiles.* 	ZK06242 **141,–**	Part no. **Euro**
8-way air distributor, final level ■ Modular distributor ■ Recommended max. air flow rate 150 m³/h ■ Installation at the final level ■ Closed on one side ■ 8 connections for air distribution (via connection pieces) ■ For connecting 1 distributor connector ■ 4 sealing plug ■ May be extended by means of internal connectors Dimensions: 420 x 420 x 52 mm *Order connection pieces separately for each connection to profiles.* 	ZK06243 **169,–**	Part no. **Euro**
8-way air distributor, intermediate level ■ Modular distributor ■ Recommended max. air flow rate 150 m³/h ■ Installation at the intermediate level ■ Open top and bottom ■ For connecting 2 distributor connections ■ 8 connections for air distribution (via connection pieces) ■ 4 sealing plug ■ May be extended by means of internal connectors Dimensions: 420 x 420 x 52 mm *Order connection pieces separately for each connection to profiles.* 	ZK06244 **159,–**	Part no. **Euro**

Connection pieces

		MG WV
Connection piece F50 For connection to 4-way and 8-way air distributors ■ Integral gasket and fixing bracket	7372830 **16,–**	Part no. **Euro**
Connection piece, round duct ⑲ ■ For connecting max. 2 round ducts, external diameter 75 mm ■ Includes gaskets and locating pins ■ 1 cover 	ZK01874 **12,–**	Part no. **Euro**
Internal connector ■ For connecting 8-way air distributors 	ZK01871 **30,–**	Part no. **Euro**
Distributor connection cover, flat ■ For sealing unused connections on 4 and 8-way distributors 	ZK01870 **14,–**	Part no. **Euro**

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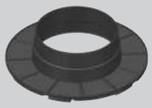
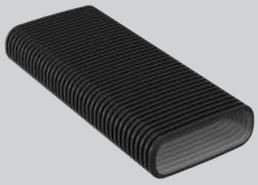
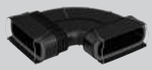
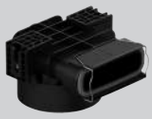
Air distribution boxes and connecting plates			
Distributor connections			MG WV
Distributor connector ■ DN 125 ■ For connecting the header		ZK01866 **25,–**	Part no. **Euro**
Distributor connector ■ DN 160 ■ For connecting the header		ZK01867 **25,–**	Part no. **Euro**
Distributor connector ■ DN 180 ■ For connecting the header		ZK01868 **27,–**	Part no. **Euro**
Distributor connection cover, round ■ For sealing unused distributor connectors		ZK01869 **21,–**	Part no. **Euro**

Components of the flat duct system		
Duct systems		MG WV
Vitoair F50 flat duct ■ Flexible, walk-on flat duct made from plastic (PE) ■ Certified antibacterial effectiveness. Smooth inside, corrugated outside. ■ Certified microbial verification to ISO 846 ■ Printed cut markings every metre Dimensions: 140 x 50 mm 		
Vitoair F50 flat duct ■ Packing unit: 50 m	Z023106 **655,–**	Part no. **Euro**
Vitoair F50 flat duct ■ Packing unit: 25 m	Z023105 **313,–**	Part no. **Euro**
Vitoair F50 flat duct ■ Packing unit: 2 m	7372922 **38,–**	Part no. **Euro**
F50 connector ■ For connecting flat ducts F50 ■ Integral gasket and fixing bracket	7372824 **19,10**	Part no. **Euro**
90° bend, narrow side F50 ■ For compact diversion of flat duct F50 at the distribution level ■ Integral gasket and fixing bracket 	7372833 **40,–**	Part no. **Euro**
90° bend, wide side F50 ■ For compact diversion of flat duct F50 at the distribution level ■ Integral gasket and fixing bracket	7372834 **33,–**	Part no. **Euro**
Adaptor, F50 to F90 ■ Straight adaptor from flat duct F50 to round duct R90 ■ Integral gasket and fixing bracket	7372827 **19,10**	Part no. **Euro**
90° bend, F50 to R90 ■ 90° bend for connecting flat duct F50 to round duct R90 ■ Integral gasket and fixing bracket	7372828 **21,–**	Part no. **Euro**
Adaptor, F50 to 2x R75 ■ For connecting flat duct F50 to 2 round ducts R75 ■ Integral gasket and fixing bracket ■ 1 sealing plug	7372829 **24,–**	Part no. **Euro**
Cable bridge F50 ■ For bridging cables with a diameter of up to 22 mm. ■ Can also be used for crossing F50 flat ducts.	7377282 **40,–**	Part no. **Euro**
Air diffuser casing F50 S ■ Air diffuser made of PP for connection of a Vitoair F50 flat duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ Connector length 48 mm 	7377338 **37,–**	Part no. **Euro**

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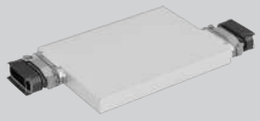
Components of the flat duct system

Duct systems

		MG WV
Air diffuser casing F50 L ■ Air diffuser made of PP for connection of a Vitoair F50 flat duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ Connector length 300 mm	7377339 **37,–**	Part no. **Euro**
Air diffuser casing, straight F50 ■ Air diffuser, straight, made of HDPE, for connection of a Vitoair F50 flat duct, universal application for supply air or extract air ■ Installation in wall or ceiling ■ Connector length 300 mm	7377344 **43,–**	Part no. **Euro**
Air diffuser casing F50 S, rectangular ■ Air diffuser, rectangular, made of PP, for connection of a Vitoair F50 flat duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ Overall height 100 mm (can be extended to 150 mm with the mounting brackets)	7377347 **48,–**	Part no. **Euro**
Air diffuser casing F50 L, rectangular ■ Air diffuser, rectangular, made of PP, for connection of a Vitoair F50 flat duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ Overall height 250 mm (can be extended to 300 mm with the mounting brackets)	7377354 **50,–**	Part no. **Euro**
Flat silencer, flat duct 50 ■ Installed height 56 mm ■ Can be used as in-line or duct silencer ■ 2 connections, flat duct 50 	ZK06245 **196,–**	Part no. **Euro**

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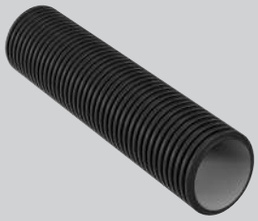
Components of the round duct system		
Duct systems		MG WV
Vitoair round duct ■ Flexible, walk-on round duct made from plastic (PE) ■ Certified antibacterial effectiveness. Smooth inside, corrugated outside. ■ Printed cut markings every metre 		
Vitoair round duct R75 ■ Packing unit: 50 m ■ Ø 75 mm	Z023108 **194,–**	Part no. **Euro**
Vitoair round duct R75 ■ Packing unit: 25 m ■ Ø 75 mm	Z023107 **104,–**	Part no. **Euro**
Vitoair round duct R90 ■ Packing unit: 50 m ■ Ø 90 mm	Z023111 **263,–**	Part no. **Euro**
Vitoair round duct R90 ■ Packing unit: 25 m ■ Ø 90 mm	Z023110 **127,–**	Part no. **Euro**
Vitoair round duct R90 ■ Packing unit: 2 m ■ Ø 90 mm	7372921 **16,60**	Part no. **Euro**
R75 connector ■ For connecting 2 round ducts R75 ■ Integral gasket and fixing bracket	7372825 **14,–**	Part no. **Euro**
R90 connector ■ For connecting 2 round ducts R90 ■ Integral gasket and fixing bracket	7372826 **15,90**	Part no. **Euro**
90° bend R75 ■ For tight diversions in the distribution network ■ Integral gasket and fixing bracket ■ Can be trimmed; direct installation onto the profile or connecting plate	7372923 **27,–**	Part no. **Euro**
90° bend R90 ■ For tight diversions in the distribution network ■ Integral gasket and fixing bracket ■ Can be trimmed; direct installation onto the profile or connecting plate	7372924 **27,–**	Part no. **Euro**
Adaptor, F50 to F90 ■ Straight adaptor from flat duct F50 to round duct R90 ■ Integral gasket and fixing bracket	7372827 **19,10**	Part no. **Euro**

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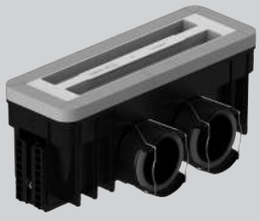
Components of the round duct system

Duct systems

		MG WV
90° bend, F50 to R90 ■ 90° bend for connecting flat duct F50 to round duct R90 ■ Integral gasket and fixing bracket	7372828 **21,–**	Part no. **Euro**
Adaptor, F50 to 2x R75 ■ For connecting flat duct F50 to 2 round ducts R75 ■ Integral gasket and fixing bracket ■ 1 sealing plug	7372829 **24,–**	Part no. **Euro**
Air diffuser casing R75 S ■ Air diffuser made of PP for connection of a Vitoair R75 round duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ 1x sealing plug for round duct R75 ■ Connector length 64 mm	7377340 **40,–**	Part no. **Euro**
Air diffuser casing R75 L ■ Air diffuser made of PP for connection of a Vitoair R75 round duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ 1x sealing plug for round duct R75 ■ Connector length 300 mm	7377341 **40,–**	Part no. **Euro**
Air diffuser casing, straight R75 ■ Air diffuser, straight, made of HDPE, for connection of a Vitoair R75 round duct, universal application for supply air or extract air ■ Installation in wall or ceiling ■ 1x sealing plug for round duct R75 ■ Connector length 300 mm	7377351 **48,–**	Part no. **Euro**
Air diffuser casing R75 S, rectangular ■ Air diffuser, rectangular, made of PP, for connection of a Vitoair R75 round duct, universal application for supply air or extract air, incl. mounting bracket ■ Installation in wall, floor or ceiling ■ Secured by means of adjustable mounting brackets ■ 1x sealing plug for round duct R75 ■ Overall height 130 mm (can be extended to 180 mm with the mounting brackets) 	7377350 **50,–**	Part no. **Euro**
Mounting attachment, rectangular, 230 mm ■ Mounting attachment for unfinished concrete for air diffuser casing, rectangular ■ Extension of up to 230 mm ■ Can be trimmed to individual requirements	7973069 **53,–**	Part no. **Euro**

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Components of the round duct system

Duct systems

MG WV

Air diffuser casing R75 L, rectangular
- Air diffuser, rectangular, made of PP, for connection of a Vitoair R75 round duct, universal application for supply air or extract air, incl. mounting bracket
- Installation in wall, floor or ceiling
- Secured by means of adjustable mounting brackets
- 1x sealing plug for round duct R75
- Overall height 280 mm (can be extended to 330 mm with the mounting brackets)

7377353 **53,–** | Part no. **Euro**

Air diffuser casing R90 S
- Air diffuser made of PP for connection of a Vitoair R90 round duct, universal application for supply air or extract air, incl. mounting bracket
- Installation in wall, floor or ceiling
- Secured by means of adjustable mounting brackets
- Connector length 64 mm

7377342 **40,–** | Part no. **Euro**

Air diffuser casing set R90 S
- Air diffuser made of PP for connection of a Vitoair R90 round duct, universal application for supply air or extract air, incl. fixings
- Installation in cast-in-situ concrete formwork ceilings
- Secured by attachment to shuttering board using 3 steel nails
- Connector length 64 mm

7973059 **42,–** | Part no. **Euro**

Air diffuser casing R90 L
- Air diffuser made of PP for connection of a Vitoair R90 round duct, universal application for supply air or extract air, incl. mounting bracket
- Installation in wall, floor or ceiling
- Secured by means of adjustable mounting brackets
- Connector length 300 mm

7377343 **40,–** | Part no. **Euro**

Air diffuser casing, straight R90
- Air diffuser, straight, made of HDPE, for connection of a Vitoair R90 round duct, universal application for supply air or extract air
- Installation in wall or ceiling
- Connector length 300 mm

7377348 **48,–** | Part no. **Euro**

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Vents and cover grilles		
Vents and cover grilles		MG WV
"Comfort design" air diffuser		
Wall/ceiling air diffuser (design) ■ Retainer for design cover (order cover separately) ■ Restrictor can be pre-adjusted in line with the intended air flow rate ■ Max. air flow rate 60 m³/h ■ For diverter closed on one side and for straight through diverter ■ Mounting ring	ZK03038 **47,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Round, white ■ Sound-absorbing effect	ZK03039 **19,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Square, white ■ Sound-absorbing effect	ZK03040 **19,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Rounded, white ■ Sound-absorbing effect	ZK03041 **19,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Elliptical, white ■ Sound-absorbing effect	ZK03042 **19,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Rectangular, white ■ Sound-absorbing effect	ZK03043 **19,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Round, stainless steel look ■ Sound-absorbing effect	ZK03044 **28,–**	Part no. **Euro**
Supply and extract air design cover ■ For wall/ceiling air diffusers (design) ■ Supply and extract air ■ Square, stainless steel look ■ Sound-absorbing effect	ZK03045 **28,–**	Part no. **Euro**
Air deflector insert For adjusting the flow direction from the vent.	ZK03046 **7,–**	Part no. **Euro**

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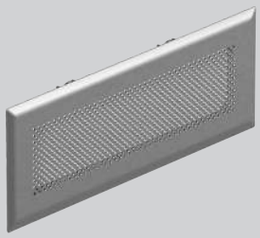
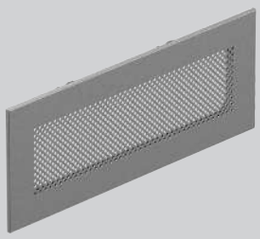
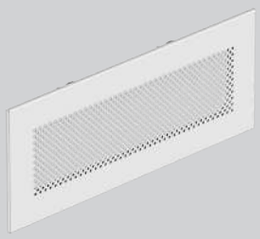
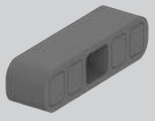
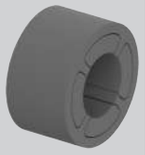
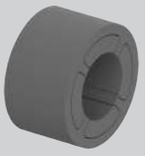
Vents and cover grilles		
Vents and cover grilles		MG WV
"Flat design" air diffuser		
Wall/ceiling air diffuser ■ Restrictor and cover retainer (order cover separately) ■ Restrictor can be pre-adjusted in line with the intended air flow rate ■ Including supply air and extract air filter G3 ■ Max. air flow rate 60 m³/h ■ For diverter closed on one side and for straight through diverter	ZK01855 **17,–**	Part no. **Euro**
Supply and extract air cover ■ For wall/ceiling air diffuser ■ Supply and extract air ■ Stainless steel look	ZK01856 **25,–**	Part no. **Euro**
Supply and extract air cover ■ For wall/ceiling air diffuser ■ Supply and extract air ■ Plastic ■ White	ZK01857 **25,–**	Part no. **Euro**
Swirl diffuser cover ■ For wall/ceiling air diffuser ■ Supply air ■ Stainless steel look	ZK01858 **57,–**	Part no. **Euro**
Swirl diffuser cover ■ For wall/ceiling air diffuser ■ Supply air ■ White	ZK01859 **57,–**	Part no. **Euro**
Wide-angle diffuser cover ■ For wall/ceiling air diffuser ■ Supply air ■ Stainless steel look	ZK01860 **57,–**	Part no. **Euro**
Wide-angle diffuser cover ■ For wall/ceiling air diffuser ■ Supply air ■ White	ZK01861 **57,–**	Part no. **Euro**

Vents and cover grilles		
Vents and cover grilles		MG WV
"Basic" vents		
Supply and extract air vent ■ White ■ Max. air flow rate 60 m³/h ■ For diverter closed on one side and for straight through diverter ■ Sound-absorbing effect ■ With gasket	ZK04570 **27,–**	Part no. **Euro**
Extract air vent ■ White ■ Max. air flow rate 60 m³/h ■ For diverter closed on one side and for straight through diverter ■ Sound-absorbing effect ■ With gasket	ZK04571 **24,–**	Part no. **Euro**
Floor grille, rectangular, hole E ■ Walk-on floor grille to fit rectangular air diffuser ■ Suitable for supply air ■ Stainless steel look ■ Includes fixtures for securing to rectangular air diffuser casing ■ Dimensions: 350 x 135 mm 	7377397 **53,–**	Part no. **Euro**
Wall grille, rectangular, hole E ■ Wall grille suitable for supply or extract air ■ Stainless steel look ■ Includes fixtures for securing to rectangular air diffuser casing ■ Dimensions: 350 x 135 mm 	7377398 **49,–**	Part no. **Euro**
Wall grille, rectangular, hole W ■ Wall grille suitable for supply or extract air ■ White, RAL 9003 ■ Includes fixtures for securing to rectangular air diffuser casing ■ Dimensions: 350 x 135 mm 	7377399 **49,–**	Part no. **Euro**
Kitchen extract air vent With removable grease filter made from woven aluminium. ■ Made of metal, painted white ■ Integral restrictor element ■ Flow rate up to 75 m³/h ■ DN 125	7440231 **209,–**	Part no. **Euro**

Connection pieces for flat and round ducts

Distribution system accessories

		MG WV
Gasket for connection piece ■ As a replacement for a damaged or lost gasket ■ On profile side	ZK01901 **8,–**	Part no. **Euro**
Retainer, air distribution box ■ As a replacement for a damaged or lost air distribution box retainer ■ Suitable for wall or ceiling installation. ■ 2 pce	7377464 **36,–**	Part no. **Euro**
Extension DN 125 ■ Extension of up to 100 mm for air diffuser casing and straight air diffuser casing	7522373 **34,–**	Part no. **Euro**
Restrictor element F50 To trim the pressure drop in the ductwork ■ Material: EVA ■ 10 pce 	7377364 **33,–**	Part no. **Euro**
Restrictor element R75 To trim the pressure drop in the ductwork ■ Material: EVA ■ 10 pce 	7377367 **33,–**	Part no. **Euro**
Restrictor element R90 To trim the pressure drop in the ductwork ■ Material: EVA ■ 10 pce 	7377368 **33,–**	Part no. **Euro**
Pipe cutters For burr-free and safe cutting of ventilation ducts ■ Low effort thanks to special cutting geometry and optimal transmission ratio ■ Ergonomic handle design ■ Handle: Plastic ■ Blade: Special tool steel	7372852 **56,–**	Part no. **Euro**
Replacement blades for pipe cutters 2 pce	7377424 **55,–**	Part no. **Euro**
Protective plug, round duct ■ For sealing open duct ends during construction ■ External diameter 75 mm	ZK01877 **3,–**	Part no. **Euro**
Protective plug, round duct ■ For sealing open duct ends during construction ■ External diameter 90 mm	ZK03116 **16,–**	Part no. **Euro**

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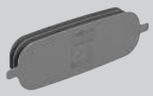
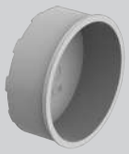
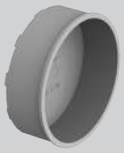
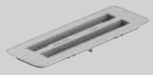
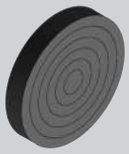
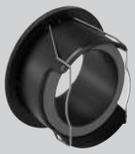
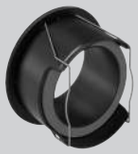
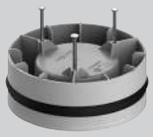
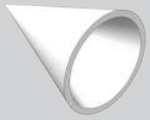
Connection pieces for flat and round ducts		
Distribution system accessories		MG WV
Sealing plug F50 ■ For sealing open duct ends during construction 	7372926 **3,20**	Part no. **Euro**
Sealing plug R75 ■ For sealing unused round duct connections on the profile (dummy plug) 	7372843 **2,50**	Part no. **Euro**
Sealing plug R90 ■ For sealing unused round duct connections on the profile (dummy plug) 	7372844 **12,50**	Part no. **Euro**
Cover DN 125 ■ For closing off the air diffuser casing during construction	7973060 **2,90**	Part no. **Euro**
Cover, rectangular ■ For closing off the rectangular air diffuser casing during construction 	7377360 **6,50**	Part no. **Euro**
Retaining clip for floor and wall grille ■ Retaining clip to replace lost retaining clips ■ 4 pce	7377867 **9,60**	Part no. **Euro**
Round restrictor element ■ Restrictor element for reducing the air flow rate in the air diffuser casing ■ Recommended to prevent flow noise in the case of substantial pressure differentials within the ductwork 	ZK01816 **8,–**	Part no. **Euro**
Cable ties ■ For securing the plastic duct prior to casting in concrete ■ 100 pce	ZK01903 **29,–**	Part no. **Euro** MG N
Trimming aids ■ Set of trimming aids to protect wall, floor and ceiling surfaces when trimming air diffusers	7973067 **61,–**	Part no. **Euro**
Connector R75 ■ As replacement for damaged or lost connectors ■ For connecting round duct R75 to connecting plate of distribution box 	7372835 **20,–**	Part no. **Euro**

Connection pieces for flat and round ducts

Distribution system accessories		MG WV
Connector R90 ■ As replacement for damaged or lost connectors ■ For connecting round duct R90 to connecting plate of distribution box 	7372836 **20,–**	Part no. **Euro**
Connector F50 ■ As replacement for damaged or lost connectors ■ For connecting F50 flat duct to DN 125 F50 air distribution box	7372837 **20,–**	Part no. **Euro**
Extension, rectangular, 150 mm ■ Extension of up to 150 mm for rectangular air diffuser casing ■ Can be trimmed to individual requirements	7377361 **28,–**	Part no. **Euro**
Fixing for air diffuser casing S ■ Installation on cast-in-situ concrete formwork ceilings ■ Attachment to shuttering board using 3 steel nails 	7377356 **12,10**	Part no. **Euro**
Mounting bracket, short ■ Mounting bracket made of plastic for securing the F50 air diffuser casing ■ As a replacement for a damaged or lost mounting bracket ■ Height can be adjusted by a further 22 mm as required ■ 2 pce, including 2x M8 cheese head screws	7377868 **8,60**	Part no. **Euro**
Mounting bracket, long ■ Mounting bracket made of plastic for securing the R75 & R90 air diffuser casings and F50 & R75 rectangular air diffuser casings ■ As a replacement for a damaged or lost mounting bracket ■ Height can be adjusted by a further 50 mm as required ■ 2 pce, including 2x M8 cheese head screws	7973077 **11,40**	Part no. **Euro**

Accessories		
Filter for extract air vents		MG WV
Extract air filter (G4) ■ For extract air vent DN 125 (part no. ZK04570 and ZK04571) and wall/ceiling air diffuser (design, part no. ZK03038) ■ 5 pce 	ZK01881 **38,–**	Part no. **Euro**
Filter for wall/ceiling air diffuser ■ For air diffuser (part no. ZK01855) ■ 5 pce	ZK01882 **38,–**	Part no. **Euro**
Filter for kitchen extract air vent For kitchen extract air vent part no. 7440231	ZK02531 **55,–**	Part no. **Euro**
Extract air filter, rectangular ■ Extract air filter for rectangular air diffuser ■ ISO Coarse ≥ 45 % (G4) ■ 5 pce	7973065 **22,–**	Part no. **Euro**

5.3

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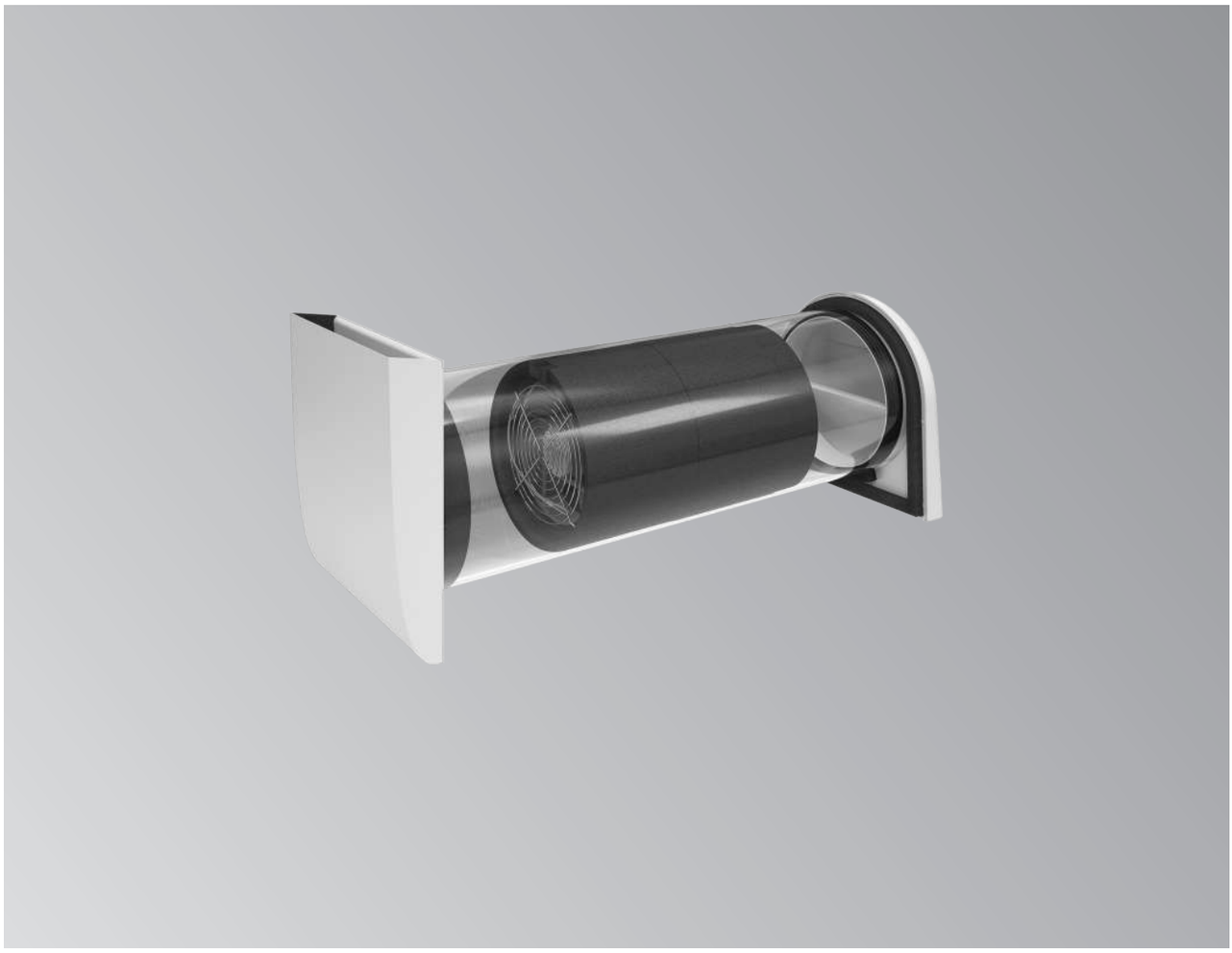
VITOVENT 050-D

Decentralised ventilation unit with heat recovery
for single rooms or apartments



5.4

Vitovent 050-D

Type H20E A43

- Air flow rate up to 43 m³/h
- 2 to 6 fans and one programming unit form one fan group.
- Operation with change of direction
- Simultaneous heat recovery and humidity control via integrated, cleanable ceramic thermal stores
- Tool-free maintenance from the living space
- Easy installation with standard Ø 162 mm core-drilled hole
- Energy cost savings through heat recovery
- Reliable moisture protection without having to frequently open windows.
- Easy operation with rotary controller or large buttons
- Airing mode for cooling during summer nights
- Installation in two steps with sets for unfinished walls and completion
- Star wiring configuration
- Anti-twist connections

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VITOVENT 050-D

Ventilation units with heat recovery
for single rooms or apartments

Ventilation units (decentralised)

Ventilation units Type	H20E A43	MG WV
Vitovent 050-D, type H20E A43 ■ 1 fan unit for wall mounting ■ Fan ■ Thermal store ■ Internal wall cover (white) ■ Filter (coarse filter) *A wall sleeve and external wall cover must also be ordered.*	Z015395 **464,–** A – A –	Part no. **Euro**

Specification		
Air flow rate		
■ Stage 1	16	m³/h
■ Stage 2	22	m³/h
■ Stage 3	30	m³/h
■ Stage 4	43	m³/h
Heat recovery level (Heat recovery and humidity control)	Up to 90	%
IP rating	IP 42	
Minimum diameter of core-drilled hole	162	mm
Dimensions of internal wall cover		
■ Width	190	mm
■ Height	214	mm
■ Depth	40	mm

5.4

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Ventilation units (decentralised)		
Covers & wall sleeves		MG WV
External wall cover ■ External wall cover (white), reduces draughts	ZK03627 **224,–**	Part no. **Euro**
Design stainless steel external wall cover ■ External wall cover (stainless steel), reduces draughts	ZK03629 **311,–**	Part no. **Euro**
Stainless steel external wall cover ■ External wall cover (stainless steel), reduces draughts	ZK04639 **296,–**	Part no. **Euro**
Installation element for window reveal, white ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973310 **337,–**	Part no. **Euro**
Installation element for window reveal, anthracite ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973309 **337,–**	Part no. **Euro**
Round wall sleeve ■ 500 mm long (can be trimmed to size) ■ Ø 160 mm ■ Protective plugs	ZK02707 **77,–**	Part no. **Euro**
Round wall sleeve ■ 700 mm long (can be trimmed to size) ■ Ø 160 mm ■ Protective plugs	ZK02708 **93,–**	Part no. **Euro**
Square installation set ■ Installation block to enclose the round wall sleeve with external wall cover ■ 3 % fall for secure installation ■ Material: Neopor	ZK02713 **86,–**	Part no. **Euro**

Please note:
For installation of the Vitovent, a wall sleeve **and** an external wall cover or the installation element for the window reveal must also be ordered.

5.4

Ventilation units (decentralised)

Programming units

		MG WV
Rotary controller ■ Programming unit with clear and simple design ■ Filter change indicator ■ Wall frame ■ Connection of up to 6 Vitovent 050-D ■ Star wiring configuration	ZK03626 **117,–**	Part no. **Euro**
Programming unit ■ Programming unit with clear structure and simple selection of all operating modes ■ Integral humidity sensor ■ Filter change indicator ■ Wall frame ■ Connection of up to 6 Vitovent 050-D ■ Star wiring configuration	ZK02952 **223,–**	Part no. **Euro**
WiFi programming unit ■ Control of the ventilation unit via the WiFi programming unit or via an app ■ Integral temperature, humidity and VOC sensor ■ Voice control compatible	ZK04640 **461,–**	Part no. **Euro**
Power supply unit, flush mounted ■ Connection of up to 6 Vitovent 050-D per power supply unit ■ Star wiring configuration	ZK02953 **183,–**	Part no. **Euro**
Power supply unit, top-hat rail ■ Connection of up to 6 Vitovent 050-D per power supply unit ■ Star wiring configuration	ZK02954 **183,–**	Part no. **Euro**

Accessories

		MG WV
Sound insulation set ■ Appliance insert with sound-absorbing effect ■ Reduction in fan noise and outside noise	ZK02955 **57,–**	Part no. **Euro**

5.4

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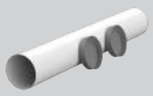
Ventilation units (decentralised)		
Extract air fans		MG WV
For extract air areas with external walls		
Vitovent 100-D, type E200 A68 ■ Extract air fan, max. flow rate 68 m³/h ■ Humidity module with run-on control ■ For wall or ceiling mounting ■ Sealable internal wall cover (white) ■ Dimensions of internal wall cover - Width 197 mm - Height 197 mm - Depth 40 mm	ZK02705 **331,–**	Part no. **Euro**
Vitovent 100-D, type E100 A68 ■ Extract air fan, max. flow rate 68 m³/h ■ Run-on control, time-based ■ For wall or ceiling mounting ■ Sealable internal wall cover (white) ■ Dimensions of internal wall cover - Width 197 mm - Height 197 mm - Depth 40 mm	ZK02706 **286,–**	Part no. **Euro**
Set for unfinished walls, round wall sleeve with cap ■ Wall sleeve, 500 mm long ■ Ø 104 mm ■ Cap ■ Protective plugs	ZK02717 **72,–**	Part no. **Euro**
Round wall sleeve for extract air ■ Ø 104 mm ■ Length 500 mm 	ZK02718 **27,–**	Part no. **Euro**
Installation element for window reveal, extract air, white ■ Installation element with reduction to DN 100 ■ Can be used with extract air fans, type Maico AWB 100 HC/TC ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973313 **337,–**	Part no. **Euro**
Installation element for window reveal, extract air, anthracite ■ Installation element with reduction to DN 100 ■ Can be used with extract air fans, type Maico AWB HC/TC ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973312 **337,–**	Part no. **Euro**

5.4

Ventilation units (decentralised)		
Extract air fans		MG WV
For extract air areas without external walls		
Vitovent 100-D, type E300 ■ Universal extract air fan, including internal wall cover in white ■ For internal wet rooms such as a bathroom, WC or kitchen ■ Complies with the specifications of DIN 18017-3 ■ Dimensions of internal wall cover: - Width 260 mm - Height 260 mm - Depth 55 mm *Flush mounted enclosure and control module required*	Z017684 **243,–**	Part no. **Euro**
Plastic flush mounted enclosure ■ Flat flush mounted enclosure made from plastic ■ Connector DN 75 ■ Including plaster cover ■ Dimensions: - Width 270 mm - Height 270 mm - Depth 85 mm *For Vitovent 100-D, type E300 only*	ZK04629 **53,–**	Part no. **Euro**
Fire safety flush mounted enclosure ■ Flat flush mounted enclosure made from calcium silicate fire-resistant plates ■ Connector DN 75 ■ Including plaster cover ■ Dimensions: - Width 255 mm - Height 255 mm - Depth 85 mm *For Vitovent 100-D, type E300 only*	ZK04630 **118,–**	Part no. **Euro**
Control module 1-stage, type E-N ■ Air flow rate: 60 m³/h ■ Adjustable start delay and run-on *Suitable for use in combination with Vitovent 100-D, type H00E and Vitovent 050-D, type H20E.*	ZK04631 **118,–**	Part no. **Euro**
Control module 1-stage, type E-N-F ■ Air flow rate: 60 m³/h ■ Adjustable start delay and run-on ■ Demand-based control with humidity sensor *Suitable for use in combination with Vitovent 100-D, type H00E and Vitovent 050-D, type H20E.*	ZK04633 **341,–**	Part no. **Euro**
Control module 2-stage, type E-N ■ Air flow rate 30/60 m³/h ■ Adjustable start delay and run-on *Suitable for use as an extract air system.*	ZK04632 **148,–**	Part no. **Euro**
Control module 2-stage, type E-N-F ■ Air flow rate 30/60 m³/h ■ Adjustable start delay and run-on ■ Demand-based control with humidity sensor *Suitable for use as an extract air system.*	ZK04634 **363,–**	Part no. **Euro**
Output relay ■ For switching off the ventilation system when multiple extract air systems are operating simultaneously ■ Installation on top-hat rail in distribution panel	ZK04636 **223,–**	Part no. **Euro**

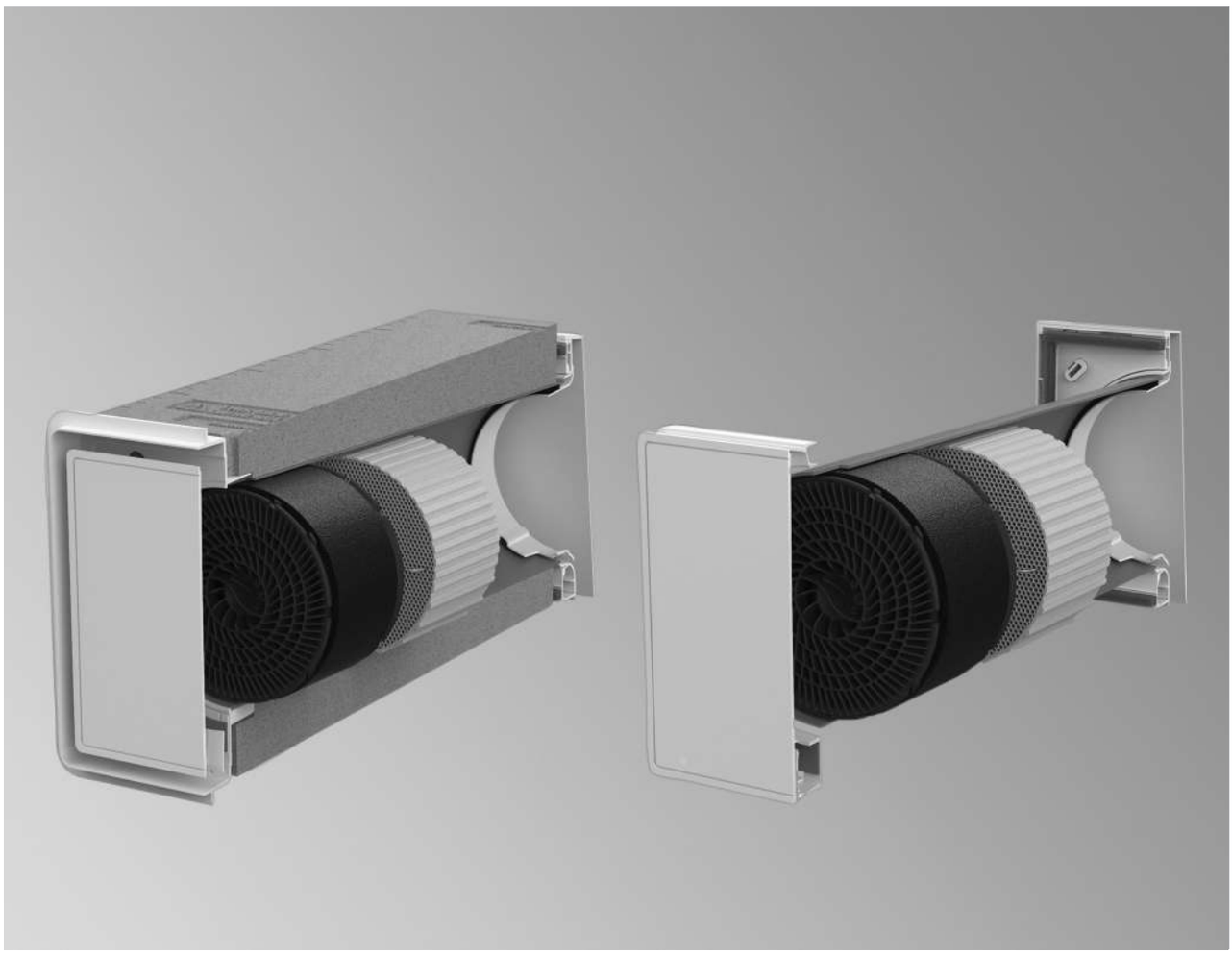
5.4

Ventilation units (decentralised)		
Filters for Vitovent 050-D		MG WV
Filters (set) ■ Coarse filters ■ 4 pce	ZK02956 **43,–**	Part no. **Euro**
Pollen filters (set) ■ Pollen filters ■ 4 pce	ZK02957 **77,–**	Part no. **Euro**
Filters for Vitovent 100-D		MG WV
Filters (set) ■ Coarse filters ■ 5 pce *For type E300*	ZK04635 **50,–**	Part no. **Euro**

VITOVENT 100-D

Decentralised ventilation unit with heat recovery
for single rooms or apartments

Will be introduced separately. Information follows



5.5

Vitovent 100-D

Type H40E B55 (L)
- Air flow rate up to 55 m³/h
- Hardwired communication via Modbus
- Star or circular wiring configuration
- 2 to 6 fans and one programming unit form one ventilation group

Type H40E B55 (F)
- Air flow rate up to 55 m³/h
- Wireless communication between appliances and programming unit using wireless standard
- Up to 12 mesh subscribers possible
- 230 V connection in the cover

- Simultaneous heat recovery and humidity control via integrated, cleanable ceramic thermal stores
- Energy cost savings through heat recovery
- Reliable moisture protection without having to frequently open windows
- Internal and external wall covers optimised for noise and flow
- Straightforward operation using capacitive buttons on the programming unit or with the app and WiFi programming unit
- Airing mode for cooling on summer nights
- Easy installation with standard Ø 162 mm core-drilled hole
- Tool-free maintenance and cleaning from within the living space

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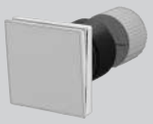
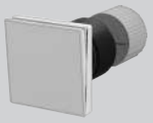
VITOVENT 100-D

Ventilation units with heat recovery
for single rooms or apartments

Ventilation units (decentralised)

Main product Type		(L)	(F)	MG WV
Vitovent 100-D, type H40E B55 (L) ■ 1 fan unit with 12 V connection and hardwired communication, for wall mounting ■ Fan ■ Thermal store ■ Adjustable internal wall cover optimised for noise and flow (white) ■ Filter (coarse filter) *A wall sleeve and external wall cover must also be ordered.*		Z026512 **609,–** – – A+ –	**–**	Part no. **Euro**
Vitovent 100-D, type H40E B55 (F) ■ 1 fan unit with 230 V connection and wireless communication, for wall mounting ■ Fan ■ Thermal store ■ Adjustable internal wall cover optimised for noise and flow (white) ■ Filter (coarse filter) *A wall sleeve and external wall cover must also be ordered.*		**–**	Z026513 **775,–** – A A+ A+	Part no. **Euro**

5.5

Specification		
Air flow rate ■ Stage 1 ■ Stage 2 ■ Stage 3 ■ Stage 4	 17 28 39 55	 m³/h m³/h m³/h m³/h
Heat recovery level (Heat recovery and humidity control)	Up to 91	%
IP rating	IP 40	
Minimum diameter of core-drilled hole	162	mm
Dimensions of internal wall cover ■ Width ■ Height ■ Depth	 218 218 32.8	 mm mm mm

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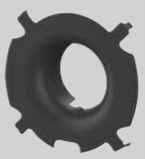
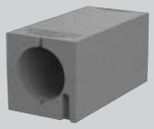
Accessories		
Covers & wall sleeves		MG WV
External wall cover, white ■ External wall cover optimised for noise and flow ■ Can be screwed directly onto the external wall ■ Reduces draughts ■ Optimised draining of condensate	7973308 **283,–**	Part no. **Euro**
External wall cover, anthracite ■ External wall cover optimised for noise and flow ■ Can be screwed directly onto the external wall ■ Reduces draughts ■ Optimised draining of condensate	7973307 **283,–**	Part no. **Euro**
Plug-in adaptor for external wall cover DN 160 For use with white or anthracite external wall cover ■ For insertion into the wall sleeve	7973303 **42,–**	Part no. **Euro**
Plug-in adaptor for external wall cover DN 100 Can be used for combinations consisting of 100-D external wall covers and extract air fan, type Maico AWB 100 HC/TC ■ For insertion into the wall sleeve 	7973304 **42,–**	Part no. **Euro**
Design stainless steel external wall cover ■ External wall cover (stainless steel), reduces draughts	ZK03629 **311,–**	Part no. **Euro**
Stainless steel external wall cover ■ External wall cover (stainless steel), reduces draughts	ZK04639 **296,–**	Part no. **Euro**
Installation element for window reveal, white ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973310 **337,–**	Part no. **Euro**
Installation element for window reveal, anthracite ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973309 **337,–**	Part no. **Euro**
Round wall sleeve ■ 500 mm long (can be trimmed to size) ■ Ø 160 mm ■ Protective plugs	ZK02707 **77,–**	Part no. **Euro**

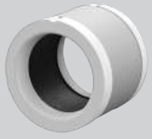
5.5

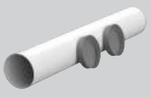
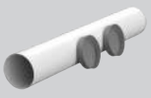
Accessories		
Covers & wall sleeves		MG WV
Round wall sleeve ■ 700 mm long (can be trimmed to size) ■ Ø 160 mm ■ Protective plugs	ZK02708 **93,–**	Part no. **Euro**
Flush mounted frame 100-D ■ Installation of the internal wall cover flush with the wall ■ Only in conjunction with square installation set	7973299 **85,–**	Part no. **Euro**
Square installation set ■ Installation block to enclose the round wall sleeve with external wall cover ■ 3 % fall for secure installation ■ Material: Neopor 	7973305 **93,–**	Part no. **Euro**

Please note:
For installation of the Vitovent, a wall sleeve **and** an external wall cover or the installation element for the window reveal must also be ordered.

Accessories		
Wireless programming units and accessories		MG WV
Programming unit for 100-D wireless ■ Individual control of up to 12 mesh subscribers ■ Convenient touch operation with sleep and airing modes ■ Programming unit ■ Wall frame ■ Controller with power supply unit for flush mounting	7973317 **325,–**	Part no. **Euro**
Pressure and indoor air quality sensor ■ Enables fully automatic control of a zone based on the measured indoor air quality (pressure differential, temperature, humidity, VOCs) ■ Simply plug-in principle ■ Automatic detection *Zone-by-zone control requires a programming unit for each zone*	7973412 **190,–**	Part no. **Euro**
Programming unit battery for 100-D wireless ■ Individual control of up to 12 mesh subscribers ■ Convenient touch operation with sleep and airing modes ■ Programming unit ■ Wall frame ■ Controller with battery case for operation independent of location	7973318 **213,–**	Part no. **Euro**
WiFi programming unit for 100-D wireless ■ Individual control of up to 12 mesh subscribers ■ Control of the ventilation system via the WiFi programming unit or via an app ■ Integral temperature, humidity and VOC sensor ■ Voice control compatible ■ Programming unit ■ Wall frame	7973316 **552,–**	Part no. **Euro**
Wired programming units and accessories		MG WV
Programming unit for 100-D wired ■ Individual control of up to 3 ventilation groups ■ Max. number of units depends on the number of power supply units ■ Convenient touch operation with sleep and airing modes ■ Filter change indicator ■ Programming unit ■ Wall frame ■ Ring or star wiring configuration	7973320 **213,–**	Part no. **Euro**
WiFi programming unit for 100-D wired ■ Individual control of up to 3 ventilation groups ■ Control of the ventilation unit via the WiFi programming unit or via an app ■ Integral temperature, humidity and VOC sensor ■ Voice control compatible ■ Programming unit ■ Wall frame	7973319 **514,–**	Part no. **Euro**
Power supply unit, top-hat rail ■ Supplies up to 6 Vitovent 100-D type H40E B55 (L) ■ 12 V power supply	7973415 **177,–**	Part no. **Euro**
Power supply unit, flush mounted ■ Each power supply unit supplies up to 6 Vitovent 100-D type H40E B55 (L) ■ 12 V power supply	7973416 **177,–**	Part no. **Euro**

5.5

Accessories		
Accessories		MG WV
Silencer 125 mm ■ Appliance insert with sound-absorbing effect ■ Reduction in fan noise and outside noise 	7973314 **96,–**	Part no. **Euro**
Silencer for window reveal version ■ Insert with sound-absorbing effect for window reveal element ■ Reduction of outside noise	7973311 **165,–**	Part no. **Euro**

Accessories		
Extract air fans		MG WV
For extract air areas with external walls		
Vitovent 100-D, type E200 A68 ■ Extract air fan, max. flow rate 68 m³/h ■ Humidity module with run-on control ■ For wall or ceiling mounting ■ Sealable internal wall cover (white) ■ Dimensions of internal wall cover - Width 197 mm - Height 197 mm - Depth 40 mm	ZK02705 **331,–**	Part no. **Euro**
Vitovent 100-D, type E100 A68 ■ Extract air fan, max. flow rate 68 m³/h ■ Run-on control, time-based ■ For wall or ceiling mounting ■ Sealable internal wall cover (white) ■ Dimensions of internal wall cover - Width 197 mm - Height 197 mm - Depth 40 mm	ZK02706 **286,–**	Part no. **Euro**
Round wall sleeve for extract air ■ Ø 104 mm ■ Length 500 mm 	ZK02718 **27,–**	Part no. **Euro**
Round wall sleeve for extract air ■ Ø 104 mm ■ Length 700 mm 	7973411 **85,–**	Part no. **Euro**
Installation element for window reveal, extract air, white ■ Installation element with reduction to DN 100 ■ Can be used with extract air fans, type Maico AWB 100 HC/TC ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973313 **337,–**	Part no. **Euro**
Installation element for window reveal, extract air, anthracite ■ Installation element with reduction to DN 100 ■ Can be used with extract air fans, type Maico AWB HC/TC ■ Unobtrusive appearance and high sound insulation against outside noise ■ External grille, reduces draughts	7973312 **337,–**	Part no. **Euro**

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Accessories		
Extract air fans		MG WV
For extract air areas without external walls		
Vitovent 100-D, type E300 ■ Universal extract air fan, including internal wall cover in white ■ For internal wet rooms such as a bathroom, WC or kitchen ■ Complies with the specifications of DIN 18017-3 ■ Dimensions of internal wall cover: - Width 260 mm - Height 260 mm - Depth 55 mm *Flush mounted enclosure and control module required*	Z017684 **243,–**	Part no. **Euro**
Plastic flush mounted enclosure ■ Flat flush mounted enclosure made from plastic ■ Connector DN 75 ■ Including plaster cover ■ Dimensions: - Width 270 mm - Height 270 mm - Depth 85 mm *For Vitovent 100-D, type E300 only*	ZK04629 **53,–**	Part no. **Euro**
Fire safety flush mounted enclosure ■ Flat flush mounted enclosure made from calcium silicate fire-resistant plates ■ Connector DN 75 ■ Including plaster cover ■ Dimensions: - Width 255 mm - Height 255 mm - Depth 85 mm *For Vitovent 100-D, type E300 only*	ZK04630 **118,–**	Part no. **Euro**
Control module 1-stage, type E-N ■ Air flow rate: 60 m³/h ■ Adjustable start delay and run-on *Suitable for use in combination with Vitovent 100-D, type H00E and Vitovent 050-D, type H20E.*	ZK04631 **118,–**	Part no. **Euro**
Control module 1-stage, type E-N-F ■ Air flow rate: 60 m³/h ■ Adjustable start delay and run-on ■ Demand-based control with humidity sensor *Suitable for use in combination with Vitovent 100-D, type H00E and Vitovent 050-D, type H20E.*	ZK04633 **341,–**	Part no. **Euro**
Control module 2-stage, type E-N ■ Air flow rate 30/60 m³/h ■ Adjustable start delay and run-on *Suitable for use as an extract air system.*	ZK04632 **148,–**	Part no. **Euro**
Control module 2-stage, type E-N-F ■ Air flow rate 30/60 m³/h ■ Adjustable start delay and run-on ■ Demand-based control with humidity sensor *Suitable for use as an extract air system.*	ZK04634 **363,–**	Part no. **Euro**
Output relay ■ For switching off the ventilation system when multiple extract air systems are operating simultaneously ■ Installation on top-hat rail in distribution panel	ZK04636 **223,–**	Part no. **Euro**

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Accessories		
Filters for Vitovent 100-D		MG WV
Dust filter set Set contains 4 dust filters *Filters are only compatible with Vitovent 100-D type H40E B55 (L)/(F)*	7973300 **48,–**	Part no. **Euro**
Filters (set) ■ Coarse filters ■ 5 pce *For type E300*	ZK04635 **50,–**	Part no. **Euro**

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VITOVENT 200-D

Decentralised ventilation unit with heat recovery
For single rooms or apartments

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Vitovent 200-D

Type HR B55
- Air flow rate up to 55 m³/h with integral control unit and 4 operating modes

Type HRM B55
- Air flow rate up to 55 m³/h with integral control unit and 7 operating modes
- Prepared for automatic operation in conjunction with air quality sensor (accessories)
- Integral wireless receiver for connecting the wireless operating switch (accessories)

- Continuous operation ensures comfortable room temperatures.
- Balanced humidity management prevents building damage.
- Easy installation in the external wall without air ducts – ideal for modernisation and retrofitting
- Wall sleeves for unfinished walls make for easier installation of the ventilation unit later.
- Closed windows improve security against burglary and protect against noise.
- Filtered outdoor air – ideal for allergy sufferers
- Quiet power saving fans
- Reduced heat losses in fresh air supply thanks to high level of heat recovery from extract air, which helps to lower heating bills.
- Integral control unit for straightforward operation
- Installation only requires a 230 V power supply – no need to set up the unit.

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VITOVENT 200-D

Ventilation units with heat recovery
For single rooms or apartments

Ventilation units (decentralised)

Ventilation units

MG WV

Vitovent 200-D, type HR B55
Decentralised ventilation unit with heat recovery, air flow rate up to 55 m³/h
- For individual rooms up to approx. 25 m²
- Heat recovery level up to 90 %
- Integral control unit with 4 selectable presets for flow rate:
  - Background ventilation
  - Reduced ventilation
  - Standard ventilation
  - Intensive ventilation
- Integral frost protection function
- Supply air filter F7, extract air filter G4
- Dimensions of internal wall cover (colour: White)
  - Width 340 mm
  - Height 340 mm
  - Depth 70 mm

For installation, please also order a wall sleeve; see "Accessories".

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Part no.
Euro

Vitovent 200-D, type HRM B55
Decentralised ventilation unit with heat recovery, air flow rate up to 55 m³/h
- For individual rooms up to approx. 25 m²
- Heat recovery level up to 90 %
- Integral control unit with 7 operating modes:
  - Background ventilation
  - Reduced ventilation
  - Standard ventilation
  - Intensive ventilation
  - Supply air mode
  - Extract air mode
  - Automatic mode (air quality sensor required, see Accessories)
- Integral wireless receiver for using a wireless operating switch
- Integral frost protection function
- Supply air filter F7, extract air filter G4
- Dimensions of internal wall cover (colour: White)
  - Width 340 mm
  - Height 340 mm
  - Depth 70 mm

For installation, please also order a wall sleeve; see "Accessories".

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Part no.
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Ventilation units (decentralised)		
Wall sleeves		MG WV
Wall sleeve, round, with external wall cover ■ For installing the ventilation unit inside a circular wall opening (min. Ø 320 mm) ■ For wall thicknesses from 320 to 530 mm ■ Separate installation of wall sleeve and ventilation unit is possible ■ UV-resistant external wall cover with drip edge for condensate	Z012505 **862,–**	Part no. **Euro**
Wall sleeve, square, with external wall cover ■ For installing the ventilation unit inside a square wall opening (min. 325 x 325 mm) ■ For a wall thickness from 320 to 480 mm; optional extension ■ Separate installation of wall sleeve and ventilation unit is possible ■ UV-resistant external wall cover with drip edge for condensate	Z014596 **442,–**	Part no. **Euro**
Wall sleeve, square, with external wall cover and air duct connection ■ For installing the ventilation unit inside a square wall opening (min. 325 x 325 mm) ■ For a wall thickness from 420 to 480 mm; optional extension - Extract air and supply air directions are not interchangeable - Supply air (indoors) right-hand side - Extract air (indoors) left-hand side ■ Separate installation of wall sleeve and ventilation unit is possible ■ UV-resistant external wall cover with drip edge for condensate ■ Optional connection of up to 2 air ducts DA 75 (max. 10 m per duct) *Duct must also be ordered, see price sheet for air distribution system.*	Z014595 **678,–**	Part no. **Euro**
Extension for square wall sleeve For wall thicknesses from 480 to 640 mm	7201532 **316,–**	Part no. **Euro**
Spacers for square wall sleeve ■ 5 pce in set ■ To adjust the position of the square wall sleeve outwards by 1 cm per spacer	ZK02579 **48,–**	Part no. **Euro**
Appliance spacers, round ■ 5 pce in set ■ To adjust the position of the "Extensions for round/rectangular wall sleeve" inwards	ZK02580 **43,–**	Part no. **Euro**
Cover frame for square wall sleeve Trimmable push-in frame (polystyrene) for covering the "square wall sleeve" indoors. The cover frame can be papered over or painted.	ZK02578 **83,–**	Part no. **Euro**

Notes:
For installation of the Vitovent, a wall sleeve **and** an external wall cover or the installation element for the window reveal must also be ordered.

Accessories		
		MG WV
Wireless operating switch ■ Wireless operating switch with frame, for mounting on a wall with adhesive or screws ■ For setting the operating modes of the ventilation unit ■ Maintenance-free operation without power supply or batteries ■ Operation of one ventilation unit with up to 5 wireless operating switches ■ Operation of up to 10 ventilation units with 1 wireless operating switch	ZK02582 **313,–**	Part no. **Euro**
Air quality sensor ■ For automatic control of the air flow rate subject to air quality ■ Determination of air quality by capturing the concentration of CO_2 and other mixed gases as well as the relative humidity ■ Hidden installation inside the internal wall cover of the ventilation unit ■ Enables "local demand control"	ZK02583 **446,–**	Part no. **Euro**

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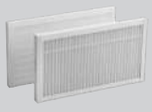
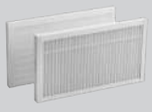
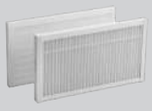
Ventilation units (decentralised)		
Filter for Vitovent 200-D		MG WV
Supply air and extract air filter set Set for 1 filter change ■ 1 supply air filter F7 ■ 1 extract air filter G4	7201529 **38,–**	Part no. **Euro**

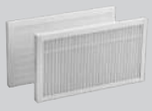
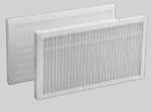
Filters for Vitoair FS

		MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 %	7372093 **77,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 %	7372082 **69,–**	Part no. **Euro**

Filters for Vitovent 300

		MG WV
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 65 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 300** (180 m³/h, serial no. 7373372 and 3004500)	7501792 **37,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 70 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 300** (180 m³/h, serial no. 7373372) 	7501790 **78,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 2 supply air filter G4 / ISO Coarse 65 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 300** (300 and 400 m³/h, serial no. 7373373 and 7373374)	7501793 **51,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 2 supply air filter F7 / ISO ePM1 70 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 300** (300 and 400 m³/h, serial no. 7373373 and 7373374) 	7501791 **138,–**	Part no. **Euro**
Filter set for ventilation unit Sets for 3 filter changes ■ 3 supply air filters F6 (498 x 238 x 19 mm) ■ 3 extract air filters G4 (498 x 238 x 19 mm) For **Vitovent 300** (260 m³/h, serial no. 3002017 and 3002018) 	7143771 **201,–**	Part no. **Euro**

Filters for Vitovent 300-W

		MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 70 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 200-W** (type H22S A300, serial no. 7571124) For **Vitovent 300-W** (type HR A300 and HR A400, serial no. 7521193 and 7521194 and type H32S B300 and H32S B400, serial no. 7571089 and 7571090) 	7521198 **88,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit with enthalpy heat exchanger Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 70 % ■ 1 extract air filter M5 / ISO ePM10 50 % For **Vitovent 200-W** (type H22S A300, serial no. 7571124) For **Vitovent 300-W** (type H32E B300 and B400, serial no. 7571106 and 7571107) 	ZK02576 **88,–**	Part no. **Euro**

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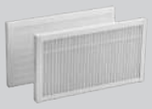
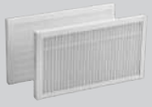
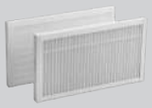
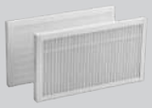
Supply and extract air filters
for mechanical ventilation units

Supply and extract air filters for mechanical ventilation units		
Filters for Vitovent 300-W		MG WV
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 65 % ■ 1 extract air filter G4 / ISO Coarse 65 % For **Vitovent 200-W** (type H22S A300, serial no. 7571124) For **Vitovent 300-W** (type HR A300 and HR A400, serial no. 7521193 and 7521194 and type H32S B300 and H32S B400, serial no. 7571089 and 7571090)	7521197 **55,–**	Part no. **Euro**

Filters for Vitovent 300-W		MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S A225 (R/L), serial no. 7372809 and 7372810) 	ZK05956 **77,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S A225 (R/L), serial no. 7372809 and 7372810)	ZK05957 **51,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter F7 / ISO ePM1 50 % For **Vitovent 300-W** (type H32S C325 and C400 (R/L) serial no. 7372260 to 7372263 and type H32E C325 and C400 (R/L) serial no. 7973372 to 7973375) 	ZK05288 **63,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S C325 and C400 (R/L) serial no. 7372260 to 7372263 and type H32E C325 and C400 (R/L) serial no. 7973372 to 7973375)	ZK05289 **51,–**	Part no. **Euro**
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S A600 (R/L), serial no. 7973277 and 7973278) 	7973281 **46,–**	Part no. **Euro**
ViPure coarse filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter G4 / ISO Coarse 60 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S A600 (R/L), serial no. 7973277 and 7973278)	7973280 **25,–**	Part no. **Euro**

Filters for Vitovent 300-W		MG WV
ViPure fine filter set for ventilation unit Set for 1 filter change ■ 1 supply air filter F7 / ISO ePM1 50 % ■ 1 extract air filter G4 / ISO Coarse 60 % For **Vitovent 300-W** (type H32S C325 and C400 (R/L) serial no. 7372260 to 7372263) For **Vitovent 200-P** (all serial numbers) 	ZK05287 **77,–**	Part no. **Euro**

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Supply and extract air filters for mechanical ventilation units		
Filters for Vitovent 050-D		MG WV
Filters (set) ■ Coarse filters ■ 4 pce For **Vitovent 050-D** (type H20E A43, serial no. 7638945)	ZK02956 **43,–**	Part no. **Euro**
Pollen filters (set) ■ Pollen filters ■ 4 pce For **Vitovent 050-D** (type H20E A43, serial no. 7638945)	ZK02957 **77,–**	Part no. **Euro**
Filters for Vitovent 100-D		MG WV
Filters (set) ■ Coarse filters ■ 4 pce For **Vitovent 100-D** (type H00E A45, serial no. 7571848)	ZK02715 **43,–**	Part no. **Euro**
Pollen filters (set) ■ Pollen filters ■ 4 pce For **Vitovent 100-D** (type H00E A45, serial no. 7571848)	ZK02716 **77,–**	Part no. **Euro**
Filters (set) ■ Coarse filters ■ 5 pce For **Vitovent 100-D** (type E300, serial no. 7690647)	ZK04635 **50,–**	Part no. **Euro**
Dust filter set Set contains 4 dust filters For **Vitovent 100-D** (type H40E B55 (L)/(F), serial no. 7973413 and 7973410)	7973300 **48,–**	Part no. **Euro**
Filters for Vitovent 200-D		MG WV
Supply air and extract air filter set Set for 1 filter change ■ 1 supply air filter F7 ■ 1 extract air filter G4 For **Vitovent 200-D** (type HR A55, HRM A55, HR B55, HRM B55 and HRV B55, serial no. 7201527, 7201528, 7571223, 7571224 and 7571225)	7201529 **38,–**	Part no. **Euro**

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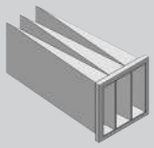
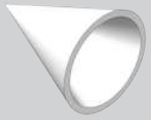
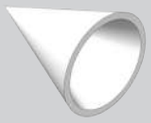
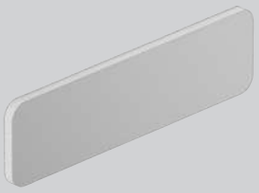
Supply and extract air filters
for mechanical ventilation units

Supply and extract air filters for mechanical ventilation units

Supply air and extract air filters

		MG WV
Replacement filters ■ F7 pocket filter for outdoor air filter box ■ 2 pce 	7173846 **151,–**	Part no. **Euro**

Filters for extract air vents

		MG WV
Extract air filters (G3) ■ For metal extract air vent DN 100 ■ 5 pce 	9562052 **73,–**	Part no. **Euro**
Extract air filters (G4) ■ For extract air vent DN 125 (part no. ZK04570 and ZK04571) and wall/ceiling air diffuser (design, part no. ZK03038) ■ 5 pce 	ZK01881 **38,–**	Part no. **Euro**
Filters for wall/ceiling air diffuser ■ For air diffuser (part no. ZK01855) ■ 5 pce	ZK01882 **38,–**	Part no. **Euro**
Extract air filter, rectangular ■ Extract air filter for rectangular air diffuser ■ ISO Coarse ≥ 45 % (G4) ■ 5 pce 	7973065 **22,–**	Part no. **Euro**
Filters for kitchen extract air vent For kitchen extract air vent part no. 7440231	ZK02531 **55,–**	Part no. **Euro**

Please note:
Filter classification details are based on EN 779:2012 and EN 16890:2016.

5.7

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Brine/water heat pumps					**6.1**
Vitocal 200-G	Up to 65 °C	B0/W35	5.8 to	17.4 kW	
		W10/W35	7.5 to	22.6 kW	
Vitocal 300-G	Up to 65 °C	B0/W35	1.7 to	15.9 kW	
		W10/W35	5.6 to	10.0 kW	
Brine/water heat pumps, single and two-stage					**6.2**
Vitocal 300-G	Up to 60 °C	B0/W35	21.2 to	85.6 kW	
		W10/W35	28.1 to	117.8 kW	
Compact brine/water heat pumps					**6.3**
Vitocal 222-G	Up to 65 °C	B0/W35	5.8 to	10.4 kW	
		W10/W35	7.5 to	13.4 kW	
Vitocal 333-G	Up to 65 °C	B0/W35	1.7 to	11.4 kW	
		W10/W35	5.6 to	7.0 kW	
Air source heat pumps, split version, Vitotronic					
Vitocal 100-S	Up to 55 °C	A7/W35	4.0 to	16.0 kW	**6.5**
Vitocal 111-S	Up to 55 °C	A7/W35	4.0 to	16.0 kW	**6.6**
Vitocal 200-S	Up to 60 °C	A7/W35	2.4 to	14.7 kW	**6.7**
Vitocal 222-S	Up to 60 °C	A7/W35	2.4 to	14.7 kW	**6.8**
Control accessories for heat pumps with Vitotronic					**6.9**
Air source heat pumps, split version, One Base					
Vitocal 200-S	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.10**
Vitocal 222-S	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.11**
Vitocal 250-SH	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.12**
Air source heat pumps, monoblock version, One Base					
Vitocal 150-A	Up to 70 °C	A7/W35	2.6 to	14.9 kW	**6.13**
Vitocal 151-A	Up to 70 °C	A7/W35	2.6 to	14.9 kW	**6.14**
Vitocal 250-A	Up to 70 °C	A7/W35	2.1 to	13.4 kW	**6.15**
Vitocal 252-A	Up to 70 °C	A7/W35	2.1 to	13.4 kW	**6.16**
Vitocal 250-AH	Up to 60 °C	A7/W35	2.1 to	13.4 kW	**6.17**

► *For allocation of DHW cylinders, see the technical guides for the respective heat pump.*

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Viessmann's integrated range of solutions

Digital services	ViCare ViGuide
Connectivity and platforms	Vitoconnect
Products & systems	**VITOCAL 100-S** **VITOCAL 111-S** **VITOCAL 200-S** **VITOCAL 222-S** **VITOCAL 150-A** **VITOCAL 151-A** **VITOCAL 250-A** **VITOCAL 252-A** **VITOCAL 250-AH** **VITOCAL 250-SH**

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Heat Pump KEYMARK certified

Vitocal 200-G/300-G

Up to 65 °C flow temperature

Heat pumps with electric drive for room heating and DHW heating in mono mode or dual mode heating systems

■ **Vitocal 200-G:** Refrigerant circuit with fixed heating output
Type BWC 201.B06 to 201.B17: 400 V~
■ **Vitocal 300-G:** Refrigerant circuit with modulating heating output
Type BWC 301.C06 to 301.C16: 400 V~

Permissible operating pressure:
Heating water 3 bar (0.3 MPa)

Colour: Vitopearlwhite

- Low running costs thanks to high SCOP to EN 14825 for average climatic conditions and low temperature applications (W35):
  - Vitocal 200-G: up to 5.3
  - Vitocal 300-G: up to 5.6
- Especially quiet thanks to new sound insulation concept (B0/W55):
  - Vitocal 200-G: 47 dB(A)
  - Vitocal 300-G: 30 to 47 dB(A)
- Mono mode operation for room heating and DHW heating
- Vitocal 200-G: Low running costs with high efficiency due to RCD (refrigerant cycle diagnostic) system with electronic expansion valve (EEV)
- Vitocal 300-G: Very low running costs due to refrigerant circuit with output-dependent control and innovative inverter technology for the highest seasonal coefficient of performance (SCOP)
- Integral instantaneous heating water heater, e.g. for screed drying
- Easy handling as the heat pump module can be quickly removed thanks to push-fit connections
- Optimised utilisation of self-generated power from photovoltaic systems
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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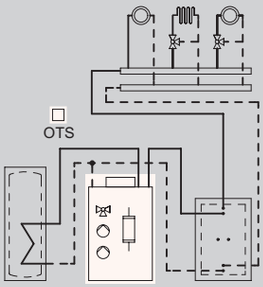
VITOCAL 200-G/300-G

Brine/water heat pumps
Vitocal 200-G, type BWC 201.B

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature control ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (accessories required) ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral energy statement and checking of the seasonal performance factor ■ Optimisation of self-consumption Extensions are required for every heating circuit with mixer, additional oil/gas boiler, cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a specialist heat pump contractor certified by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the control unit over the internet.
Vitoconnect 100 (accessories) required; see Register 11.

Standard delivery:

- Brine/water heat pump in a compact casing
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor
- Connection pipes for flow and return of the brine circuit (primary circuit), heating circuit and DHW flow (secondary circuit) for connection at the top.

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Type Volt	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)					MG WT
	5.8	7.5	10.4	13.2	17.4	
BWC 201.B06 **400**	Z019166 **7.044,–** A++	–	–	–	–	Part no. **Euro** Energy
BWC 201.B08 **400**	–	Z019167 **7.640,–** A++	–	–	–	Part no. **Euro** Energy
BWC 201.B10 **400**	–	–	Z019168 **8.173,–** A+++	–	–	Part no. **Euro** Energy
BWC 201.B13 **400**	–	–	–	Z019169 **8.947,–** A++	–	Part no. **Euro** Energy
BWC 201.B17 **400**	–	–	–	–	Z019170 **9.783,–** A++	Part no. **Euro** Energy
Specification						
Coefficient of performance (COP)	4.6	4.6	4.8	4.6	4.5	
Seasonal coefficient of performance (SCOP)	4.9	5.2	5.3	4.9	4.8	
Flow temperature	65	65	65	65	65	°C
Length	680	680	680	680	680	mm
Width	600	600	600	600	600	mm
Height	975	975	975	975	975	mm
Weight	145	148	152	158	165	kg
Energy efficiency ηs at W35	186	201	204	190	185	%
Energy efficiency ηs at W55	134	143	150	141	140	%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	8	11	12	16	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4	4,2	4,3	4,3	4,1	

Min./max. output range at operating point B0/W35

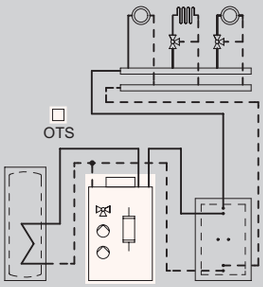
Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 200-G/300-G

Brine/water heat pumps
Vitocal 300-G, type BWC 301.C

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature control ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral energy statement and checking of the seasonal performance factor ■ Optimisation of self-consumption Extensions are required for every heating circuit with mixer, additional oil/gas boiler, cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a specialist heat pump contractor certified by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the control unit over the internet.
Vitoconnect 100 (accessories) required; see Register 11.

6.1

Standard delivery:

- Brine/water heat pump in a compact casing
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral phase monitor
- Connection pipes for flow and return of the brine circuit (primary circuit), heating circuit and DHW flow (secondary circuit) for connection at the top.

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Type Volt	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)				MG WT
	4.3	5.3	7.4		
BWC 301.C06 **400**	Z019443 **9.150,–** A++	–	–		Part no. **Euro** Energy
BWC 301.C12 **400**	–	Z019444 **10.457,–** A+++	–		Part no. **Euro** Energy
BWC 301.C16 **400**	–	–	Z019533 **11.764,–** A+++		Part no. **Euro** Energy

Specification					
Min./max. output range	1.7 - 8.6	2.4 - 11.4	3.8 - 15.9		kW
Coefficient of performance (COP)	4.7	4.8	5.0		
Seasonal coefficient of performance (SCOP)	5.3	5.3	5.6		
Flow temperature	65	65	65		°C
Length	680	680	680		mm
Width	600	600	975		mm
Height	975	975	600		mm
Weight	149	154	163		kg
Energy efficiency ηs at W35	204	205	217		%
Energy efficiency ηs at W55	141	151	159		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	12	15		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,1	4,57	4,7		

Min./max. output range at operating point B0/W35

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

Vitocal 200-G

Type	BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17	
Rated heating output	7.1	9.2	12.4	15.7	20.3	kW
COP	5.7	6.2	6.4	5.7	5.1	
Water/water heat pump conversion kit	7441719 **815,–**	7441720 **815,–**	7441721 **815,–**	7441722 **815,–**	7441723 **815,–**	Part no. **Euro MG WX**

Vitocal 300-G

Type	BWC 301.C06	BWC 301.C12	BWC 301.C16			
Rated heating output	5.3	6.7	9			kW
COP	6.4	6.4	6.6			
Water/water heat pump conversion kit	7441720 **815,–**	7441722 **815,–**	7441723 **815,–**			Part no. **Euro MG WX**

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point.
- Frost stat.

Heat pumps with 2 Vitocal 200-G

Conversion kit selection table
For selecting the conversion kit for different output combinations of lead and slave heat pump (LON cascade)

Output combination Lead heat pump and slave heat pump	**Flow switch switching point in litres/h**							
	1500	2050	2500	3000	3250	3700	4200	5200
Type BWC 201.B06 and 201.B06	x							
Type BWC 201.B06 and 201.B08		x						
Type BWC 201.B06 and 201.B10			x					
Type BWC 201.B06 and 201.B13			x					
Type BWC 201.B06 and 201.B17					x			
Type BWC 201.B08 and 201.B08		x						
Type BWC 201.B08 and 201.B10			x					
Type BWC 201.B08 and 201.B13				x				
Type BWC 201.B08 and 201.B17						x		
Type BWC 201.B10 and 201.B10				x				
Type BWC 201.B10 and 201.B13					x			
Type BWC 201.B10 and 201.B17							x	
Type BWC 201.B13 and 201.B13						x		
Type BWC 201.B13 and 201.B17							x	
Type BWC 201.B17 and 201.B17								x
Water/water heat pump conversion kit	7441721 **815,–**	7441722 **815,–**	7441723 **815,–**	7441726 **1.006,–**	7441724 **1.006,–**	7441727 **1.006,–**	7441725 **1.040,–**	7441728 **1.006,–**

Part no.
Euro
MG WX

6.1

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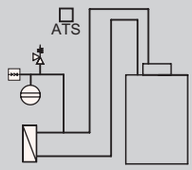
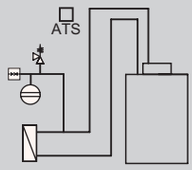
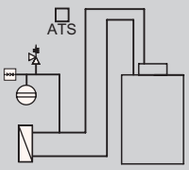
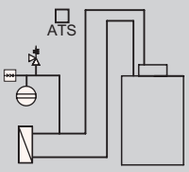
Conversion to Vitocal 200-G water/water heat pump

Conversion kits for water/water application

Type		BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00303 **4.695,–**	ZK00305 **4.921,–**	ZK00307 **5.376,–**	ZK00309 **5.602,–**	ZK00311 **6.248,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00304 **3.305,–**	ZK00306 **3.305,–**	ZK00308 **3.305,–**	ZK00310 **3.798,–**	ZK00312 **4.559,–**	Part no. **Euro**

Conversion to Vitocal 300-G water/water heat pump

Conversion kits for water/water application

Type		BWC 301.C06	BWC 301.C12	BWC 301.C16	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00305 **4.921,–**	ZK00309 **5.602,–**	ZK00311 **6.248,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00306 **3.305,–**	ZK00310 **3.798,–**	ZK00312 **4.559,–**	Part no. **Euro**

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see Register 11 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 11

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 7500 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

►For ventilation units and accessories, see Register 5

Brine circuit (primary circuit)

		MG WX
Hydraulic connection set Pre-assembled pipe assembly for connecting the heat pump from the back ■ Primary circuit flow and return (brine) ■ Secondary circuit flow and return (heating water) ■ DHW cylinder flow	ZK05344 **77,–**	Part no. **Euro**
Primary circuit hydraulic connection set Pre-assembled pipe assembly for connecting the heat pump to the primary circuit (brine) from the right or left ■ Primary circuit flow and return (brine) ■ Thermal insulation	ZK05345 **99,–**	Part no. **Euro**
Brine accessory pack up to 17 kW For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices, male, 2 x 1¼ ■ EPP thermal insulation *Maximum flow rate in the primary circuit: 5000 l/h*	ZK05955 **584,–**	Part no. **Euro**

Accessories

		MG WO
Brine expansion vessel, 25 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248242 **134,–**	Part no. **Euro**
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**
Brine expansion vessel, 50 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248244 **258,–**	Part no. **Euro**

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Accessories		
Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**
Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as flushing tank)	7188625 **761,–**	Part no. **Euro** MG N

Accessories

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.
ZK03206
90,–
Part no.
Euro

Overflow valve (R ¾)
For ensuring the minimum flow rate
ZK05500
64,–
Part no.
Euro

Vitocell 100-W

MG WH

Vitocell 100-W, type SVPA
For storing heating water in conjunction with heat pumps with up to 17 kW heating output. For ensuring the minimum system volume.
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket
- 46 litre capacity
- Colour: Vitopearlwhite
- Overflow valve

Z017685
716,–
B
Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Miscellaneous

MG N

Service box
- Protective box for service folder with system documentation
- Can be secured on the heat generator or on the wall
- Colour: Vitosilver

7334502
12,60
Part no.
Euro

Heat pump module transport aid
To enable 2 people to easily remove and carry the refrigerant circuit module.

ZK04568
118,–
Part no.
Euro
MG WX

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Accessories

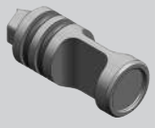
Heating circuit

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha 25/60 variable speed high efficiency circulation pump ■ With connecting cable (3,5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**

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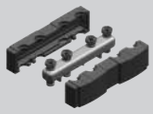
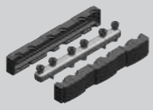
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

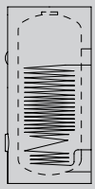
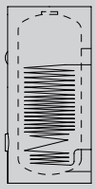
Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

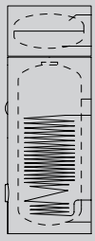
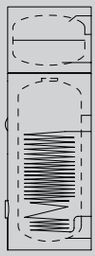
Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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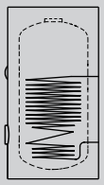
DHW heating accessories
With DHW cylinder

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories

Cooling

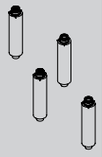
MG WX

NC-Box
Pre-assembled unit for implementing the natural cooling function with one heating/cooling circuit.
For the connection of underfloor heating systems, chilled ceilings or fan convectors, for example.
Max. cooling capacity depends on the heat source used.
Direct switching by the heat pump control unit (NC signal).
Modulation via the speed of the primary circulation pump of the heat pump.
Installation possible on the back of the heat pump or on the wall.
- 3-way diverter valves (heating/cooling)
- Plate heat exchanger
- Thermally insulated casing (EPP)

Length	520 mm
Height	422 mm
Width	265 mm
Weight	9 kg

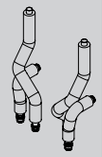
ZK05954
2.478,–
Part no.
Euro

Hydraulic connection set NC-Box, wall mounting
Pre-assembled pipe assembly for connection to the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06080
145,–
Part no.
Euro

NC-Box hydraulic connection set, installation on heat pump
Pre-assembled pipe assembly for connection to the rear of the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06081
151,–
Part no.
Euro

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

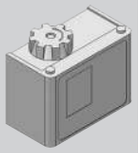
7181418
570,–
Part no.
Euro

Natural cooling extension kit
PCB for processing signals and switching the natural cooling control function.
- Connection plug
- Installation accessories

Contact humidistat must be added to the order.

7179172
177,–
Part no.
Euro

Frost stat
Safety switch for heat pump frost protection



7179164
170,–
Part no.
Euro

Plate heat exchanger (threaded)
For natural cooling.
► *Vitoset Pricelist*

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Cooling accessories

Accessories

		MG WX
2-way motorised ball valve (DN 32) Can be used as a shut-off valve. ■ With electric drive (230 V~) ■ Connection R 1¼ Required when using the natural cooling control function.	7968559 **625,–**	Part no. **Euro**

Diverter valves

		MG WX
3-way diverter valve (R 1¼) Required when using the natural cooling control function. For integrating a heat exchanger into the primary circuit (brine).	7165482 **869,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

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Accessories		
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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VITOCAL 300-G

Brine/water heat pumps, 20.5 to 85.6 kW
Water/water heat pumps, 25.4 to 117.8 kW
1-stage and 2-stage

EHPA Quality Label

Vitocal 300-G

Vitocal 300-G, type BW/BWS 301.A: flow temperature up to 60 °C

Heat pumps with electric drive
- For room heating and DHW heating in mono or dual mode heating systems
- No integral circulation pumps
- **Type BW 301.A**

1-stage heat pump or stage 1 (master) of a 2-stage heat pump
- **Type BWS 301.A**

Stage 2 (slave) of a 2-stage heat pump, without its own control unit

Permissible operating pressure: heating water 3 bar (0.3 MPa)

Colour: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Vitocal 300-G up to 4.8 at B0/W35
- Mono mode operation for room heating and DHW heating
- Flow temperatures: Vitocal 300-G: up to 60 °C
- Low noise and low vibrations through sound-optimised appliance design
- Low running costs with the highest level of efficiency at every operating point through innovative RCD (refrigerant cycle diagnostic) system with electronic expansion valve (EEV)
- Easy to operate Vitotronic control unit with plain text and graphic display for weather-compensated heating mode and natural cooling or active cooling
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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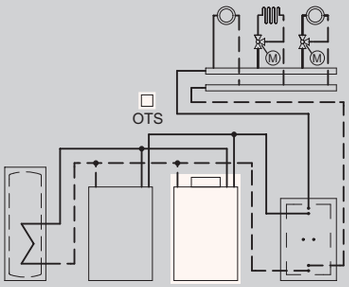
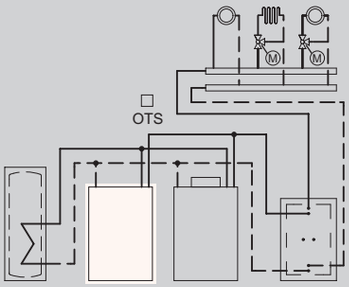
VITOCAL 300-G

Brine/water heat pumps, 1-stage/2-stage
Vitocal 300-G, type BW/BWS 301.A

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Natural cooling and active cooling control functions (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for each heating circuit with mixer, the additional oil/gas boiler, cooling control functions and swimming pool heating (see Accessories).
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Without its own control unit, for weather-compensated mode** Vitocal 300-G, type BWS only acts as heat pump stage 2 in conjunction with a Vitocal 300-G, type BW 301.A21 to A45 or Vitocal 350-G, type BW 351.B20 to B42. The various types with different rated heating outputs can be combined in different ways depending on the system.

Please note:
The heat pumps must be commissioned by Viessmann Technical Service (see Service Pricelist) or a specialist heat pump contractor certified by Viessmann.

Standard delivery:

Type BW 301.A
- Complete compact heat pump as a 1-stage heat pump or as stage 1 (master) of a 2-stage heat pump
- Adjustable anti-vibration feet
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor

Type BWS 301.A
- Compact heat pump as stage 2 (slave)
- Adjustable anti-vibration feet
- Connecting cable for stage 1 (master)
- Electronic starting current limiter

Please note:
Always site the heat pump stage 2 (slave) to the left of stage 1 (master).

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Type Model Version	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)			MG WT
	21.2	28.8	42.8	
BW 301.A21 Single-stage/two-stage Master	Z012778 **12.898,–** A++	–	–	Part no. **Euro** Energy
BW 301.A29 Single-stage/two-stage Master	–	Z012779 **16.839,–** A++	–	Part no. **Euro** Energy
BW 301.A45 Single-stage/two-stage Master	–	–	Z012780 **20.704,–** A++	Part no. **Euro** Energy
BWS 301.A21 Two-stage Slave	Z012781 **10.929,–** A++	–	–	Part no. **Euro** Energy
BWS 301.A29 Two-stage Slave	–	Z012782 **14.307,–** A++	–	Part no. **Euro** Energy
BWS 301.A45 Two-stage Slave	–	–	Z012783 **17.589,–** A++	Part no. **Euro** Energy
Specification				
Length	1085	1085	1085	mm
Width	780	780	780	mm
Height	1267	1267	1267	mm
Weight	245	272	298	kg
Clearance between appliances	300	300	300	mm
Coefficient of performance (COP)	4.7	4.8	4.6	
Flow temperature	60	60	60	°C
Energy efficiency ηs at W35	201	211	199	%
Energy efficiency ηs at W55	140	138	138	%

The heat pump stage 2 (type BWS) is 5 kg lighter than the heat pump stage 1 (type BW).

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point.
- Frost stat.

1-stage heat pumps

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

	Vitocal 300-G				
Type	BW 301.A21	BW 301.A29	BW 301.A45		
Rated heating output (kW)	28.1	37.1	58.9		
COP	5.9	6.0	5.5		
Water/water heat pump conversion kit	7424671 **1.040,–**	7424672 **1.040,–**	7424673 **1.040,–**		Part no. **Euro** **MG WX**

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

2-stage heat pumps

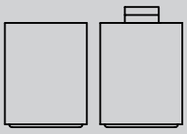
Conversion kit selection table
For selecting the conversion kit with different master/slave combinations

Output combination Type BW (master) / type BWS (slave)	**Flow switch switching point in litres/h**				
	6500	8500	9750	10700	13000
Type BW/BWS 301.A21 and 301.A21	x				
Type BW/BWS 301.A21 and 301.A29		x			
Type BW/BWS 301.A21 and 301.A45			x		
Type BW/BWS 301.A29 and 301.A29		x			
Type BW/BWS 301.A29 and 301.A45				x	
Type BW/BWS 301.A45 and 301.A45					x
Water/water heat pump conversion kit	7424673 **1.040,–**	7417868 **1.040,–**	7424674 **1.040,–**	7424675 **1.040,–**	7424676 **1.040,–**

Part no.
Euro
MG WX

6.2

Master/slave packs

Brine/water heat pump Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)		42.4	57.6	85.6	MG WT
Master/slave packs for Vitocal 300-G Master/slave pack where both have the same rated heating output: ■ Vitocal 300-G, type BW 301.A ■ Vitocal 300-G, type BWS 301.A		Z012784 **23.821,–** A++	Z012785 **31.140,–** A++	Z012786 **38.287,–** A++	Part no. **Euro** Energy

Please note:
The heat pumps of type 301.A21 to A45 can be used together as type BW (master) and type BWS (slave) in any combination of output sizes.

Accessories		
Brine circuit (primary circuit)		MG WX
Brine accessory pack For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices male/fem. 2 x 1½ ■ Wall mounting brackets ■ Thermal insulation (vapour diffusion-proof) *Maximum flow rate in the primary circuit: 6500 l/h*	ZK02447 **837,–**	Part no. **Euro**
Pump sets for brine accessory packs Required if no primary pump is installed in the heat pump. ■ High efficiency circulation pump Grundfos UPM GEO 25/85, 230 V ■ Connection G 1½ ■ Shut-off device male/fem. 2 x 1½ ■ Thermal insulation for the circulation pump and shut-off device (vapour diffusion-proof) For type BW 301.A21	ZK02448 **634,–**	Part no. **Euro**
Pump sets for brine accessory packs Required if no primary pump is installed in the heat pump. ■ High efficiency circulation pump Grundfos UPMXL GEO 25/125, 230 V ■ Connection G 1½ ■ Shut-off device male/fem. 2 x 1½ ■ Thermal insulation for the circulation pump and shut-off device (vapour diffusion-proof) For type BW 301.A29 and BW 351.B20	ZK02449 **1.074,–**	Part no. **Euro**

Accessories		
		MG WO
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**
Brine expansion vessel, 50 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248244 **258,–**	Part no. **Euro**
Brine expansion vessel, 80 litres, 10 bar Colour: white With shut-off valve and fixings Pre-charge pressure 4.5 bar	7248245 **360,–**	Part no. **Euro**

Please note:
Size the brine accessory pack, brine manifold and brine expansion vessel in accordance with the technical guides

Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		

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Accessories		
Brine circuit (primary circuit)		MG WX
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**

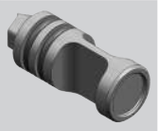
Please note:
A contactor relay is required when using 400 V brine circuit pumps.
► *For contactor relay see Control unit accessories.*

Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as a flushing tank) 	7188625 **761,–**	Part no. **Euro** MG N
Well circuit		
Plate heat exchanger (threaded) For system separation of well and brine circuits. ► *Vitoset Pricelist*		
Additional accessories on site		

6.2

Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with Wilo PARA 25/6 circulation pump	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with Wilo PARA 25/8 circulation pump	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha25/60 variable speed high efficiency circulation pump ■ With connecting cable (3.5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo PARA 25/6 circulation pump	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo PARA 25/8 circulation pump	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**

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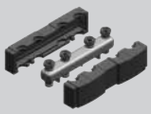
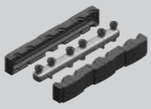
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

Safety assembly

			MG W
Safety equipment block ■ Safety assembly with safety valve (3 bar/0.3 MPa) ■ Thermal insulation		7143779 **160,–**	Part no. **Euro**

► *For heating water buffer cylinders, see Register 8.*

Miscellaneous

		MG N
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**	Part no. **Euro**

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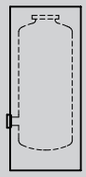
DHW heating accessories
With cylinder loading system

Vitocell 100-L

MG WH

Vitocell 100-L, type CVL
Cylinder for DHW heating with cylinder loading system.
- 500 litre capacity
- Steel, with Ceraprotect enamel coating
- Colour: Vitosilver



Z002074
2.719,–
B

Part no.
Euro
Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

MG W

Heating lance
For installation in a flanged aperture of the Vitocell
For DHW heating with a heat pump via an external heat exchanger
- Flange
- Gasket
- Flange cover; colour: Vitosilver

For Vitocell 100-L, type CVL.

ZK00037
835,–

Part no.
Euro

Impressed current anode
- Maintenance-free
- In place of the protective magnesium anode supplied

7265008
480,–

Part no.
Euro

DHW heating with external heat exchanger (cylinder loading system)

MG WX

Circulation pump for cylinder heating
For DHW heating via a plate heat exchanger.
Grundfos UPS 25-60 B.

7820403
470,–

Part no.
Euro

Circulation pump for cylinder heating
For DHW heating via a plate heat exchanger.
Grundfos UPS 32-80 B.

7820404
1.111,–

Part no.
Euro

Vitotrans 100 plate heat exchanger
Selection in accordance with technical guide.
►*See Register 8.*

Please note:
Additional accessories on site.

Accessories

MG WX

2-way motorised ball valve (DN 32)
Can be used as a shut-off valve.
- With electric drive (230 V~)
- Connection 1¼

Required when using the natural cooling control function.

7968559
625,–

Part no.
Euro

3-way diverter valve
- With electric drive
- Connection G 1½ (male thread)

For hydraulic connection of a heating water buffer cylinder with freshwater module.

ZK01344
455,–

Part no.
Euro

3-way diverter valve
- With electric drive
- Connection G 2 (male thread)

For hydraulic connection of a heating water buffer cylinder with freshwater module.

ZK01353
527,–

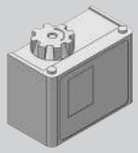
Part no.
Euro

►*For heating water buffer cylinders, see Register 10.*

6.2

Cooling accessories

Cooling

		MG WX
Natural cooling extension kit PCB for processing signals and switching the natural cooling control function. ■ Connection plug ■ Installation accessories Contact humidistat must be added to the order.	7179172 **177,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection 	7179164 **170,–**	Part no. **Euro**
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Plate heat exchanger (threaded) For natural cooling. ► *Vitoset Pricelist*		

Diverter valves

		MG WX
3-way diverter valve (R 1¼) Required when using the natural cooling control function. For integrating a heat exchanger into the primary circuit (brine).	7165482 **869,–**	Part no. **Euro**

Accessories

		MG WX
2-way motorised ball valve (DN 32) Can be used as a shut-off valve. ■ With electric drive (230 V~) ■ Connection 1¼ Required when using the natural cooling control function.	7968559 **625,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.2

Accessories		
Photovoltaics		MG WX
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system.	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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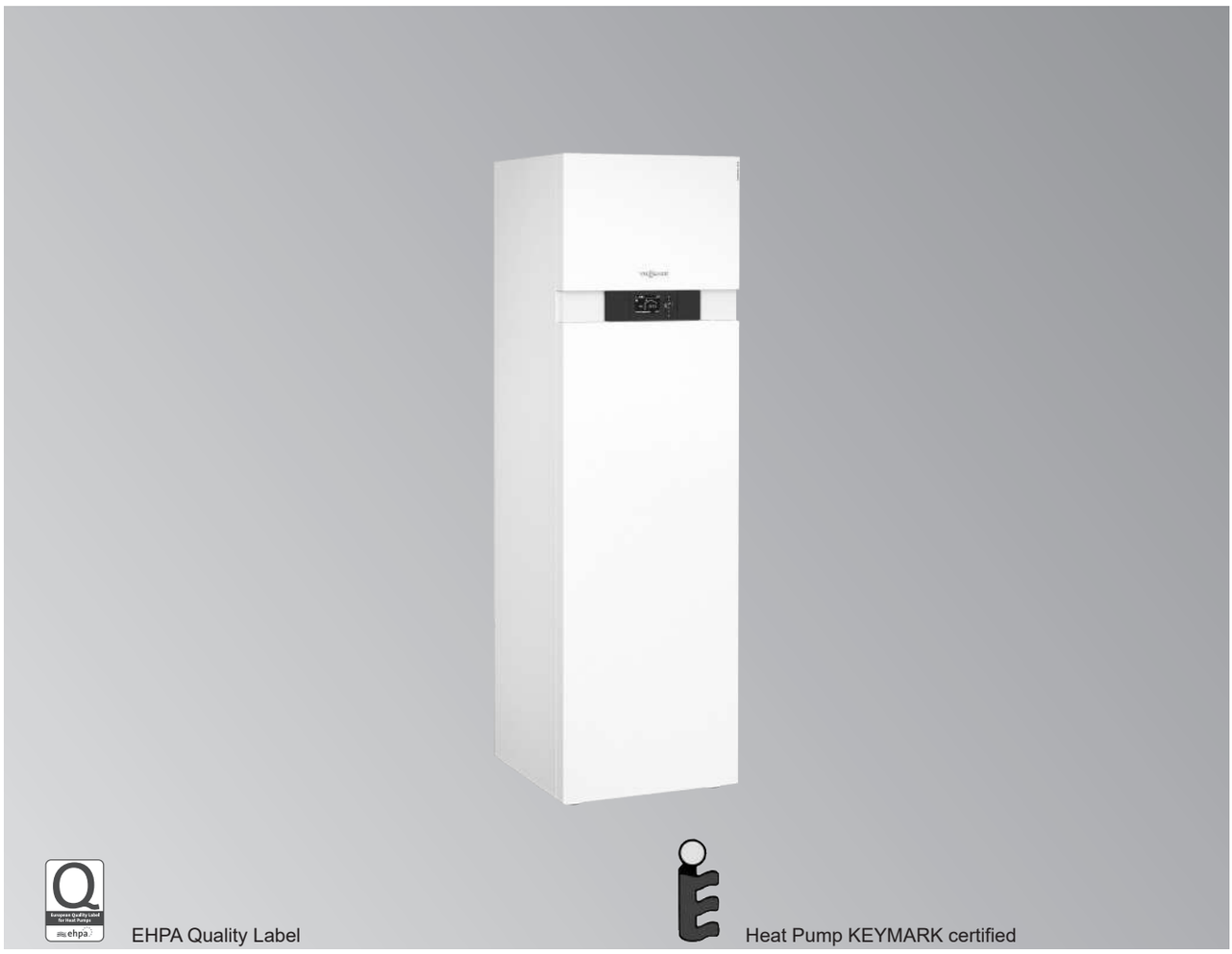

EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 222-G/333-G

Up to 65 °C flow temperature

Vitocal 222-G, type BWT 221.B: Refrigerant circuit with fixed heating output
Vitocal 333-G, type BWT 331.C: Refrigerant circuit with modulating heating output

Compact heat pumps
- DHW cylinder with 220 l capacity
- With high efficiency circulation pumps and 3-way diverter valve
- With integral instantaneous heating water heater

Permissible operating pressure:
Heating water 3 bar (0.3 MPa), **DHW** 10 bar (1 MPa)

Colour: Vitopearlwhite

- Low running costs thanks to high SCOP (seasonal coefficient of performance) to EN 14825: up to 5.3 for average climatic conditions, low temperature application (W35)
- Especially quiet thanks to new sound insulation concept (at B0/W55):
  - Vitocal 222-G: 46 dB(A)
  - Vitocal 333-G: 33 to 47 dB(A)
- Vitocal 222-G: low running costs with high efficiency due to refrigerant cycle diagnostic (RCD) system with electronic expansion valve (EEV)
- Vitocal 333-G: very low running costs due to refrigerant circuit with output-dependent control and innovative inverter technology for the highest SCOP
- High DHW convenience (label A+) and very high draw-off rates (up to 315 litres)
- Easy handling as the heat pump module can be quickly removed thanks to push-fit connections
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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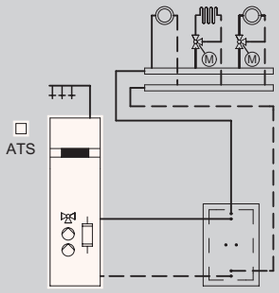
VITOCAL 222-G/333-G

Compact heat pumps
Vitocal 222-G, type BWT 221.B

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for the heating circuit with mixer, the cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.3

Standard delivery:

- Brine/water heat pump for central heating and DHW heating
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor
- Connection pipes for primary circuit flow and return (brine) can be connected on the left or right (supplied)
- Connection pipes for secondary circuit flow and return (heating) for connection at the top (supplied)

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Type	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)				MG WT
	5.8	7.5	10.4		
BWT 221.B06	Z016841 **7.465,–** A++ A+	–	–		Part no. **Euro**
BWT 221.B08	–	Z016842 **8.115,–** A++ A+	–		Part no. **Euro**
BWT 221.B10	–	–	Z016843 **8.987,–** A+++ A+		Part no. **Euro**
Specification					
Coefficient of performance (COP)	4.6	4.6	4.8		
Seasonal coefficient of performance (SCOP)	4.9	5.2	5.3		
Flow temperature	65	65	65		°C
Cylinder capacity	220	220	220		l
Length	680	680	680		mm
Width	600	600	600		mm
Height	2000	2000	2000		mm
Weight	277	282	288		kg
Energy efficiency ηs at W35	186	201	204		%
Energy efficiency ηs at W55	134	143	150		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	8	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4	4,2	4,3		

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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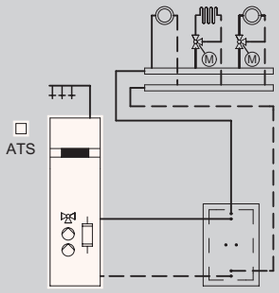
VITOCAL 222-G/333-G

Compact heat pumps
Vitocal 333-G, type BWT 331.C

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for the heating circuit with mixer, the cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.3

Standard delivery:

- Brine/water heat pump for central heating and DHW heating
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral phase monitor
- Connection pipes for primary circuit flow and return (brine) can be connected on the left or right (supplied)
- Connection pipes for secondary circuit (heating) flow and return for connection at the top (supplied)

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	Type	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)			MG WT
		4.3	5.3		
	BWT 331.C06	Z016844 **10.834,–** A++ A+	**–**		Part no. **Euro**
	BWT 331.C12	**–**	Z016845 **11.235,–** A+++ A+		Part no. **Euro**

Specification				
Min./max. output range	1.7 - 8.6	2.4 - 11.4		kW
Coefficient of performance (COP)	4.7	4.8		
Seasonal coefficient of performance (SCOP)	5.3	5.3		
Flow temperature	65	65		°C
Cylinder capacity	220	220		l
Length	680	680		mm
Width	600	600		mm
Height	2000	2000		mm
Weight	277	282		kg
Energy efficiency ηs at W35	204	205		%
Energy efficiency ηs at W55	141	151		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	12		
COPd + 7 °C by medium temperature use, medium climate conditions	4,1	4,57		

Min./max. output range at operating point B0/W35

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

Vitocal 222-G

Type	BWT 221.B06	BWT 221.B08	BWT 221.B10	
Rated heating output	7.1	9.2	12.4	kW
COP	5.7	6.2	6.4	
Water/water heat pump conversion kit	7441719 **815,–**	7441720 **815,–**	7441721 **815,–**	Part no. **Euro** **MG WX**

Vitocal 333-G

Type	BWT 331.C06	BWT 331.C12		
Rated heating output	5.3	6.7		kW
COP	6.4	6.4		
Water/water heat pump conversion kit	7441720 **815,–**	7441722 **815,–**		Part no. **Euro** **MG WX**

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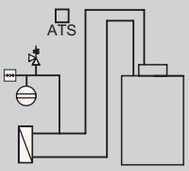
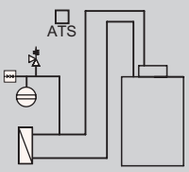
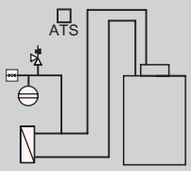
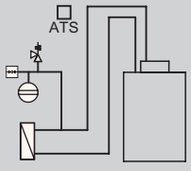
Conversion to Vitocal 222-G water/water heat pump

Conversion kits for water/water application

Type		BWT 221.B06	BWT 221.B08	BWT 221.B10	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00303 **4.695,–**	ZK00305 **4.921,–**	ZK00307 **5.376,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00304 **3.305,–**	ZK00306 **3.305,–**	ZK00308 **3.305,–**	Part no. **Euro**

Conversion to Vitocal 333-G water/water heat pump

Conversion kits for water/water application

Type		BWT 331. C06	BWT 331. C12	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00305 **4.921,–**	ZK00309 **5.602,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00306 **3.305,–**	ZK00310 **3.798,–**	Part no. **Euro**

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 11 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see Register 11 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 11.2

Energy Management Systems

Viessmann Energy Management
Viessmann heat pumps available from November 2017 are compatible with the Viessmann Energy Management System. This enables balanced operation of those components in the building that generate, consume or store power. The focus is on optimised self-consumption of self-generated photovoltaic power. The information is available live and also in the history for up to 2 years. The ViCare app shows how much CO_2 is saved by the system.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

►For ventilation units and accessories, see Pricelist Part 2, Register 9

Brine circuit (primary circuit)

		MG WX
Brine accessory pack up to 17 kW For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices, male, 2 x 1¼ ■ EPP thermal insulation *Maximum flow rate in the primary circuit: 5000 l/h*	ZK05955 **584,–**	Part no. **Euro**

Accessories

		MG WO
Brine expansion vessel, 25 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248242 **134,–**	Part no. **Euro**
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**

Please note:
Size the brine accessory pack, brine manifold and brine expansion vessel in accordance with the technical guides

Accessories		
Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**
Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as a flushing tank)	7188625 **761,–**	Part no. **Euro** MG N
Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**
Overflow valve (R ¾) For ensuring the minimum flow rate	ZK05500 **64,–**	Part no. **Euro**

6.3

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Accessories

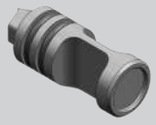
Heating circuit

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha25/60 variable speed high efficiency circulation pump ■ With connecting cable (3.5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**

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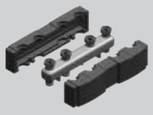
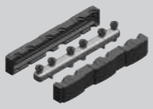
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

6.3

Accessories		
Vitocell 100-W		MG WH
Vitocell 100-W, Vitopearlwhite ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1) ■ For ensuring the minimum system volume (defrost energy) ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket For systems with the following operating data: ■ Heating water flow temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z017685 **716,–** B	Part no. **Euro** Energy
Vitocell 100-E		MG WH
Vitocell 100-E, 50 litre capacity, Vitopearlwhite ■ For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z026457 **583,–** B	Part no. **Euro** Energy
Vitocell 100-E, 75 litre capacity, Vitopearlwhite ■ For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z026458 **742,–** B	Part no. **Euro** Energy
Hydraulic connection accessories		MG WX
DHW circulation connection set ■ DHW circulation pump ■ Pipe assembly with thermal insulation ■ For installation in the heat pump casing	ZK04652 **422,–**	Part no. **Euro**

► *For heating water buffer cylinders, see Register 10.*

Accessories		
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	MG W Part no. **Euro**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7182008 **214,–**	Part no. **Euro**
Miscellaneous		
Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation	7417925 **474,–**	Part no. **Euro** MG WX

6.3

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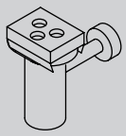
Accessories		
Miscellaneous		
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** **MG W**
Heat pump module transport aid To enable 2 people to easily remove and carry the refrigerant circuit module.	ZK04568 **118,–**	Part no. **Euro** **MG WX**

6.3

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Cooling accessories

Cooling

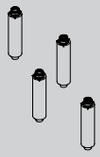
MG WX

NC-Box
Pre-assembled unit for implementing the natural cooling function with one heating/cooling circuit.
For the connection of underfloor heating systems, chilled ceilings or fan convectors, for example.
Max. cooling capacity depends on the heat source used.
Direct switching by the heat pump control unit (NC signal).
Modulation via the speed of the primary circulation pump of the heat pump.
Installation possible on the back of the heat pump or on the wall.
- 3-way diverter valves (heating/cooling)
- Plate heat exchanger
- Thermally insulated casing (EPP)

Length	520 mm
Height	422 mm
Width	265 mm
Weight	9 kg

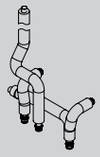
ZK05954
2.478,–
Part no.
Euro

Hydraulic connection set NC-Box, wall mounting
Pre-assembled pipe assembly for connection to the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06080
145,–
Part no.
Euro

NC-Box hydraulic connection set, installation on compact heat pumps
Prefabricated pipe assembly for connection to the rear of the compact heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06082
276,–
Part no.
Euro

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

7181418
570,–
Part no.
Euro

Sensors

MG W

Contact temperature sensor (NTC 10 kOhm)
- To capture the temperature on a pipe
- With connecting lead (5.8 m long) and plug

To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.

7426463
110,–
Part no.
Euro

Room temperature sensor (NTC 10 kOhm)
In an enclosure for wall mounting
To capture the room temperature when cooling via a **separate** cooling circuit.

7438537
87,–
Part no.
Euro

6.3

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Solar accessories

Accessories

MG WO

Solar collectors
Max. connectible collector area
- **4.6 m²** Vitosol 100-FM/200-FM
- **3 m²** Vitosol 200-TM/300-TM

► See Pricelist Part 1, Register 9.

Solar heat exchanger set (Divicon)
For connecting solar thermal systems to type BWT 221.B and 331.C
- Circulation pump
- Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon
- Thermal insulation
- Connection elbow with sensor well

ZK05960
1.183,–

Part no.
Euro
MG WX

Solar-Divicon, type PS 10
Two-line pump station for the collector circuit
Delivery head: 6.0 m at a pump rate of 1000 l/h
- Variable speed high efficiency circulation pump
- **Integral SDIO/SM1A electronics module**
- Fill valves
- Air separator
- 2 thermometers
- 2 ball valves with check valve
- Circulation pump
- Flow indicator
- Pressure gauge
- Safety valve (6 bar)
- Thermal insulation
- Locking ring fitting/double O-ring 22 mm

Z021901
1.239,–

Part no.
Euro

High limit temperature cut-out device for solar thermal system
For installation in the loading cylinder integrated into the heat pump.
- Max. switching point 95 °C

7506168
90,–

Part no.
Euro
MG WX

Heat transfer medium

MG WO

"Tyfocor LS" heat transfer medium
25 litres in a disposable container.
Ready mixed, down to -28 °C.
Tyfocor LS can be mixed with Tyfocor G-LS.

7159727
206,–

Part no.
Euro

► *For filling station, see brine circuit*

6.3

Accessories		
Photovoltaics		MG WX
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

VITOCAL 100-S

Air source heat pumps
Split version
1.3 to 11.6 kW (A2/W35)
1.8 to 17.1 kW (A7/W35)

Heat Pump KEYMARK certified

6.5

Vitocal 100-S

Up to a flow temperature of 58 °C, 4-8 kW.

Types AWB-M 101.A/B and AWB 101.A/B
Heat pump with electric drive in split design with outdoor and indoor unit. For central heating and DHW heating in heating systems. Indoor unit with Vitotronic 200 heat pump control unit, high efficiency circulation pump for the secondary circuit, 3-way diverter valve, diaphragm expansion vessel and integral safety assembly.

Types AWB-M-E-AC 101.A/B and AWB-E-AC 101.A/B
Equipment level as per types AWB-M 101.A/B and AWB 101.A/B plus active cooling function.
With integral instantaneous heating water heater.

Types AWB-M-E 101.A/B and AWB-E 101.A/B
Equipment level as per types AWB-M 101.AB and AWB 101.A/B.
With integral instantaneous heating water heater.

Permissible operating pressure: heating water 3 bar (0.3 MPa).

Colour: Vitopearlwhite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.1 (A7/W35) and 3.8 (A2/W35).
- Output control and DC inverter for high efficiency in partial load operation.
- Indoor unit with high efficiency circulation pump, heat exchanger, 3-way diverter valve, safety assembly, diaphragm expansion vessel and control unit; with instantaneous heating water heater for versions -E and -AC.
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Convenient reversible design that enables heating and cooling to different temperature levels (AC version).
- Optimised utilisation of self-generated power from photovoltaic systems.
- Cascade function for up to 5 heat pumps.
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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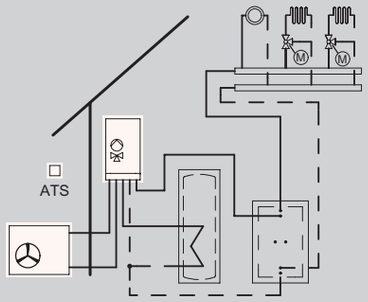
VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M 101.A/B
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter ■ Control of an instantaneous heating water heater Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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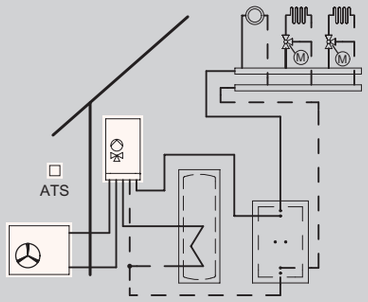
Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG W2
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	
AWB-M 101.B04 **230** R32	Z019089 **4.859,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M 101.B06 **230** R32	–	Z019090 **5.071,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M 101.B08 **230** R32	–	–	Z019091 **5.276,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M 101.A12 **230** R410A	–	–	–	Z014666 **6.769,–** A+	–	–	Part no. **Euro** Energy
AWB-M 101.A14 **230** R410A	–	–	–	–	Z014667 **6.942,–** A+	–	Part no. **Euro** Energy
AWB-M 101.A16 **230** R410A	–	–	–	–	–	Z014668 **7.228,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	3.0 - 7.2	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	342	342	mm
Indoor unit weight	42	42	42	45	45	45	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB 101.A
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter ■ Control of an instantaneous heating water heater Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
AWB 101.A12 **400** R410A	Z014669 **6.953,–** A+	–	–		Part no. **Euro** Energy
AWB 101.A14 **400** R410A	–	Z014670 **7.227,–** A+	–		Part no. **Euro** Energy
AWB 101.A16 **400** R410A	–	–	Z014671 **7.519,–** A+		Part no. **Euro** Energy

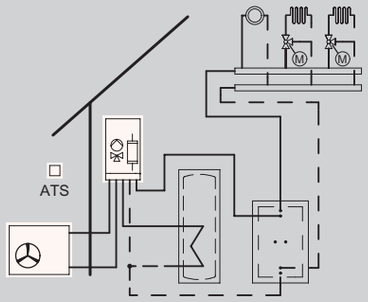
Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	45	45	45		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E 101.A/B
Heating and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E 101.A/B
Heating and integral instantaneous heating water heater

Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	MG W2
AWB-M-E 101.B04 **230** R32	Z019092 **4.967,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.B06 **230** R32	–	Z019093 **5.179,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.B08 **230** R32	–	–	Z019094 **5.384,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.A12 **230** R410A	–	–	–	Z014654 **6.893,–** A+	–	–	Part no. **Euro** Energy
AWB-M-E 101.A14 **230** R410A	–	–	–	–	Z014655 **7.066,–** A+	–	Part no. **Euro** Energy
AWB-M-E 101.A16 **230** R410A	–	–	–	–	–	Z014656 **7.352,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	45	45	45	48	48	48	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4	4,1	

6.5

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

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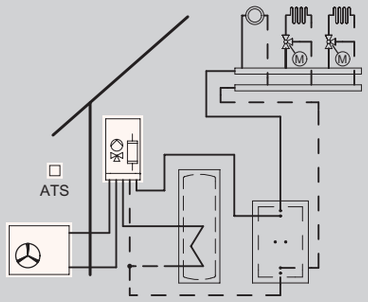
VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-E 101.A
Heating and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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	Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
	AWB-E 101.A12 **400** R410A	Z014657 **7.077,–** A+	–	–		Part no. **Euro** Energy
	AWB-E 101.A14 **400** R410A	–	Z014658 **7.351,–** A+	–		Part no. **Euro** Energy
	AWB-E 101.A16 **400** R410A	–	–	Z014659 **7.643,–** A+		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	48	48	48		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

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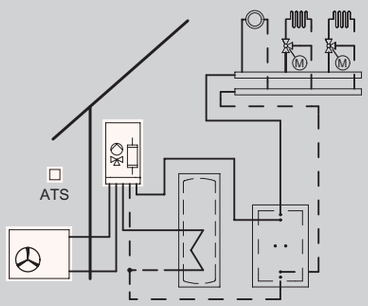
VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E-AC 101.A/B
Heating, cooling and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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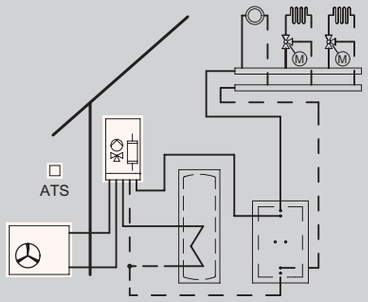
Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E-AC 101.A/B
Heating, cooling and integral instantaneous heating water heater

Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG W2
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	
AWB-M-E-AC 101.B04 **230** R32	Z019095 **5.080,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.B06 **230** R32	–	Z019096 **5.292,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.B08 **230** R32	–	–	Z019097 **5.497,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A12 **230** R410A	–	–	–	Z014660 **7.007,–** A+	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A14 **230** R410A	–	–	–	–	Z014661 **7.180,–** A+	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A16 **230** R410A	–	–	–	–	–	Z014662 **7.466,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.7	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Cooling capacity	4.0	5.5	7.0	8.1	9.0	9.5	kW
Energy efficiency ratio (EER)	5.7	5.2	4.7	4.0	3.8	3.7	
Cooling capacity range A35/ W18 °C	3.5 - 5.7	3.5 - 7.0	3.6 - 10.0	6.0 - 13.8	6.3 - 14.7	6.5 - 15.6	
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	45	45	45	48	48	48	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Cooling capacity and EER at operating point A35/W18 to EN 14511.
Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-E-AC 101.A
Heating, cooling and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Air source heat pumps, split version
Vitocal 100-S, type AWB-E-AC 101.A
Heating, cooling and integral instantaneous heating water heater

Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
AWB-E-AC 101.A12 **400** R410A	Z014663 **7.191,–** A+	–	–		Part no. **Euro** Energy
AWB-E-AC 101.A14 **400** R410A	–	Z014664 **7.465,–** A+	–		Part no. **Euro** Energy
AWB-E-AC 101.A16 **400** R410A	–	–	Z014665 **7.757,–** A+		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Cooling capacity	7.9	8.9	9.3		kW
Energy efficiency ratio (EER)	3.8	3.6	3.6		
Cooling capacity range A35/ W18 °C	4.7 - 14.8	5.0 - 16.0	5.3 - 17.0		
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	48	48	48		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Cooling capacity and EER at operating point A35/W18 to EN 14511.
Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

Energy Management Systems

Viessmann Energy Management
Viessmann heat pumps available from November 2017 and Vitocharge VX3 are compatible with the Viessmann Energy Management System. This enables balanced operation of those components in the building that generate, consume or store power. The focus is on optimised self-consumption of self-generated photovoltaic power. The information is available live and also in the history for up to 2 years. The ViCare app shows how much CO_2 is saved by the system.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

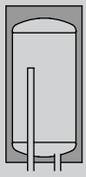
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



Z017685
716,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Accessories

MG WX

3-way diverter valve
For installation in the return in cascade applications.

ZK02928
204,–

Part no.
Euro

Instantaneous heating water heater
For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater.
- 3-stage heating output 3, 6 and 9 kW

ZK02936
305,–

Part no.
Euro

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

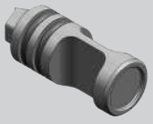
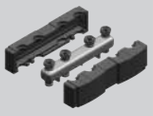
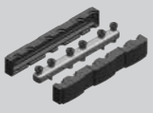
6.5

Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.*				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable to mixer PCB (3,5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable (3.5 m long)	Z008952 **735,–**	Z008953 **753,–**	**–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable (3.5 m long)	**–**		ZK01828 **794,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

Note!

- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

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Accessories

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)

DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
			Part no.
	7441998		
	460,–		**Euro**

Mixer extension kit
For one heating circuit with mixer, fully wired

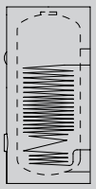
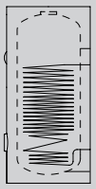
- Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump

For the 1st heating circuit with mixer (M2) and for integrating an external heat generator; activated directly by the Vitotronic 200.

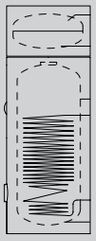
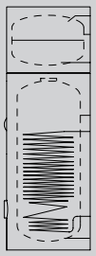
6.5

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header* 	Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.* 	Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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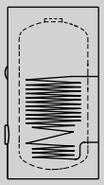
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)	390	500	
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro** MG W

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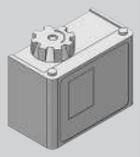
Cooling accessories
For types AWB-M-E-AC/AWB-E-AC

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 11.7.

Accessories

		MG WX
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.5

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			

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Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

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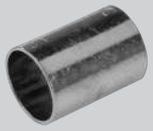
Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ Made of aluminium profiles, height 300 mm, length 630 mm ■ For positioning on level ground ■ 2 pce *For types 101.B04/B06/B08*	7441142 **144,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit Made from aluminium profiles, height 300 mm, length 630 mm. For siting on level ground. 2 pce. *For types 101.A12/A14/A16*	ZK02667 **161,–**	Part no. **Euro**

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Accessories		
Brackets for outdoor unit		MG WX
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 520 mm, length 600 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit 	7172386 **305,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.B04/B06/B08*	ZK05267 **1.023,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 101.A12/A14/A16*	ZK00703 **1.248,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.B04/B06/B08*	ZK05268 **850,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.A12/A14/A16*	ZK00705 **993,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 101.B04/B06/B08*	ZK00290 **862,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.B04/B06/B08*	ZK00292 **689,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.A12/A14/A16*	ZK02670 **1.104,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1.0 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.A12/A14/A16*	ZK02671 **849,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Electrical connection		MG WX
Bus cable, length 15 m Fully wired bus cable between the outdoor and indoor unit.	ZK02668 **37,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired bus cable between the outdoor and indoor unit.	ZK02669 **63,–**	Part no. **Euro**

Note!
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Photovoltaics			MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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VITOCAL 111-S

Air source heat pumps
Compact appliances, split version
1.3 to 11.6 kW (A2/W35)
1.8 to 17.1 kW (A7/W35)

Heat Pump KEYMARK certified

Vitocal 111-S

Up to a flow temperature of 58 °C, 4-8 kW

Type AWBT(-M)-E 111.A/B
- Compact heat pump in split design for room heating and DHW heating in heating systems.
- DHW cylinder with 220 litre capacity.
- High efficiency circulation pump for the heating circuit, 3-way diverter valve
- Instantaneous heating water heater integrated

Type AWBT(-M)-E-AC 111.A/B
Equipment level as per type AWBT(-M)-E 111.A/B plus active cooling function

Permissible operating pressure:
- **Heating water 3 bar (0.3 MPa)**
- **DHW 10 bar (1 MPa)**

Colour of indoor/outdoor unit: Vitopearlwhite/white

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.1 (A7/W35) and 3.8 (A2/W35).
- Output control and DC inverter for high efficiency in partial load operation.
- Compact indoor unit with 220 litre DHW cylinder, high efficiency circulation pump, condenser, 3-way diverter valve, safety assembly, expansion vessel and control unit; integral instantaneous heating water heater for the E versions.
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Optimised utilisation of self-generated power from photovoltaic systems.
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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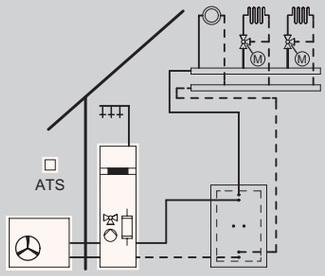
VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-M-E 111.A/111.B
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

6.6

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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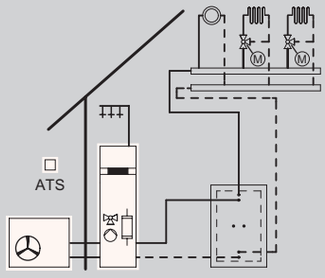
Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	MG W2
AWBT-M-E 111.B04 **230** R32	Z019110 **6.255,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E 111.B06 **230** R32	–	Z019111 **6.467,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E 111.B08 **230** R32	–	–	Z019112 **6.672,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E 111.A12 **230** R410A	–	–	–	Z016978 **8.402,–** A+ A	–	–	Part no. **Euro**
AWBT-M-E 111.A14 **230** R410A	–	–	–	–	Z016979 **8.575,–** A+ A	–	Part no. **Euro**
AWBT-M-E 111.A16 **230** R410A	–	–	–	–	–	Z016980 **8.861,–** A+ A	Part no. **Euro**
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-E 111.A
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.6

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.9	 15.7 10.6		MG W2
AWBT-E 111.A12 **400** R410A	Z016981 **8.586,–** A+ A	–	–		Part no. **Euro**
AWBT-E 111.A14 **400** R410A	–	Z016982 **8.860,–** A+ A	–		Part no. **Euro**
AWBT-E 111.A16 **400** R410A	–	–	Z016983 **9.152,–** A+ A		Part no. **Euro**
Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Cylinder capacity	220	220	220		l
Indoor unit width	600	600	600		mm
Indoor unit height	1874	1874	1874		mm
Indoor unit length	681	681	681		mm
Indoor unit weight	171	171	171		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 111-S

Further specifications
Vitocal 111-S, type AWBT-M-E 111.A/B and type AWBT-E 111.A
Heating

Specification	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)									
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	11.5 9.0	13.5 9.9	15.7 10.6	
Type	AWBT-M-E 111.B04	AWBT-M-E 111.B06	AWBT-M-E 111.B08	AWBT-M-E 111.A12	AWBT-M-E 111.A14	AWBT-M-E 111.A16	AWBT-E 111.A12	AWBT-E 111.A14	AWBT-E 111.A16	
Indoor unit width	600	600	600	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	114	114	114	kg
Dimensions of hot gas line	12	12	12	16	16	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	10	10	10	Ø mm
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	3,7	3,8	3,7	

6.6

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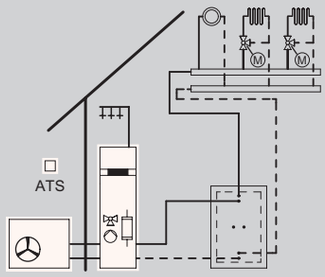
VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-M-E-AC 111.A/111.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling control function, optimisation of self-consumption and swimming pool heating (see Accessories).

6.6

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG W2
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	
AWBT-M-E-AC 111.B04 **230** R32	Z019113 **6.663,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.B06 **230** R32	–	Z019114 **6.875,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.B08 **230** R32	–	–	Z019115 **7.080,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.A12 **230** R410A	–	–	–	Z016987 **8.819,–** A+ A+	–	–	Part no. **Euro**
AWBT-M-E-AC 111.A14 **230** R410A	–	–	–	–	Z016988 **8.992,–** A+ A+	–	Part no. **Euro**
AWBT-M-E-AC 111.A16 **230** R410A	–	–	–	–	–	Z016989 **9.278,–** A+ A+	Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Cooling capacity	4.0	5.5	7.0	8.1	9.0	9.5	kW
Energy efficiency ratio (EER)	5.7	5.2	4.7	4.0	3.8	3.7	
Cooling capacity range	3.5 - 5.7	3.5 - 7.0	3.6 - 10.0	6.0 - 13.8	6.3 - 14.7	6.5 - 15.6	kW
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

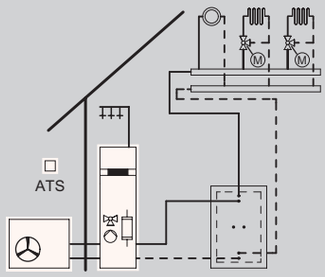
Cooling capacity and EER at operating point A35/W18 to EN 14511.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

►Dimensions and weights: see "Further specifications".

VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-E-AC 111.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling control function, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.6

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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	Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
	AWBT-E-AC 111.A12 **400** R410A	Z016990 **9.003,–** A+ A+	–	–		Part no. **Euro**
	AWBT-E-AC 111.A14 **400** R410A	–	Z016991 **9.277,–** A+ A+	–		Part no. **Euro**
	AWBT-E-AC 111.A16 **400** R410A	–	–	Z016992 **9.569,–** A+ A+		Part no. **Euro**
	Specification					
	Coefficient of performance (COP) at A7	4.5	4.5	4.4		
	Coefficient of performance (COP) at A2	3.3	3.3	3.3		
	Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
	Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
	Flow temperature	55	55	55		°C
	Sound power level	64	64	64		dB(A)
	Cylinder capacity	220	220	220		l
	Cooling capacity	7.9	8.9	9.3		kW
	Energy efficiency ratio (EER)	3.8	3.6	3.6		
	Cooling capacity range	4.7 - 14.8	5.0 - 16.0	5.3 - 17.0		kW
	Rated heating output A2/W35	7.4	8.4	9.5		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
	COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Cooling capacity and EER at operating point A35/W18 to EN 14511.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

►Dimensions and weights: see "Further specifications".

VITOCAL 111-S

Further specifications
Vitocal 111-S, types AWBT-M-E-AC 111.A/111.B and AWBT-E-AC 111.A
Heating and cooling

Specification	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)									
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	11.5 9.0	13.5 9.8	15.7 10.6	
Type	AWBT-M-E-AC 111.B04	AWBT-M-E-AC 111.B06	AWBT-M-E-AC 111.B08	AWBT-M-E-AC 111.A12	AWBT-M-E-AC 111.A14	AWBT-M-E-AC 111.A16	AWBT-E-AC 111.A12	AWBT-E-AC 111.A14	AWBT-E-AC 111.A16	
Indoor unit width	600	600	600	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	114	114	114	kg
Dimensions of hot gas line	12	12	12	16	16	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	10	10	10	Ø mm

Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

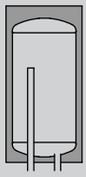
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



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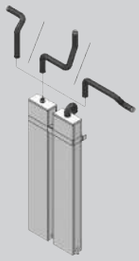
716,–
B

Part no.
Euro
Energy

Vitocell 100-E

MG WH

Vitocell 100-E, type SVPA
For storing heating water in conjunction with compact heat pumps. For ensuring the minimum system volume (defrost energy)
- For installation at the back of the compact appliance
- Thermally insulated
- 40 litre capacity
- Colour: black
- Overflow valve



ZK03801
763,–
B

Part no.
Euro
Energy
MG WX

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps
- With rigid PUR foam thermal insulation
- 50 litre capacity
- Colour: Vitopearlwhite

Z026457
583,–
A

Part no.
Euro
Energy

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps
- With rigid PUR foam thermal insulation
- 75 litre capacity
- Colour: Vitopearlwhite

Z026458
742,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Heating circuit

MG WX

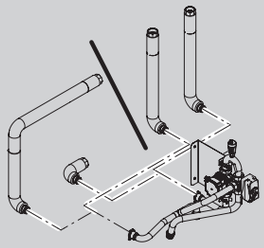
Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

6.6

Accessories

Accessories		MG WX
Hydraulic connection set for heating circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G ¾ ■ Thermally insulated DHW circulation pipe G ¾	ZK02960 **312,–**	Part no. **Euro**
Hydraulic connection set for heating circuit, surface mounting, connection to left or right ■ Thermally insulated heating water flow and heating water return line G 1¼ with 90° bend ■ Thermally insulated cold water and DHW line G ¾ with 90° bend ■ Thermally insulated DHW circulation pipe G ¾ with 90° bend	ZK02959 **324,–**	Part no. **Euro**
Installation kit with mixer Hydraulic components for direct connection of a heating circuit with mixer to the indoor unit. For systems without heating water buffer cylinder in the secondary circuit flow ■ Heating circuit pump and heating circuit mixer for installation in the indoor unit ■ Thermally insulated heating water flow and heating water return line G 1¼, for integration into the hydraulic connection set ■ Flow temperature sensor ■ Cable harness *To ensure the minimum system volume, a heating water buffer cylinder in the secondary circuit return may be required.* 	ZK02958 **1.402,–**	Part no. **Euro**
Instantaneous heating water heater For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater. ■ 3-stage heating output 3, 6 and 9 kW	ZK02936 **305,–**	Part no. **Euro**

Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

6.6

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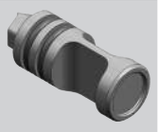
Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**

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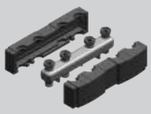
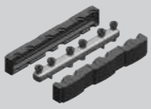
Accessories

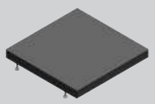
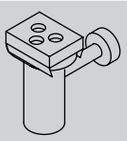
Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump For the 1st heating circuit with mixer (M2), activated directly by the Vitotronic 200.		7441998 **460,–**			Part no. **Euro**

DHW heating accessories		
Accessories		MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**
Miscellaneous		MG WX
Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation 	7417925 **474,–**	Part no. **Euro**
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** MG W

Solar accessories

Accessories

MG WX

Solar collectors
Max. connectible collector area
- 4.6 m² Vitosol 100-FM/200-FM
- 3 m² Vitosol 200-TM/300-TM

► **See Register 9.**

Solar heat exchanger set (Divicon)
For connecting solar thermal systems to compact appliances
- Circulation pump
- Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon
- Thermal insulation

ZK05953
1.128,–
Part no.
Euro

Solar-Divicon, type PS 10
With variable speed high efficiency circulation pump for alternating current
Delivery head: 6.0 m at a pump rate of 1000 l/h
With integral SDIO/SM1A electronics module

Z021901
1.239,–
Part no.
Euro

High limit temperature cut-out device for solar thermal system
For installation in the loading cylinder integrated into the heat pump.
- Max. switching point 95 °C

7506168
90,–
Part no.
Euro

Heat transfer medium

MG WX

"Tyfocor LS" heat transfer medium
25 litres in a disposable container.
Ready mixed, down to -28 °C.
Tyfocor LS can be mixed with Tyfocor G-LS.

7159727
206,–
Part no.
Euro

Filling station
- Self-priming impeller pump, 30 litres/min
- Dirt filter (intake side)
- Hose, 0.5 m long (intake side)
- Connection hose, 2.5 m long (2 pce)
- Packing crate (can be used as a flushing tank)

7188625
761,–
Part no.
Euro
MG N

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Cooling accessories

Cooling

MG WX

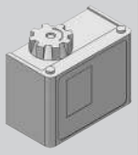
Contact humidistat 24 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.

7181418
570,–
Part no.
Euro

Contact humidistat 230 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.

7452646
523,–
Part no.
Euro

Frost stat
Safety switch for heat pump frost protection
Temperature limit adjustable from -25 to 15 °C



7179164
170,–
Part no.
Euro

High efficiency circulation pump Wilo Yonos PICO plus 30/1-6
Connection Rp 1¼
Installed length 180 mm
Nominal pressure 6 bar

7783570
673,–
Part no.
Euro

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Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

MG W

Return distribution set (for type PBS)
■ 3-way diverter valve G 1 (male) for external installation.
■ For temperature-dependent stratification of the return in the heating water buffer cylinder.
For the bypass circuit of the heating water buffer cylinder in cooling mode.
2 pce required.

ZK01343
392,–
Part no.
Euro

Return distribution set (for types PBM and PBL)
■ 3-way diverter valve G 1½ (male) for external installation.
■ For temperature-dependent stratification of the return in the heating water buffer cylinder.
For the bypass circuit of the heating water buffer cylinder in cooling mode.
2 pce required.

ZK01344
455,–
Part no.
Euro

Sensors

MG W

Contact temperature sensor (NTC 10 kOhm)
■ To capture the temperature on a pipe
■ With connecting lead (5.8 m long) and plug
To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.

7426463
110,–
Part no.
Euro

Room temperature sensor (NTC 10 kOhm)
In an enclosure for wall mounting
To capture the room temperature when cooling via a **separate** cooling circuit.

7438537
87,–
Part no.
Euro

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Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		

Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

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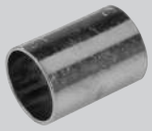
Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ Made of aluminium profiles, height 300 mm, length 630 mm ■ For positioning on level ground ■ 2 pce *For types 111.B04/B06/B08*	7441142 **144,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit Made from aluminium profiles, height 300 mm, length 630 mm. For siting on level ground. 2 pce. *For types 111.A12/14/16*	ZK02667 **161,–**	Part no. **Euro**

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Accessories		
Brackets for outdoor unit		MG WX
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 520 mm, length 600 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit 	7172386 **305,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.B04/B06/B08*	ZK05267 **1.023,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 111.A12/14/16*	ZK00703 **1.248,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.B04/B06/B08*	ZK05268 **850,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.A12/14/16*	ZK00705 **993,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 111.B04/B06/B08*	ZK00290 **862,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.B04/B06/B08*	ZK00292 **689,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.A12/14/16*	ZK02670 **1.104,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1.0 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.A12/14/16*	ZK02671 **849,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Electrical connection		MG WX
Bus cable, length 15 m Fully wired bus cable between the outdoor and indoor unit.	ZK02668 **37,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired bus cable between the outdoor and indoor unit.	ZK02669 **63,–**	Part no. **Euro**

Note!
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Photovoltaics			MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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VITOCAL 200-S

Air source heat pumps
Split version
2.0 to 11.2 kW (A2/W35)
2.4 to 14.7 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

6.7

Vitocal 200-S

Up to 60 °C flow temperature.
Types AWB-M-E 201.D and AWB-E 201.D
Heat pump with electric drive in split design with outdoor and indoor unit. For central heating and DHW heating in heating systems. Indoor unit with Vitotronic 200 heat pump control unit, high efficiency circulation pump for the secondary circuit and 3-way diverter valve. With integral instantaneous heating water heater.

Types AWB-M-E-AC 201.D and AWB-E-AC 201.D
Equipment level as per type AWB-M-E 201.D and AWB-E 201.D plus active cooling function.

Permissible operating pressure: heating water 3 bar (0.3 MPa).
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35 and 4.1 at A2/W35.
- Output control and DC inverter for high efficiency in partial load operation.
- Maximum flow temperature up to 60 °C at -10 °C outside temperature.
- Compact indoor unit with high efficiency circulation pump, condenser, 3-way diverter valve, instantaneous heating water heater, safety assembly and control unit
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Convenient reversible design that enables heating and cooling.
- Optimised utilisation of self-generated power from photovoltaic systems.
- COP-optimised cascade function for up to 5 heat pumps.
- Especially quiet operation thanks to Advanced Acoustic Design (AAD).
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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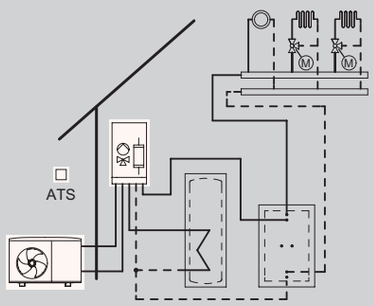
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E 201.D
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.7

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWB-M-E 201.D04 **230**	Z015210 **6.212,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D06 **230**	–	Z015211 **6.478,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D08 **230**	–	–	Z015212 **6.733,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D10 **230**	–	–	–	Z015213 **9.160,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E 201.D13 **230**	–	–	–	–	Z015214 **9.404,–** A++	–	Part no. **Euro** Energy
AWB-M-E 201.D16 **230**	–	–	–	–	–	Z015215 **10.008,–** A++	Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	4.6	4.6	4.7	4.7	4.7	4.5	
Coefficient of performance (COP)	3.6	3.7	4.0	4.0	4.0	3.6	
Heating output range at A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Heating output range at A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	44	44	44	45	45	45	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.

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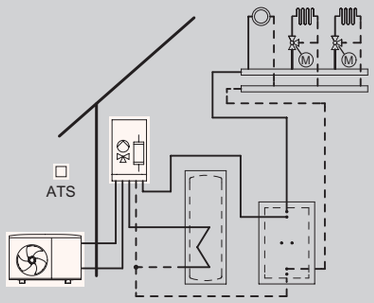
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-E 201.D
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.7

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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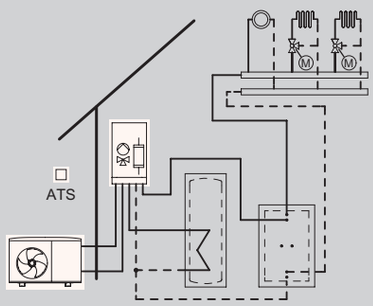
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	8.9 10.7	10.1 11.6		MG WS
	AWB-E 201.D10 **400**	Z015216 **9.542,–** A++	–	–		Part no. **Euro** Energy
	AWB-E 201.D13 **400**	–	Z015217 **9.789,–** A++	–		Part no. **Euro** Energy
	AWB-E 201.D16 **400**	–	–	Z015218 **10.032,–** A++		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	5.0		
Coefficient of performance (COP)	4.1	4.0	3.9		
Heating output range at A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7		kW
Heating output range at A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2		kW
Flow temperature	60	60	60		°C
Sound power level	55	55	55		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	45	45	45		kg
Outdoor unit width	1109	1109	1109		mm
Outdoor unit height	1377	1377	1377		mm
Outdoor unit length	546	546	546		mm
Outdoor unit weight	148	148	148		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	5.9	6.3	7.0		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.

VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.D
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Hybrid Pro Control for optimum control of the heat pump and an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.7

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.D
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWB-M-E-AC 201.D04 **230**	Z015219 **6.274,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D06 **230**	–	Z015220 **6.540,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D08 **230**	–	–	Z015221 **6.795,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D10 **230**	–	–	–	Z015222 **9.234,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D13 **230**	–	–	–	–	Z015223 **9.478,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D16 **230**	–	–	–	–	–	Z015224 **10.082,–** A++	Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	4.6	4.6	4.7	4.7	4.7	4.5	
Coefficient of performance (COP)	3.6	3.7	4.0	4.0	4.0	4.5	
Heating output range at A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Heating output range at A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cooling capacity	4.0	5.0	6.0	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.2	4.2	4.1	4.2	4.1	3.9	
Max. cooling capacity	5.0	6.0	7.0	9.5	11.5	13.6	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	44	44	44	45	45	45	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.
Cooling capacity and EER at operating point A35/W18 to EN 14511.

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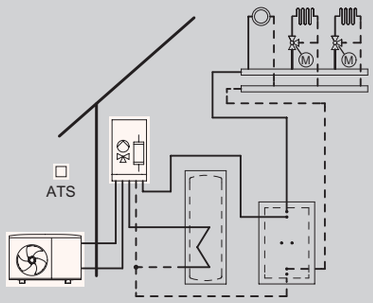
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-E-AC 201.D
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Hybrid Pro Control for optimum control of the heat pump and an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.7

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-E-AC 201.D
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	8.6 10.7	10.1 11.6	MG WS
AWB-E-AC 201.D10 **400**	Z015225 **9.616,–** A++	–	–	Part no. **Euro** Energy
AWB-E-AC 201.D13 **400**	–	Z015226 **9.863,–** A++	–	Part no. **Euro** Energy
AWB-E-AC 201.D16 **400**	–	–	Z015227 **10.106,–** A++	Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.0	5.0	5.0	
Coefficient of performance (COP)	4.1	4.0	3.9	
Heating output range at A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7	kW
Heating output range at A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2	kW
Flow temperature	60	60	60	°C
Sound power level	55	55	55	dB(A)
Cooling capacity	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.0	3.9	3.8	
Max. cooling capacity	9.5	11.5	13.2	kW
Indoor unit width	450	450	450	mm
Indoor unit height	880	880	880	mm
Indoor unit length	370	370	370	mm
Indoor unit weight	45	45	45	kg
Outdoor unit width	1109	1109	1109	mm
Outdoor unit height	1377	1377	1377	mm
Outdoor unit length	546	546	546	mm
Outdoor unit weight	148	148	148	kg
Dimensions of hot gas line	16	16	16	Ø mm
Dimensions of liquid line	10	10	10	Ø mm
Rated heating output A2/W35	5.9	6.3	7.0	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.
Cooling capacity and EER at operating point A35/W18 to EN 14511.

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

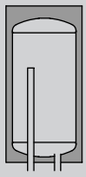
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



Z017685
716,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Accessories

MG WX

3-way diverter valve
For installation in the return in cascade applications.

ZK02928
204,–

Part no.
Euro

Diaphragm expansion vessel
For installation in the indoor unit.
- Capacity 10 litres

ZK02937
180,–

Part no.
Euro

Instantaneous heating water heater
For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater.
- 3-stage heating output 3, 6 and 9 kW

ZK02936
305,–

Part no.
Euro

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

6.7

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Accessories

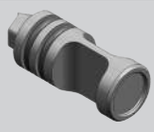
Heating circuit

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**

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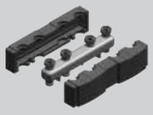
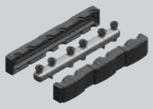
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

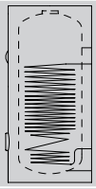
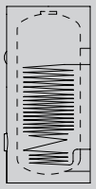
Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump		7441998 **460,–**			Part no. **Euro**

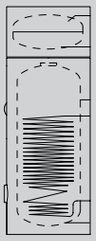
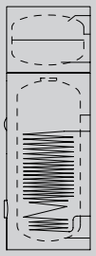
6.7

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee and thermal insulation		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

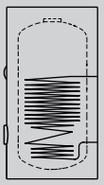
Immersion heater

Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

6.7

DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro** MG W

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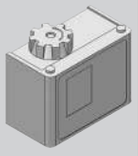
Cooling accessories
For type AWB-AC 201.D

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

		MG W
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.7

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			

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Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

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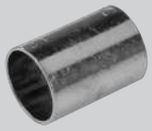
Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ For positioning on level ground ■ Made of aluminium profiles, height 304 mm, width 773 mm, length 732 mm	ZK02929 **181,–**	Part no. **Euro**
Design casing with support ■ For positioning on level ground ■ Made from aluminium profiles and design casing elements made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 295 mm, width 1105 mm, length 560 mm	ZK05186 **531,–**	Part no. **Euro**

Accessories

Brackets for outdoor unit

		MG WX
Design casing, floor connection ■ For floorstanding installation, to encase hydraulic lines routed below ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 555 mm, width 249 mm, length 281 mm *Can only be used in conjunction with "Design casing with support".*	ZK05187 **293,–**	Part no. **Euro**
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 660 mm, length 857 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit	ZK02930 **330,–**	Part no. **Euro**
Design casing, wall connection ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 302 mm, width 352 mm, length (variable) 200 to 300 mm	ZK05188 **207,–**	Part no. **Euro**

Installation sets

		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02942 **1.048,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK02943 **1.273,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK05269 **1.249,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02944 **899,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK05270 **1.474,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK02945 **1.124,–**	Part no. **Euro**

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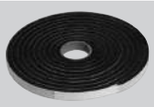
Accessories		
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02946 **875,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK02947 **1.018,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02948 **726,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK05271 **1.076,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK02949 **869,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK05272 **1.219,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long. 	7441146 **21,–**	Part no. **Euro**
Drain kit for condensate pan For draining the condensate from the outdoor unit via a hose. Only to be installed in areas guaranteed to be frost-free. ■ Condensate drain elbow ■ Sealing plug	ZK04096 **18,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only for free flowing condensate ■ Length of ribbon heater 1.2 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04097 **184,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 624 mm, width 794 mm, length 25 mm *For types AWB-(M)-E-AC 201.D09 to D16, two grille design casings need to be ordered.*	ZK05189 **207,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.* *Cannot be used in conjunction with Viessmann Energy Management.*	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system.	7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

6.7

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EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 222-S

Up to 60 °C flow temperature
Types AWBT-M-E 221.C and AWBT-E 221.C
Compact heat pump with:
- Split air source heat pump. For room heating and DHW heating in heating systems.
- DHW cylinder with 220 litre capacity
- High efficiency circulation pump for the heating circuit, 3-way diverter valve
- Integral instantaneous heating water heater

Types AWBT-M-E-AC 221.C and AWBT-E-AC 221.C
Equipment level as per type AWBT-M-E 221.C/AWBT-E 221.C plus active cooling function

Permissible operating pressure:
- **Heating water 3 bar (0.3 MPa)**
- **DHW 10 bar (1 MPa)**
- **Colour: Vitopearlwhite**

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35 and 4.1 at A2/W35
- Output control and DC inverter for high efficiency in partial load operation
- Maximum flow temperature up to 60 °C at -10 °C outside temperature
- Compact indoor unit with 220 l DHW cylinder, high efficiency circulation pump, condenser, 3-way diverter valve, instantaneous heating water heater, safety assembly and control unit
- Easy to operate Vitotronic control unit with plain text and graphic display
- Optimised utilisation of self-generated power from photovoltaic systems.
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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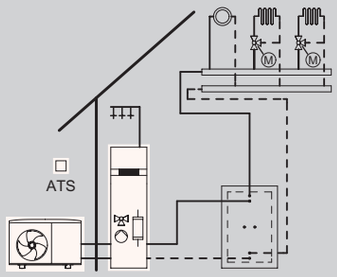
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E 221.C
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

6.8

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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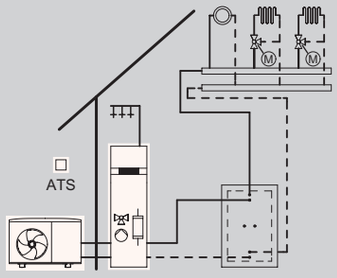
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWBT-M-E 221.C04 **230**	Z015355 **7.776,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWBT-M-E 221.C06 **230**	–	Z015356 **8.042,–** A++ A	–	–	–	–	Part no. **Euro**
AWBT-M-E 221.C08 **230**	–	–	Z015357 **8.297,–** A++ A	–	–	–	Part no. **Euro**
AWBT-M-E 221.C10 **230**	–	–	–	Z015358 **10.723,–** A++ A	–	–	Part no. **Euro**
AWBT-M-E 221.C13 **230**	–	–	–	–	Z015359 **10.967,–** A++ A	–	Part no. **Euro**
AWBT-M-E 221.C16 **230**	–	–	–	–	–	Z015360 **11.571,–** A++ A	Part no. **Euro**

Specification							
Coefficient of performance (COP) A2	3.6	3.7	4.0	4.0	4.0	3.6	
Coefficient of performance (COP) A7	4.6	4.6	4.7	4.7	4.7	4.5	
Heating output range A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Heating output range A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	169	169	169	170	170	170	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-E 221.C
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.8

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	8.9 10.7	10.1 11.6	MG WS
AWBT-E 221.C10 400	Z015361 **11.105,–** A++ A	–	–	Part no. **Euro**
AWBT-E 221.C13 400	–	Z015362 **11.352,–** A++ A	–	Part no. **Euro**
AWBT-E 221.C16 400	–	–	Z015363 **11.595,–** A++ A	Part no. **Euro**

Specification				
Coefficient of performance (COP) A2	4.1	4.0	3.9	
Coefficient of performance (COP) A7	5.0	5.0	5.0	
Heating output range A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2	kW
Heating output range A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7	kW
Flow temperature	60	60	60	°C
Sound power level	55	55	55	dB(A)
Cylinder capacity	220	220	220	l
Indoor unit width	600	600	600	mm
Indoor unit height	1874	1874	1874	mm
Indoor unit length	681	681	681	mm
Indoor unit weight	170	170	170	kg
Outdoor unit width	1109	1109	1109	mm
Outdoor unit height	1377	1377	1377	mm
Outdoor unit length	546	546	546	mm
Outdoor unit weight	148	148	148	kg
Dimensions of hot gas line	16	16	16	Ø mm
Dimensions of liquid line	10	10	10	Ø mm
Rated heating output A2/W35	5.9	6.3	7.0	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode

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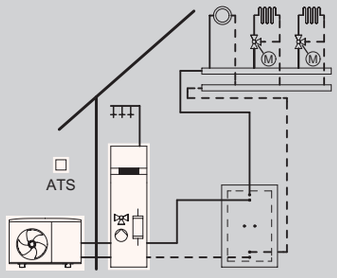
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.C
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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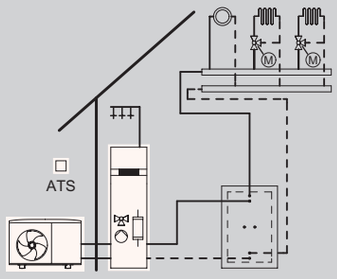
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWBT-M-E-AC 221.C04 230	Z015346 **7.916,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C06 230	–	Z015347 **8.182,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C08 230	–	–	Z015348 **8.437,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C10 230	–	–	–	Z015349 **10.877,–** A++ A+	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C13 230	–	–	–	–	Z015350 **11.121,–** A++ A+	–	Part no. **Euro**
AWBT-M-E-AC 221.C16 230	–	–	–	–	–	Z015351 **11.725,–** A++ A+	Part no. **Euro**

Specification							
Coefficient of performance (COP) A2	3.6	3.7	4.0	4.0	4.0	3.6	
Coefficient of performance (COP) A7	4.6	4.6	4.7	4.7	4.7	4.5	
Heating output range A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Heating output range A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Cooling capacity	4.0	5.0	6.0	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.2	4.2	4.1	4.2	4.1	3.9	
Max. cooling capacity	5.0	6.0	7.0	9.5	11.5	13.6	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	169	169	169	170	170	170	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound p wer level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode. Cooling capacity and EER at operating point A35/W18 to EN 14511.

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-E-AC 221.C
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.8

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	 8.6 10.7	 10.1 11.6	MG WS
AWBT-E-AC 221.C10 **400**	Z015352 **11.259,–** A++ A+	–	–	Part no. **Euro**
AWBT-E-AC 221.C13 **400**	–	Z015353 **11.506,–** A++ A+	–	Part no. **Euro**
AWBT-E-AC 221.C16 **400**	–	–	Z015354 **11.749,–** A++ A+	Part no. **Euro**

Specification				
Coefficient of performance (COP) A2	4.1	4.0	3.9	
Coefficient of performance (COP) A7	5.0	5.0	5.0	
Heating output range A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2	kW
Heating output range A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7	kW
Flow temperature	60	60	60	°C
Sound power level	55	55	55	dB(A)
Cylinder capacity	220	220	220	l
Cooling capacity	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.0	3.9	3.8	
Max. cooling capacity	9.5	11.5	13.2	kW
Indoor unit width	600	600	600	mm
Indoor unit height	1874	1874	1874	mm
Indoor unit length	681	681	681	mm
Indoor unit weight	170	170	170	kg
Outdoor unit width	1109	1109	1109	mm
Outdoor unit height	1377	1377	1377	mm
Outdoor unit length	546	546	546	mm
Outdoor unit weight	148	148	148	kg
Dimensions of hot gas line	16	16	16	Ø mm
Dimensions of liquid line	10	10	10	Ø mm
Rated heating output A2/W35	5.9	6.3	7.0	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode
Cooling capacity and EER at operating point A35/W18 to EN 14511.

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Energy Management

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

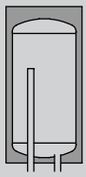
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WX

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



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B

Part no.
Euro
Energy

Vitocell 100-E

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output
- With rigid PUR foam thermal insulation
- 50 litre capacity
- Colour: Vitopearlwhite

When using with more than one heating/cooling circuit

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583,–
A

Part no.
Euro
Energy
MG WH

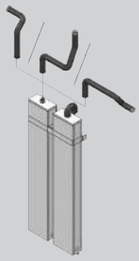
Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output
- With rigid PUR foam thermal insulation
- 75 litre capacity
- Colour: Vitopearlwhite

When using with more than one heating/cooling circuit

Z026458
742,–
B

Part no.
Euro
Energy
MG WH

Vitocell 100-E, type SVPA
For storing heating water in conjunction with compact heat pumps. For ensuring the minimum system volume (defrost energy)
- For installation at the back of the compact appliance
- Thermally insulated
- 40 litre capacity
- Colour: black
- Overflow valve



ZK03801
763,–
B

Part no.
Euro
Energy
MG WX

► *For heating water buffer cylinders, see Register 8.*

Filters and magnetite separators

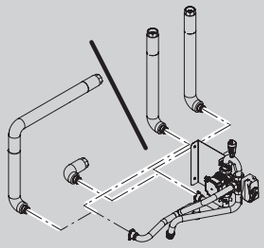
MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

6.8

Accessories		
Accessories		MG WX
Hydraulic connection set for heating circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G ¾ ■ Thermally insulated DHW circulation pipe G ¾	ZK02960 **312,–**	Part no. **Euro**
Hydraulic connection set for heating circuit, surface mounting, connection to left or right ■ Thermally insulated heating water flow and heating water return line G 1¼ with 90° bend ■ Thermally insulated cold water and DHW line G ¾ with 90° bend ■ Thermally insulated DHW circulation pipe G ¾ with 90° bend	ZK02959 **324,–**	Part no. **Euro**
Installation kit with mixer Hydraulic components for direct connection of a heating circuit with mixer to the indoor unit For systems without heating water buffer cylinder in the secondary circuit flow ■ Heating circuit pump and heating circuit mixer for installation in the indoor unit ■ Thermally insulated heating water flow and heating water return line G 1¼, for integration into the hydraulic connection set ■ Flow temperature sensor ■ Cable harness *To ensure the minimum system volume, a heating water buffer cylinder in the secondary circuit return may be required.* 	ZK02958 **1.402,–**	Part no. **Euro**
Diaphragm expansion vessel For installation in the indoor unit ■ Capacity 10 litres	ZK02937 **180,–**	Part no. **Euro**
Instantaneous heating water heater For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater ■ 3-stage heating output 3, 6 and 9 kW	ZK02936 **305,–**	Part no. **Euro**
Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter For installation in the heating water return, to protect the condenser against contamination	ZK03206 **90,–**	Part no. **Euro**

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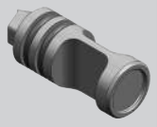
Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit 	7464889 **21,–**			Part no. **Euro**

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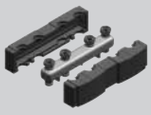
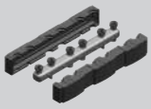
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump		7441998 **460,–**			Part no. **Euro**

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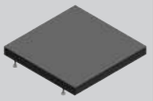
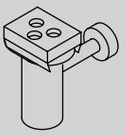
DHW heating accessories		
Accessories		MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**
Miscellaneous		MG WX
Platform for unfinished floors For siting the appliance on unfinished floors ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation 	7417925 **474,–**	Part no. **Euro**
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** MG W

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Solar accessories

Accessories

MG WO

Solar collectors
Max. connectible collector area
- 4.6 m² Vitosol 100-FM/200-FM
- 3 m² Vitosol 200-TM/300-TM

► **See Pricelist, Register 9.**

Solar heat exchanger set (Divicon)
For connecting solar thermal systems to compact appliances
- Circulation pump
- Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon
- Thermal insulation

ZK05953
1.128,–

Part no.
Euro
MG WX

Solar-Divicon, type PS 10
Two-line pump station for the collector circuit
Delivery head: 6.0 m at a pump rate of 1000 l/h
- Variable speed high efficiency circulation pump
- **Integral SDIO/SM1A electronics module**
- Fill valves
- Air separator
- 2 thermometers
- 2 ball valves with check valve
- Circulation pump
- Flow indicator
- Pressure gauge
- Safety valve (6 bar)
- Thermal insulation
- Locking ring fitting/double O-ring 22 mm

Z021901
1.239,–

Part no.
Euro

High limit temperature cut-out device for solar thermal system
For installation in the loading cylinder integrated into the heat pump.
- Max. switching point 95 °C

7506168
90,–

Part no.
Euro
MG WX

Heat transfer medium

MG WO

"Tyfocor LS" heat transfer medium
25 litres in a disposable container
Ready mixed, down to -28 °C.
Tyfocor LS can be mixed with Tyfocor G-LS.

7159727
206,–

Part no.
Euro

Filling station
- Self-priming impeller pump, 30 litres/min
- Dirt filter (intake side)
- Hose, 0.5 m long (intake side)
- Connection hose, 2.5 m long (2 pce)
- Packing crate (can be used as a flushing tank)

7188625
761,–

Part no.
Euro
MG N

6.8

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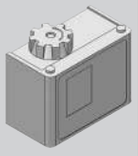
Cooling accessories

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

		MG W
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder *For the bypass circuit of the heating water buffer cylinder in cooling mode* *2 pce required*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder *For the bypass circuit of the heating water buffer cylinder in cooling mode* *2 pce required*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.8

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive To cover uninsulated components and joints		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			

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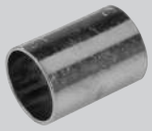
Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce Spare seal rings for Euro flanged adaptors	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce Spare seal rings for Euro flanged adaptors	7249290 **8,70**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce Spare seal rings for Euro flanged adaptors	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce Spare seal rings for Euro flanged adaptors	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Design casing with support ■ For positioning on level ground ■ Made from aluminium profiles and design casing elements made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 295 mm, width 1105 mm, length 560 mm	ZK05186 **531,–**	Part no. **Euro**
Design casing, floor connection ■ For floorstanding installation, to encase hydraulic lines routed below ground level. ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 555 mm, width 249 mm, length 281 mm *Can only be used in conjunction with "Design casing with support".*	ZK05187 **293,–**	Part no. **Euro**

Accessories		
Brackets for outdoor unit		MG WX
Design casing, wall connection ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 302 mm, width 352 mm, length (variable) 200 to 300 mm	ZK05188 **207,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit ■ For positioning on level ground ■ Made of aluminium profiles, height 304 mm, width 773 mm, length 732 mm	ZK02929 **181,–**	Part no. **Euro**
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 660 mm, length 857 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit	ZK02930 **330,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02942 **1.048,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02943 **1.273,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK05269 **1.249,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02944 **899,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK05270 **1.474,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02945 **1.124,–**	Part no. **Euro**

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Accessories		
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02946 **875,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02947 **1.018,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02948 **726,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK05271 **1.076,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02949 **869,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK05272 **1.219,–**	Part no. **Euro**
Miscellaneous		MG WX
Drain kit for condensate pan For draining the condensate from the outdoor unit via a hose. Only to be installed in areas guaranteed to be frost-free. ■ Condensate drain elbow ■ Sealing plug	ZK04096 **18,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only for free flowing condensate ■ Length of ribbon heater 1.2 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04097 **184,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit	ZK02933 **5,–**	Part no. **Euro**
Sealant To seal the wall outlets of refrigerant lines	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long	7441146 **21,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 624 mm, width 794 mm, length 25 mm *For types AWBT-(M)-E-AC 221.C09 to C16, two grille design casings need to be ordered.*	ZK05189 **207,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system *Cannot be used in conjunction with Viessmann Energy Management*	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system *Cannot be used in conjunction with Viessmann Energy Management*	7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11.2, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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Control unit versions

Please note:
Control unit accessories for heat pumps with Viessmann One Base:
See price sheets for the respective heat pumps.

	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	MG W
Remote control units			
Hardwired remote control units cannot be combined with the wireless base station.			
Vitotrol 200-A (KM-BUS subscriber) For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) If the Vitotrol 200-A is to be used for room temperature hook-up, site the device in a **main living room** (lead room). *Max. 3 Vitotrol per Vitotronic.*	Z008341 **171,–**		Part no. **Euro**
Wireless remote control units			MG W
The wireless components cannot be combined with hardwired remote control units.			
Vitotrol 200-RF (wireless subscriber) Remote control unit with integral wireless transmitter for operation with the wireless base station (accessories). For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) *Max. 3 wireless remote control units per Vitotronic.*	Z011219 **187,–**		Part no. **Euro**
Wireless accessories			MG W
Wireless base station (KM-BUS subscriber) For communication between the Vitotronic control unit and the following components: ■ Vitotrol 200-RF wireless remote control unit *For up to 3 wireless remote control units. Not in conjunction with a hardwired remote control unit.*	Z011413 **169,–**		Part no. **Euro**
EnOcean wireless repeater Mains operated wireless repeater to increase the wireless range of EnOcean wireless signals and for operation in areas where wireless communication is difficult. ■ Redirection of wireless signals if disrupted by steel reinforced concrete ceilings/floors and/or multiple walls ■ For circumventing large metallic objects situated between the wireless components. *Max. 1 wireless repeater per Vitotronic.*	7456538 **352,–**		Part no. **Euro**

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Accessories		Control unit versions			
		Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C		
Sensors					MG W
Contact temperature sensor (Ni500) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature in a heating circuit with mixer.		7183288 **106,–**	-		Part no. **Euro**
Cylinder temperature sensor (Pt500) With connecting lead (3.8 m long), without plug. As immersion temperature sensor for DHW cylinder or heating water buffer cylinder.		7170965 **93,–**	-		Part no. **Euro**
Contact temperature sensor (Pt500) With connecting lead (2 m long), without plug. To capture the flow temperature in heating systems with heating water buffer cylinder and/or external heat generator.		7426133 **75,–**	-		Part no. **Euro** MG **WX**
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug As a system flow temperature sensor in heating systems with external heat generator.		-	7426463 **110,–**		Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.		-	7438702 **110,–**		Part no. **Euro**
Other					MG W
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz		7814681 **199,–**			Part no. **Euro**
KM-BUS distributor For connecting 2 to 9 appliances to the KM-BUS		7415028 **75,–**			Part no. **Euro**
Plug for connecting external room thermostats (230 V) ■ Plug-in connector for connecting temperature controllers for switching off heating/cooling circuits externally ■ To be plugged into the PCB of the heat pump control unit.		ZK05337 **6,–**			Part no. **Euro** MG **WX**

Accessories	Control unit versions		
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Temperature controller for swimming pool temperature control			MG W
Temperature controller For controlling the swimming pool temperature ■ With stainless steel sensor well, 200 mm long ■ Setting range: 0 to 35 °C *EA1 extension is required for the swimming pool heating function.*	7009432 **388,–**		Part no. **Euro**
Heating circuit control unit extension			MG W
Mixer motor ■ For Viessmann heating mixers DN 20 to 50 (welding fitting) and R ½ to R 1¼ (not for flanged mixers) ■ For wiring on site For the 1st heating circuit with mixer (M2) on heat pumps that support two heating circuits with mixer and for integrating an external heat generator; direct switching by the Vitotronic 200.	7450657 **297,–**		Part no. **Euro**
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump For the 1st heating circuit with mixer (M2) on heat pumps that support two heating circuits with mixer and for integrating an external heat generator; direct switching by the Vitotronic 200.	-	7441998 **460,–**	Part no. **Euro**
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer.	ZK02940 **652,–**		Part no. **Euro**

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Accessories	Control unit versions		
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Heating circuit control unit extension			MG W
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for **separately** ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer.	ZK02941 **428,–**		Part no. **Euro**
High limit temperature cut-out device Temperature cut-out for use with an external heat generator. ■ With connecting lead (4.2 m long) and plug ■ Temperature limit 65 °C	7197797 **250,–**		Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm	7151728 **214,–**		Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug	7151729 **164,–**		Part no. **Euro**

Please note:
Provision must be made for a heating water buffer cylinder in the case of heating circuits with mixer.
► *For heating water buffer cylinders, see Register 10.*

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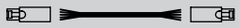
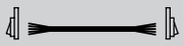
Accessories	Control unit versions			
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C		
Solar DHW heating and central heating backup				MG WO
Solar control module, type SM1 Function extension inside enclosure for wall mounting. Electronic temperature differential control for dual mode DHW heating and central heating backup using solar collectors. ■ With output statement and diagnostic system ■ Operation and display via the Vitotronic control unit ■ Heating of two consumers via a collector array ■ Second temperature differential control ■ Thermostat function for reheating or utilising excess heat ■ Speed control of solar circuit pump with PWM input (Grundfos and Wilo) ■ Suppression of DHW cylinder reheating by the heat generator, subject to solar yield ■ Heat-up of the solar preheating stage (with DHW cylinders from 400 litre capacity) Order the immersion temperature sensor, part no. 7438702, if the following functions are required: ■ For DHW circulation changeover in systems with 2 DHW cylinders ■ For return changeover between the heat generator and the heating water buffer cylinder ■ For heating additional consumers	-	Z014470 **622,–**		Part no. **Euro**
Function extensions				MG W
External H1 extension Function extension in enclosure. For wall mounting. The following functions can be achieved with the extension: ■ Demand for a minimum heating water temperature. ■ External changeover of the operating status. ■ External demand and blocking. ■ Specification of a set flow temperature for the secondary circuit via a 0-10 V input.	7179058 **194,–**	-		Part no. **Euro**
AM1 extension Function extension inside enclosure for wall mounting. The following functions can be achieved: ■ Cooling via cooling water buffer cylinder or central fault message ■ Heat transfer to the cooling water buffer cylinder	-	7452092 **117,–**		Part no. **Euro**
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set flow temperature for secondary circuit **3 digital inputs** ■ External changeover of the operating status ■ External demand and blocking ■ External demand for a minimum heating water temperature **1 switching output** ■ Switching of swimming pool heating	-	7452091 **227,–**		Part no. **Euro**

Heat pumps

Control unit accessories

Accessories		Control unit versions		
		Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Communication technology				MG W
LON communication module PCB for installation in the control unit for data exchange via Viessmann LON system bus. For communication with: ■ Vitotronic 200-H heating circuit control unit ■ Vitocom 100 and 300 communication interface For one heat pump; in the case of heat pump cascades for installation in the **lag heat pumps**.		7172173 **250,–**		Part no. **Euro**
LON communication module for cascade control PCB for installation in the control unit for data exchange via Viessmann LON system bus. For communication with: ■ Vitotronic 200-H heating circuit control unit ■ Vitocom 100 and 300 communication interface In the case of heat pump cascades for installation in the **lead heat pump**.		7172174 **282,–**		Part no. **Euro**
LON cable for control unit data exchange ■ 7.0 m long (can be extended once) ■ With RJ45 plugs		7143495 **40,–**		Part no. **Euro**
LON coupling, RJ45 To extend the LON cable		7143496 **25,–**		Part no. **Euro**
LON plug-in connectors, RJ45 (2 pce) To create a connecting cable using an on-site cable for **installation spacing in excess of 14 m**		7199251 **73,–**		Part no. **Euro**
LON socket, RJ45 (2 pce) To create an on-site cable (CAT 6), concealed or run in cable trunking, for **installation spacing in excess of 14 m** (connection from the LON socket to the control unit using the LON cable)		7171784 **67,–**		Part no. **Euro**
Terminators (2 pce) To terminate the system bus, use a terminator on each unconnected end.		7143497 **10,50**		Part no. **Euro**

Please note:
The KM-BUS distributor must also be ordered if KM-BUS subscribers are already connected to the heat pump control unit (see Accessories).

►For information on ViGuide for commissioning, diagnostics and service, see Register 11 and www.viguide.info.

VITOCAL 200-S

Air source heat pumps
Split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

6.10

Vitocal 200-S

Up to 60 °C flow temperature
Type AWB-M-E-AC 201.E and AWB-M-E-AC-AF 201.E
Heat pump with electric drive in split design with outdoor and indoor unit

- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way diverter valve and bypass
- Integral instantaneous heating water heater
- Integral 16 l buffer cylinder and 10 l expansion vessel

Versions:

- 2C: with integral 2nd heating circuit
- AF: with integral electric ribbon heater for the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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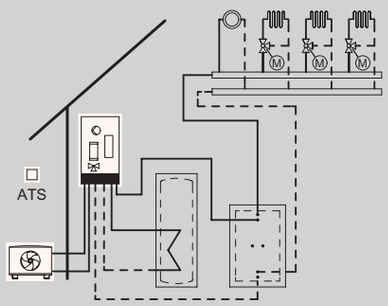
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E/AWB-M-E-AC-AF 201.E
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating circuits with mixer and optimisation of self-consumption (see Accessories).

6.10

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 10 l capacity
- Integral 16 l buffer cylinder
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E/AWB-M-E-AC-AF 201.E
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	6.8 6.7	8.3 7.8		MG WS
AWB-M-E-AC 201.E06 **230**	Z022662 **8.181,–** A++	–	–		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E06 **230**	Z022663 **8.256,–** A++	–	–		Part no. **Euro** Energy
AWB-M-E-AC 201.E08 **230**	–	Z022664 **8.568,–** A++	–		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E08 **230**	–	Z022665 **8.646,–** A++	–		Part no. **Euro** Energy
AWB-M-E-AC 201.E10 **230**	–	–	Z022666 **9.000,–** A++		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E10 **230**	–	–	Z022667 **9.087,–** A++		Part no. **Euro** Energy
Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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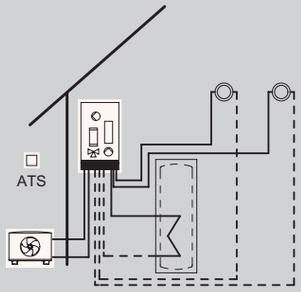
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E 2C/AWB-M-E-AC-AF 201.E 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Additional accessories are required for optimisation of self-consumption (see Accessories).
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	

ViCare ViGuide

6.10

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework
- Integral 2nd heating/cooling circuit

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E 2C/AWB-M-E-AC-AF 201.E 2C
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8	MG WS
AWB-M-E-AC 201.E06 2C 230	Z022686 **9.750,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E06 2C 230	Z022687 **9.825,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.E08 2C 230	–	Z022688 **9.987,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E08 2C 230	–	Z022689 **10.065,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC 201.E10 2C 230	–	–	Z022690 **10.419,–** A++	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E10 2C 230	–	–	Z022691 **10.506,–** A++	Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.0	5.0	4.9	
Coefficient of performance (COP) at A2	4,0	4,1	4,0	
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4	kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1	kW
Flow temperature	60	60	60	°C
Cooling capacity	5.4	6.7	8.8	kW
Energy efficiency ratio (EER)	5.9	5.1	4.9	
Max. cooling capacity	8.5	9.5	10.6	kW
Sound power level	50	50	50	dB(A)
Energy efficiency ηs at W35	185	193	192	%
Energy efficiency ηs at W55	125	130	128	%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4	

►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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VITOCAL 200-S

Specification

Specification	AWB-M -E-AC 201.E06	AWB-M -E-AC-AF 201.E06	AWB-M -E-AC 201.E08	AWB-M -E-AC-AF 201.E08	AWB-M -E-AC 201.E10	AWB-M -E-AC-AF 201.E10		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5.3	5.3		kW
Indoor unit width	450	450	450	450	450	450		mm
Indoor unit height	920	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360	360		mm
Indoor unit weight	65	65	65	65	65	65		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Specification	AWB-M -E-AC 201.E06 2C	AWB-M -E-AC-AF 201.E06 2C	AWB-M -E-AC 201.E08 2C	AWB-M -E-AC-AF 201.E08 2C	AWB-M -E-AC 201.E10 2C	AWB-M -E-AC-AF 201.E10 2C		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		
Rated heating output A2/W35	4.3	4.3	4.7	4.7	5.3	5.3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	920	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360	360		mm
Indoor unit weight	75	75	75	75	75	75		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

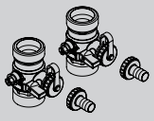
Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For split indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *Suitable for heating mode only* *We recommend using the ball valve set for cooling mode.* 	ZK06303 **270,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting ZK06303*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For split indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *Suitable for heating mode only* *We recommend using the ball valve set for cooling mode.* 	ZK06304 **357,–**	Part no. **Euro** MG 0
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 8x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting ZK06304*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must be added to the order if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**
Valve/fittings cover 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**

Heating circuit		
		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter For installation in the heating water return, to protect the condenser against contamination	ZK03206 **90,–**	Part no. **Euro**

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Accessories

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

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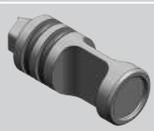
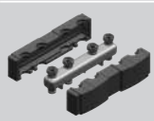
Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro**

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

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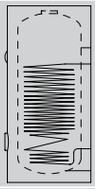
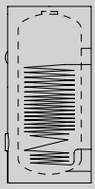
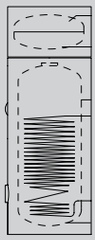
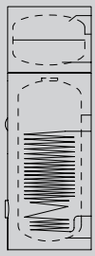
DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator)* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee and thermal insulation		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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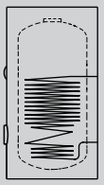
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel, with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories

Cooling

MG WX

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

Recommended for applications with only 1 direct heating/cooling circuit without buffer cylinder

7181418
570,–

Part no.
Euro

Contact humidistat 230 V
- For capturing the dew point
- To prevent condensation

Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder

7452646
523,–

Part no.
Euro

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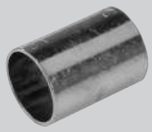
Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive To cover uninsulated components and joints		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249279 **136,–**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce Spare seal rings for Euro flanged adaptors	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce Spare seal rings for Euro flanged adaptors	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce Spare seal rings for Euro flanged adaptors	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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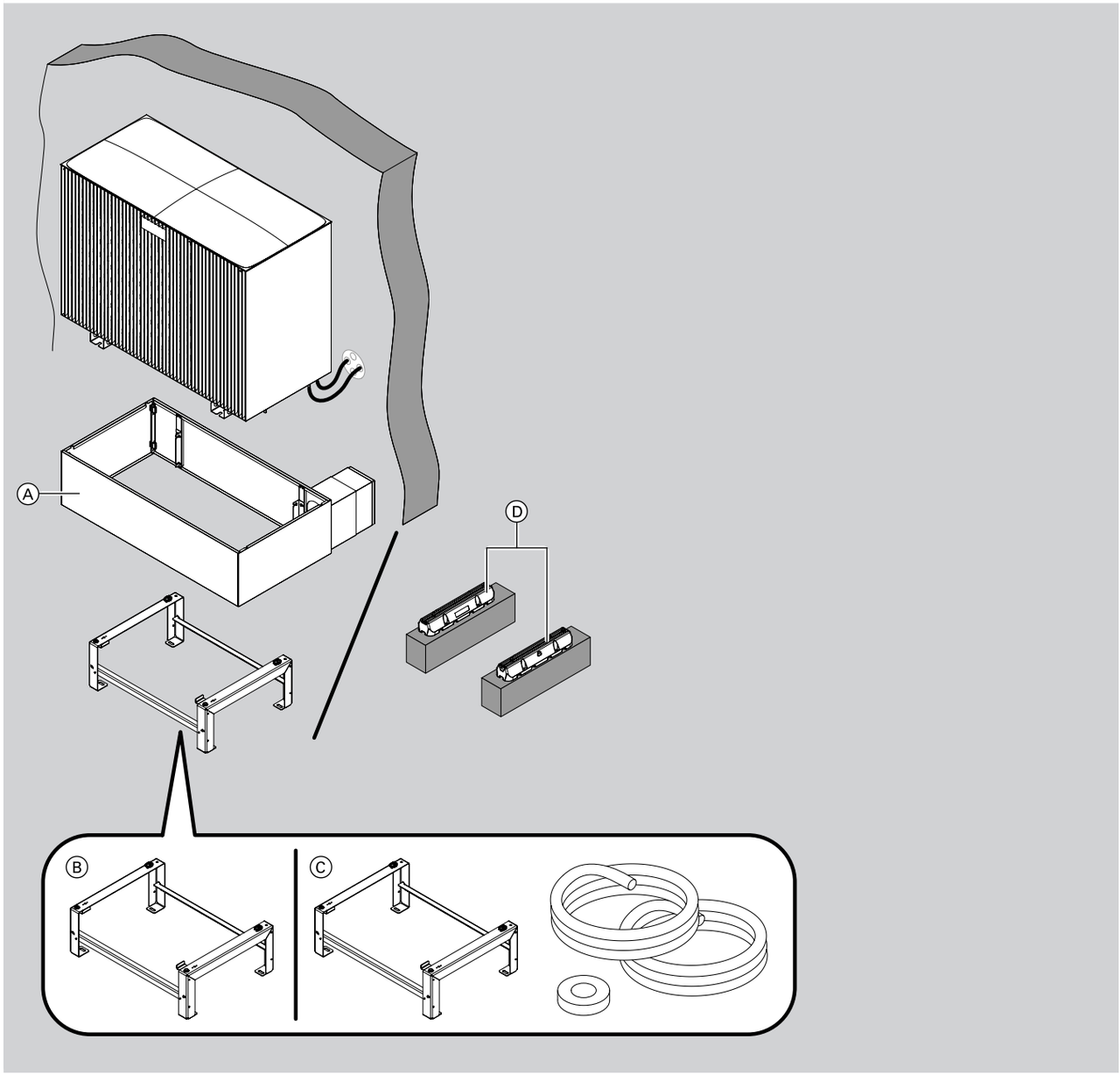
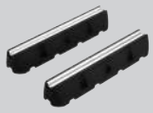
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

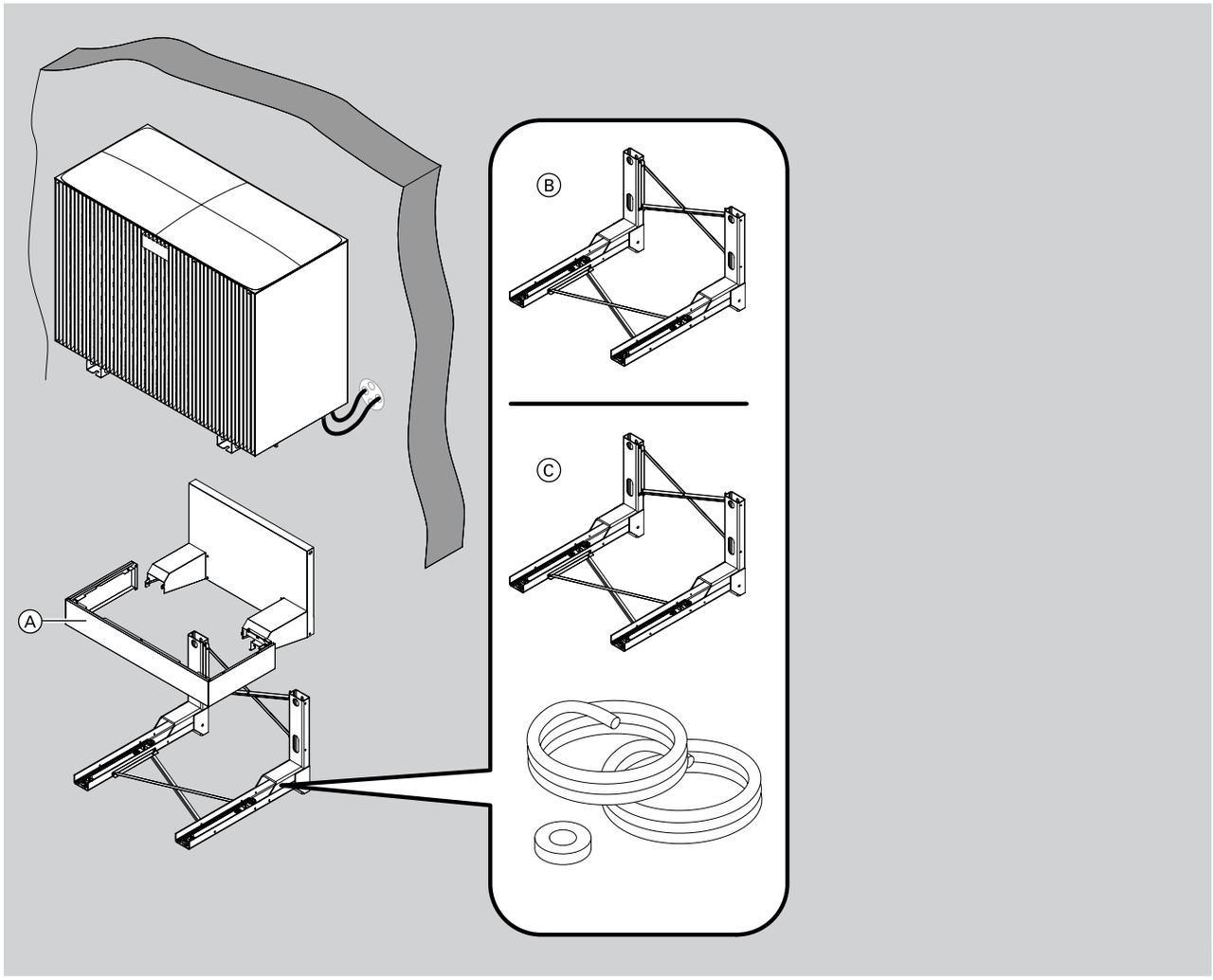


Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

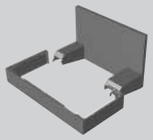
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet

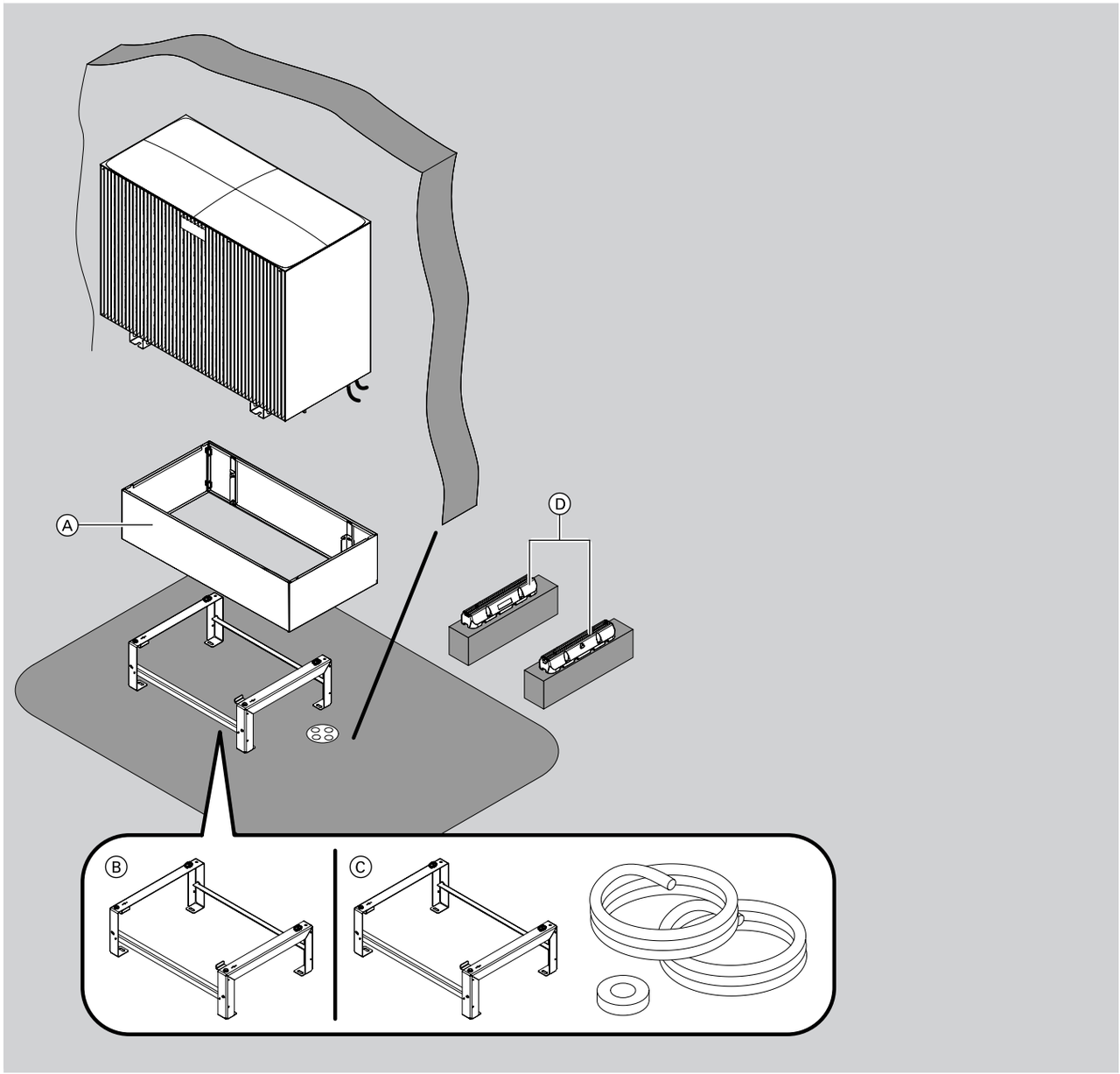
Brackets for outdoor unit

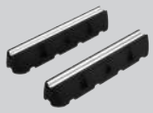
		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Installation sets

		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06315 **1.261,–**	Part no. **Euro**

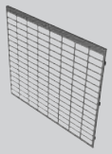
Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long	7441146 **21,–**	Part no. **Euro**

Accessories

Miscellaneous

		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**

Cleaning agents

		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Photovoltaics

		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system ■ For processing data at the grid connection point for Viessmann One Base heat pumps ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system ■ For processing data at the grid connection point for Viessmann One Base heat pumps ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

6.10

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.10

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair) ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

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Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*		ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

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Accessories		
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).
►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 222-S

Air source heat pumps
Compact appliances, split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

6.11

Vitocal 222-S

Up to 60 °C flow temperature.
Type AWBT-M-E-AC 221.E (2C) and AWB-M-E-AC-AF 221.E (2C)
Heat pump with electric drive in split design with outdoor and indoor unit.

- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way diverter valve, bypass and defrost buffer
- Integral 190 l DHW cylinder
- Integral instantaneous heating water heater
- Integral 16 l buffer cylinder and 18 l expansion vessel

Versions:

- 2C: with integral 2nd heating circuit
- AF: with integral electric ribbon heater for the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa).
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Indoor unit can be split for easy handling
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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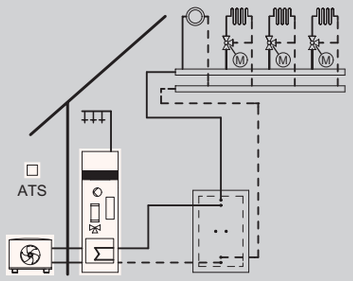
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.E/AWBT-M-E-AC-AF 221.E
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating circuits with mixer and optimisation of self-consumption: see Accessories.

6.11

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

Please note:
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	6.8 6.7	8.3 7.8		MG WS
	AWBT-M-E-AC 221.E06 **230**	Z022720 **10.016,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E06 **230**	Z022721 **10.091,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC 221.E08 **230**	–	Z022722 **10.280,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E08 **230**	–	Z022723 **10.358,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC 221.E10 **230**	–	–	Z022724 **10.712,–** A++ A		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E10 **230**	–	–	Z022725 **10.799,–** A++ A		Part no. **Euro**

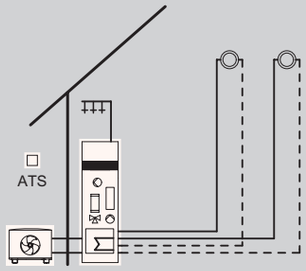
Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Cylinder capacity	190	190	190		l
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessorie

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.E 2C/AWBT-M-E-AC-AF 221.E 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode**
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer ■ or ■ 2 heating/cooling circuits without mixer ■ DHW heating	■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Additional accessories are required for optimisation of self-consumption: see Accessories.

SG Ready

6.11

Please note:
The heat pumps must be commissioned by a specialist heat pump contractor trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Integral 2nd heating/cooling circuit

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

Please note:
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	6.8 6.7	8.3 7.8		MG WS
	AWBT-M-E-AC 221.E06 2C 230	Z022736 **11.456,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E06 2C 230	Z022737 **11.531,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC 221.E08 2C 230	–	Z022738 **11.719,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E08 2C 230	–	Z022739 **11.797,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC 221.E10 2C 230	–	–	Z022740 **12.151,–** A++ A		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E10 2C 230	–	–	Z022741 **12.238,–** A++ A		Part no. **Euro**

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Cylinder capacity	190	190	190		l
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 222-S

Specification

Specification	AWBT-M -E-AC 221.E06	AWBT-M -E-AC-AF 221.E06	AWBT-M -E-AC 221.E08	AWBT-M -E-AC-AF 221.E08	AWBT-M -E-AC 221.E10	AWBT-M -E-AC-AF 221.E10		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		kW
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5,3	5,3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597	597		mm
Indoor unit weight	187	187	188	188	188	188		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

Specification	AWBT-M-E-AC 221.E06 2C	AWBT-M-E-AC-AF 221.E06 2C	AWBT-M-E-AC 221.E08 2C	AWBT-M-E-AC-AF 221.E08 2C	AWBT-M-E-AC 221.E10 2C	AWBT-M-E-AC-AF 221.E10 2C		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		kW
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5,3	5,3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597	597		mm
Indoor unit weight	189	189	189	189	190	190		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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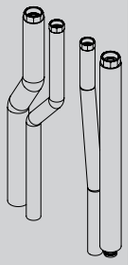
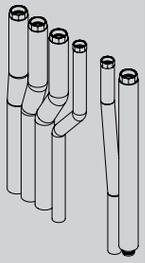
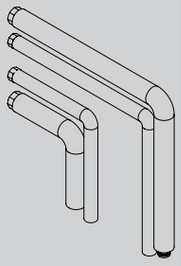
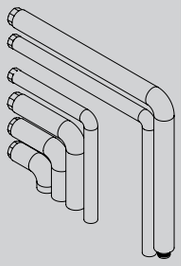
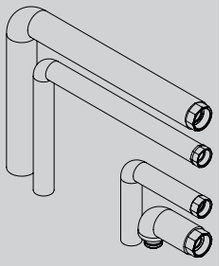
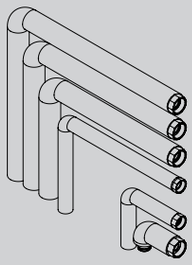
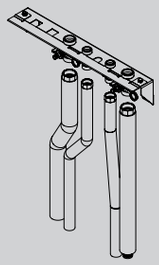
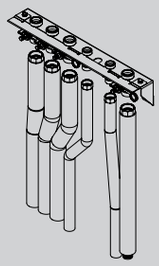
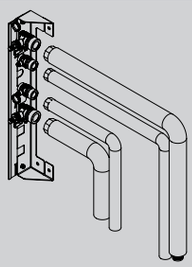
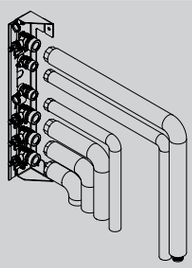
Accessories		
Accessories		MG WX
Notes: ■ A hydraulic connection set must be added to the order to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06401 **160,–**	Part no. **Euro**
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06404 **249,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06402 **160,–**	Part no. **Euro**
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06405 **249,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06403 **160,–**	Part no. **Euro**

Accessories		
Accessories		MG WX
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06406 **249,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06407 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06410 **430,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06408 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06411 **430,–**	Part no. **Euro**

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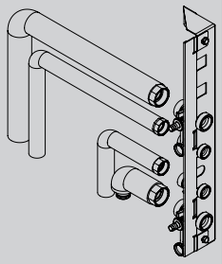
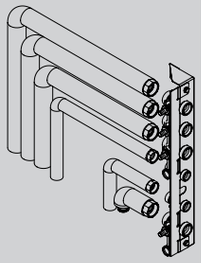
Accessories

Accessories

		MG WX
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06409 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06412 **430,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jigs for compact appliances, 1 or 2 heating/cooling circuit(s)*	7973232 **101,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation	ZK06228 **91,–**	Part no. **Euro**
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**

Heating circuit

		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**

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Accessories		
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

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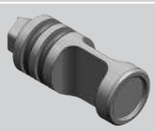
Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs [40] and [74]) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories

Accessories

MG W

Impressed current anode
- Maintenance-free
- In place of the protective magnesium anode supplied

Z004247
525,–
Part no.
Euro

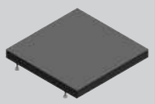
Safety assembly to DIN 1988 (DN 20, R ¾)
- Diaphragm safety valve 10 bar (1 MPa)
- Shut-off valve
- Non-return valve and test connector
- Pressure gauge connector

7180662
251,–
Part no.
Euro

Miscellaneous

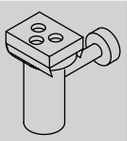
MG WX

Platform for unfinished floors
For siting the appliance on unfinished floors.
- Height-adjustable, for screed heights of 10 to 18 cm
- Incl. thermal insulation



7417925
474,–
Part no.
Euro

Drain outlet kit
Drain outlet with trap and bezel DN 40.



7176014
35,–
Part no.
Euro
MG W

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Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with only 1 direct heating/cooling circuit without buffer cylinder*	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder*	7452646 **523,–**	Part no. **Euro**

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Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**

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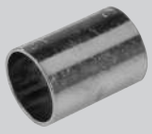
Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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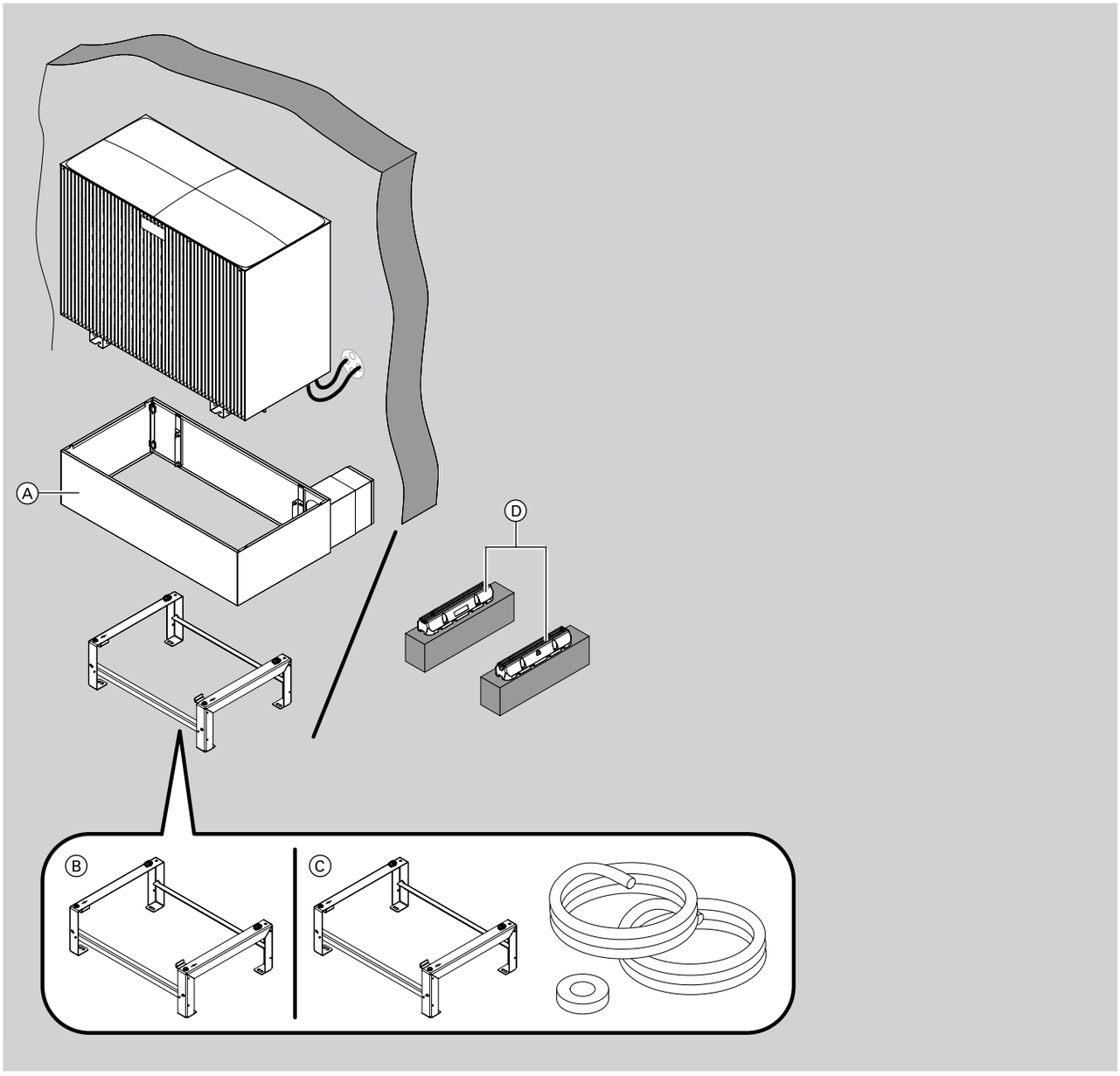
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level



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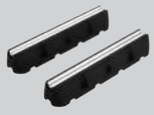
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

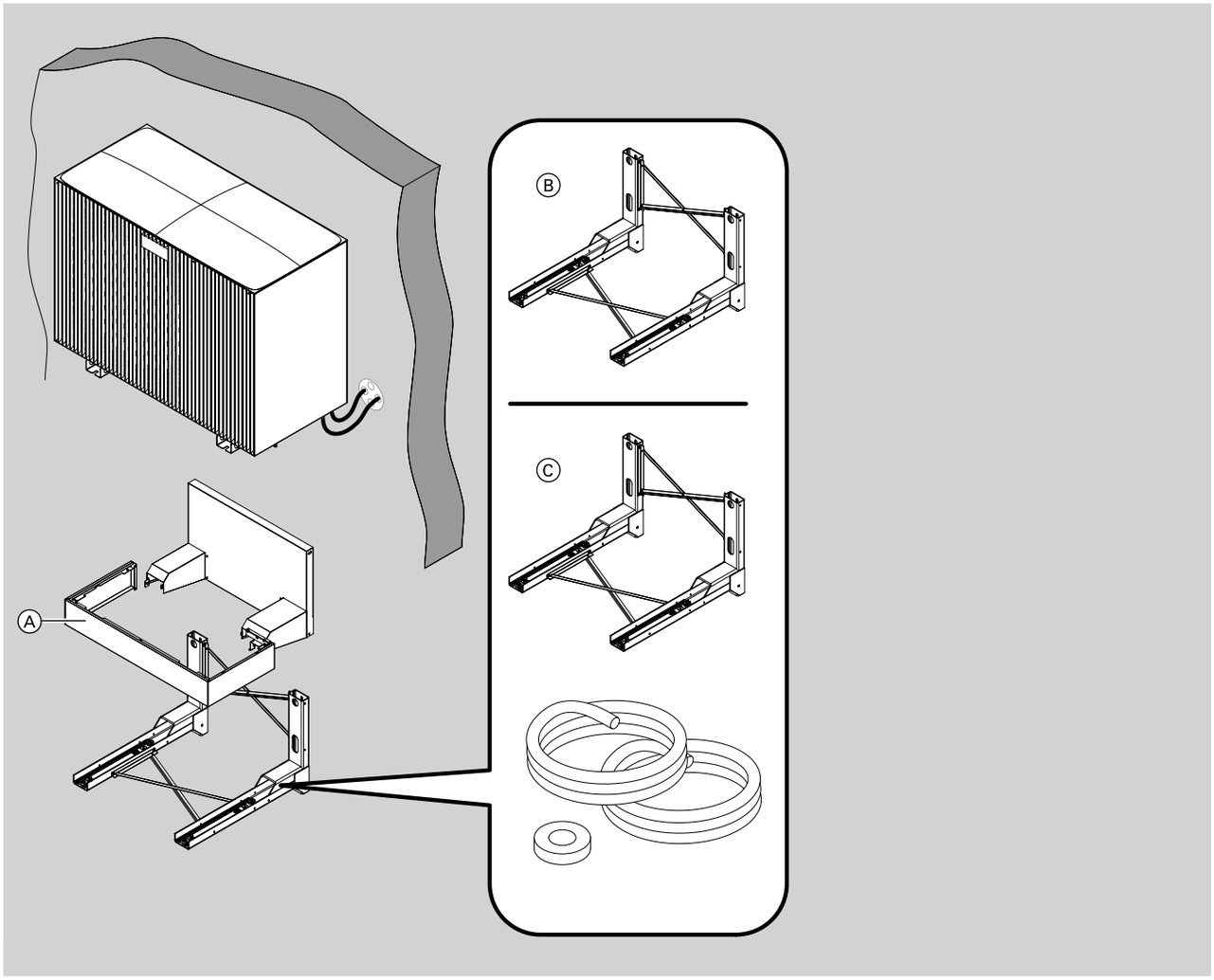
Brackets for outdoor unit

		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

Installation sets

		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



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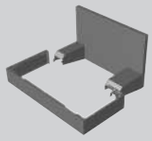
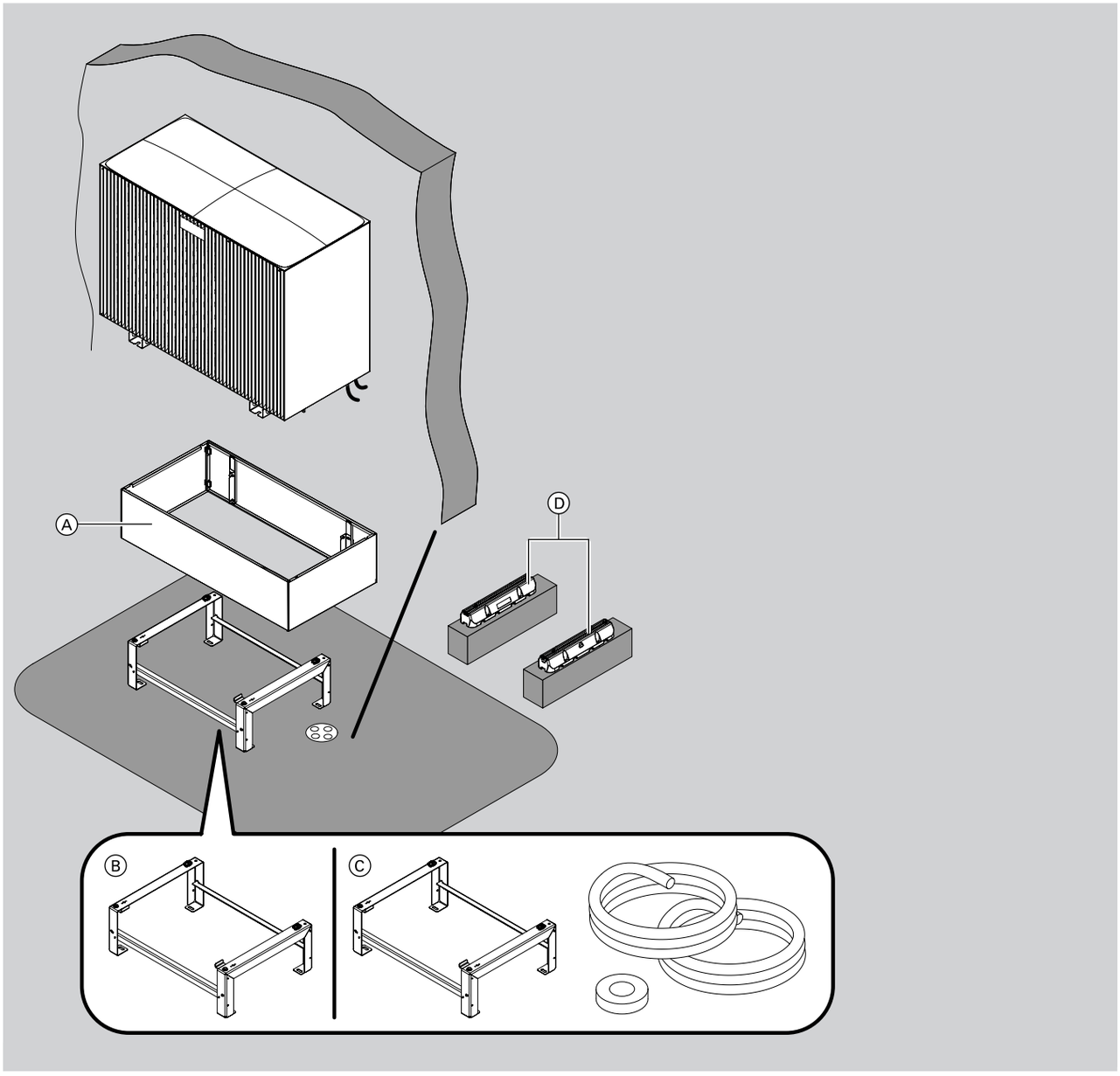
Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet

Brackets for outdoor unit		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Installation sets		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06315 **1.261,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



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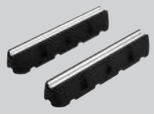
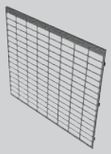
Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro** MG WU
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

Accessories

Wireless accessories

MG Y

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

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Accessories		
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 250-SH

Air source heat pumps for hybrid operation
Split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

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Vitocal 250-SH

Up to 60 °C flow temperature

Type HAWB-M-AC 252.B and HAWB-M-AC-AF 252.B
Heat pump with electric drive in split design with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve
- Integral mixer for connecting an external heat generator
- Integral 16 l buffer cylinder and 18 l expansion vessel

Types ...AF: with integral electric ribbon heater in the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa).

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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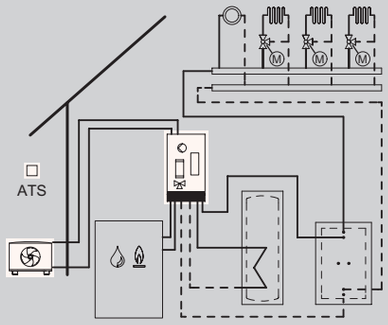
VITOCAL 250-SH

Air source heat pumps for hybrid operation, split version
Vitocal 250-SH, type HAWB-M-AC 252.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: see Accessories.

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 18 l
- Integral 16 l buffer cylinder
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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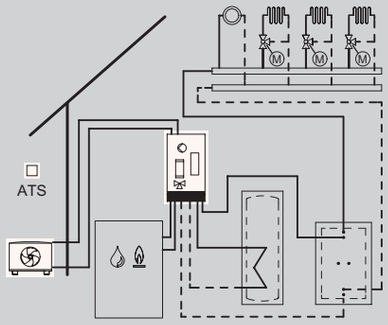
Air source heat pumps for hybrid operation, split version
Vitocal 250-SH, type HAWB-M-AC 252.B
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8		MG WS
	HAWB-M-AC 252.B06 **230**	Z024777 **8.466,–** A++	–	–		Part no. **Euro** Energy
	HAWB-M-AC 252.B08 **230**	–	Z024779 **8.806,–** A++	–		Part no. **Euro** Energy
	HAWB-M-AC 252.B10 **230**	–	–	Z024781 **9.238,–** A++		Part no. **Euro** Energy
	Specification					
	Coefficient of performance (COP) at A7	5.0	5.0	4.9		
	Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
	Rated heating output A2/W35	4.3	4.7	5.3		kW
	Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
	Flow temperature	60	60	60		°C
	Sound power level	50	50	50		dB(A)
	Cooling capacity	5.4	6.7	8.8		kW
	Energy efficiency ratio (EER)	5.9	5.1	4.9		
	Max. cooling capacity	8.5	9.5	10.6		kW
	Indoor unit width	600	600	600		mm
	Indoor unit height	920	920	920		mm
	Indoor unit length	360	360	360		mm
	Indoor unit weight	70	70	70		kg
	Outdoor unit width	1080	1080	1080		mm
	Outdoor unit height	850	850	850		mm
	Outdoor unit length	500	500	500		mm
	Outdoor unit weight	95	95	95		kg
	Dimensions of hot gas line	12	16	16		Ø mm
	Dimensions of liquid line	6	6	6		Ø mm
	Energy efficiency ηs at W35	185	193	192		%
	Energy efficiency ηs at W55	125	130	128		%

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-SH

Air source heat pumps for hybrid operation, split version
Vitocal 250-SH, type HAWB-M-AC-AF 252.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: see Accessories.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

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Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 18 l
- Integral 16 l buffer cylinder
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- With integral electric ribbon heater for the condensate pan

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8		MG WS
	HAWB-M-AC-AF 252.B06 **230**	Z024778 **8.541,–** A++	–	–		Part no. **Euro** Energy
	HAWB-M-AC-AF 252.B08 **230**	–	Z024780 **8.884,–** A++	–		Part no. **Euro** Energy
	HAWB-M-AC-AF 252.B10 **230**	–	–	Z024782 **9.325,–** A++		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Rated heating output A2/W35	4.3	4.7	5.3		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Sound power level	50	50	50		dB(A)
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Indoor unit width	600	600	600		mm
Indoor unit height	920	920	920		mm
Indoor unit length	360	360	360		mm
Indoor unit weight	70	70	70		kg
Outdoor unit width	1080	1080	1080		mm
Outdoor unit height	850	850	850		mm
Outdoor unit length	500	500	500		mm
Outdoor unit weight	95	95	95		kg
Dimensions of hot gas line	12	16	16		Ø mm
Dimensions of liquid line	6	6	6		Ø mm
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 1.2

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

►For suitable accessory packs for energy management, see Register 11.

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Accessories

Accessories

MG WX

Pre-plumbing jig for surface mounting
For split indoor units measuring 600 mm wide
- Fixings
- Valves/fittings

Suitable for heating mode only.
We recommend using the ball valve set for cooling mode.

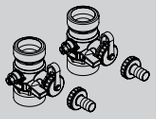
ZK06304
357,–
Part no.
Euro

Locking ring fittings for pre-plumbing jig with width of 600 mm
As connecting element from valve/fitting to copper pipe for the heating/cooling circuit
- 8x G 1¼" to 28 x 1 mm
- 2x G 1" to 22 x 1 mm

Suitable for pre-plumbing jig for surface mounting

7973233
133,–
Part no.
Euro

Ball valve set
For flushing and venting. Must be added to the order if a pre-plumbing jig is not used.
- Valves/fittings for flow and return to the outdoor unit



ZK06057
71,–
Part no.
Euro

Locking ring fittings for ball valve set
As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit
- 4x G 1¼" to 28 x 1 mm

7973236
77,–
Part no.
Euro

Valve/fittings cover 600 mm
For indoor units measuring 600 mm wide
- Colour: Vitopearlwhite
- Installed directly on the indoor unit

7973428
84,–
Part no.
Euro

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–
Part no.
Euro

Filters and magnetite separators

MG VC

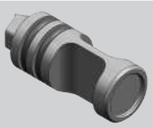
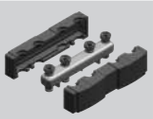
Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–
Part no.
Euro

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.		ZK04322 **16,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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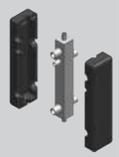
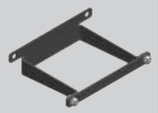
Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories

Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**		Part no. **Euro**

Low loss header

		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

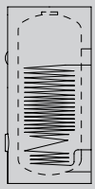
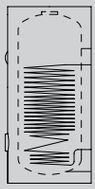
Please note:
For sizing the low loss header, please observe the technical guides.

Sensors

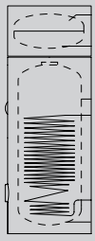
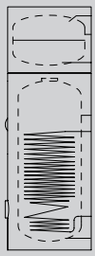
		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		–	Z012684 **617,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater

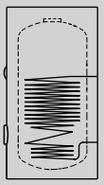
Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG WH
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories

Cooling

MG WX

Contact humidistat 24 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.

7181418
570,–

Part no.
Euro

Contact humidistat 230 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.

7452646
523,–

Part no.
Euro

6.12

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Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**

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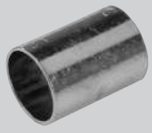
Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Copper solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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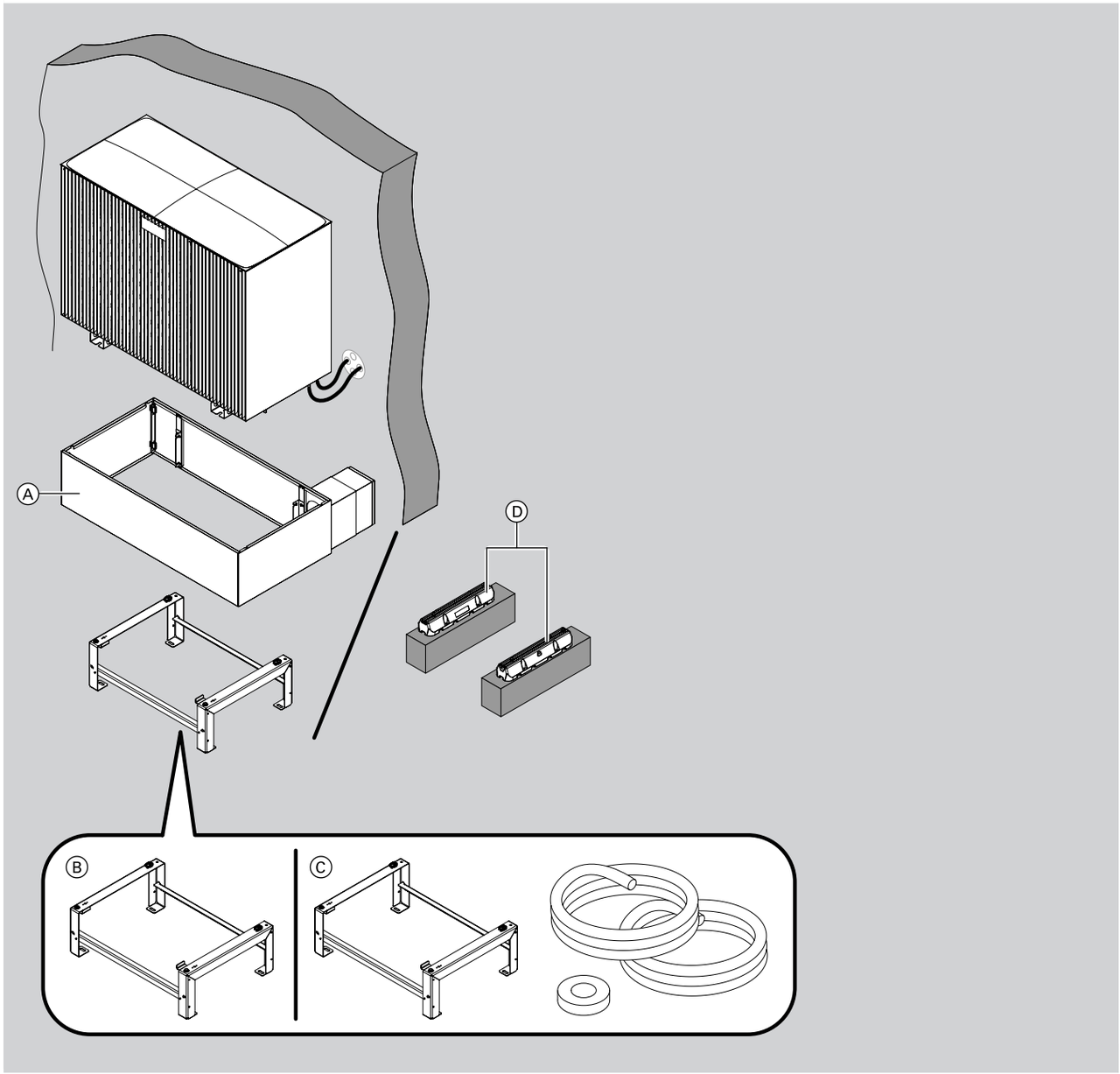
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level



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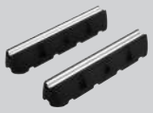
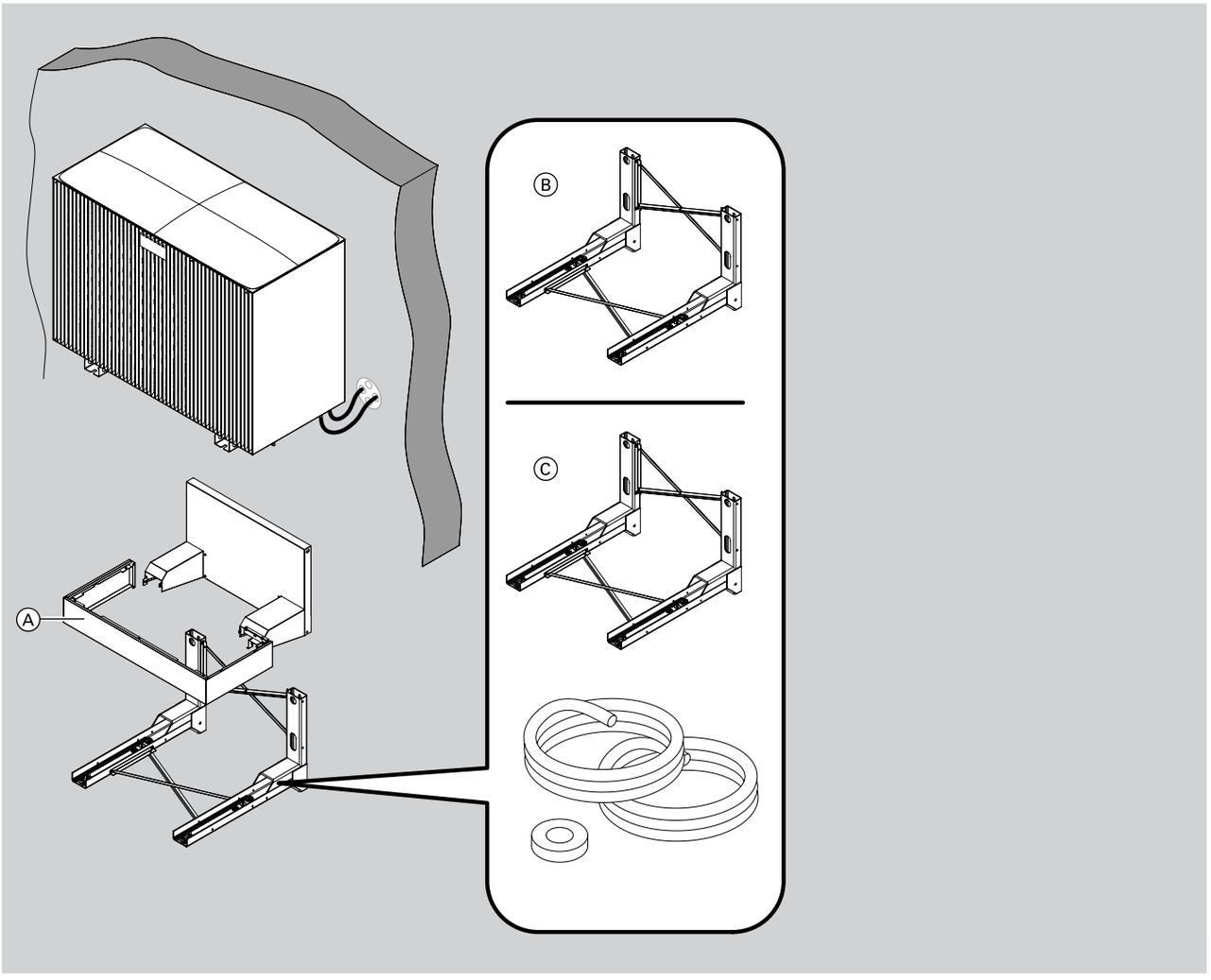
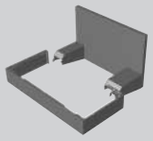
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm 	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.* 	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

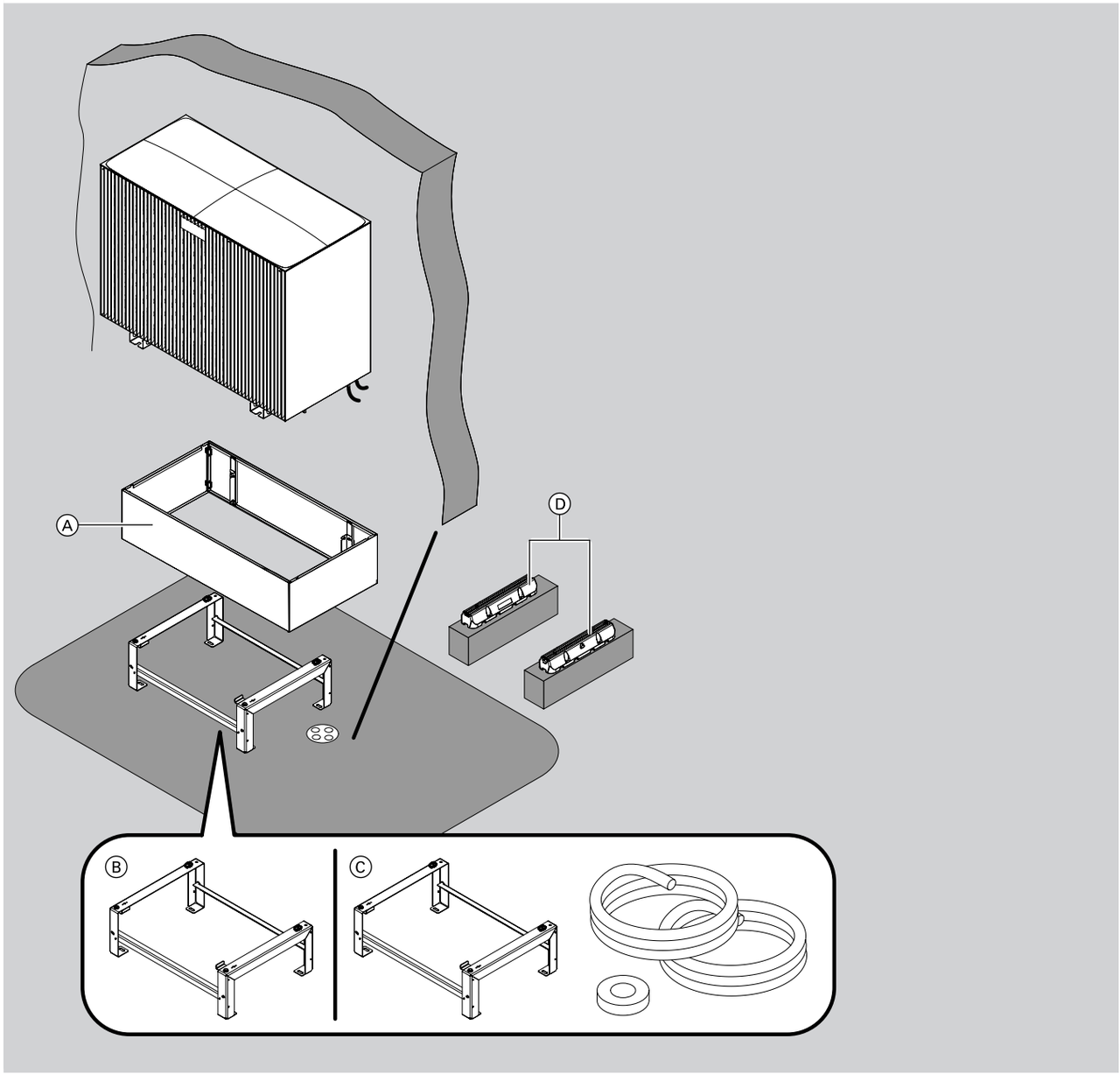
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ...B08 and ... B10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ...B08 and ... B10	ZK06317 **904,–**	Part no. **Euro**

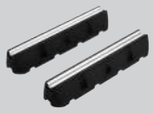
Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



Siting the outdoor unit Example 2: wall mounting bracket and wall outlet		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .B08 and ... B10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ... .B08 and ... B10	ZK06315 **1.261,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .B08 and ... B10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ... .B08 and ... B10	ZK06317 **904,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**

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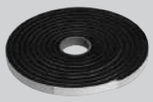
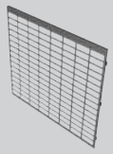
Accessories		
Miscellaneous		MG WX
Foam tape Roll, 5 m long. 	7441146 **21,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

► For suitable accessory packs for energy management, see Register 1.1.

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.12

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

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Accessories		
Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room can control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

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Accessories

Wireless accessories

		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug		7438702 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*		ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*		7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*		7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*		Z017409 **572,–**	Part no. **Euro**

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Accessories

Heating circuit control unit extension

MG W

EM-M1 mixer extension kit (wall mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB for separately ordered mixer motor
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump and mixer motor
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Z025981
373,–

Part no.
Euro

Suitable for heating and cooling mode

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

VITOCAL 150-A

Air source heat pumps
Monoblock version
2.1 to 14.9 kW A7/W35
1.8 to 13.7 kW A2/W35

6.13

Vitocal 150-A

Up to 70 °C flow temperature

Type AWO-E-AC(-AF) 151.A
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and Vitoguide
- Guided commissioning via Vitoguide
- Individual room control with components from ViCare Smart Climate

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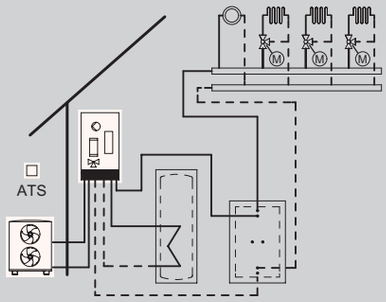
VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-M-E-AC 151.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

6.13

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	MG WT
AWO-M-E-AC 151.A04 230	Z026430 **7.670,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A06 230	–	Z026431 **7.919,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A08 230	–	–	Z026432 **8.167,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A10 230	–	–	–	Z023206 **10.297,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A13 230	–	–	–	–	Z023207 **10.540,–** A++	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A16 230	–	–	–	–	–	Z023208 **10.800,–** A++	Part no. **Euro** Energy

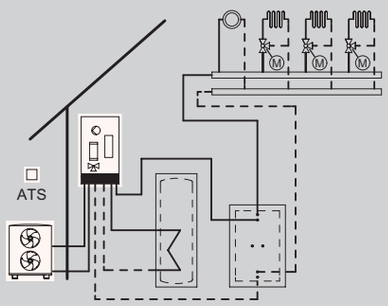
Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	920	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	360	mm
Indoor unit weight	47	47	47	47	47	47	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-M-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

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Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-M-E-AC-AF 151.A
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	MG WT
AWO-M-E-AC-AF 151.A04 **230**	Z026436 **8.234,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A06 **230**	–	Z026437 **8.510,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A08 **230**	–	–	Z026438 **8.785,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A10 **230**	–	–	–	Z023212 **10.414,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A13 **230**	–	–	–	–	Z023213 **10.662,–** A++	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A16 **230**	–	–	–	–	–	Z023214 **10.926,–** A++	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	920	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	360	mm
Indoor unit weight	47	47	47	47	47	47	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

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- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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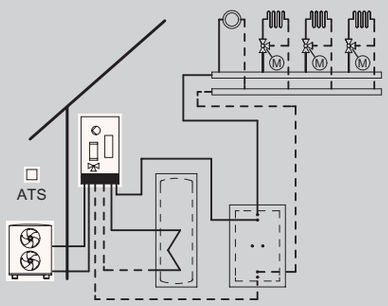
VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-E-AC 151.A/AWO-E-AC-AF 151.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

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Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-E-AC 151.A/AWO-E-AC-AF 151.A
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1	 9.1 12.4	MG WT
AWO-E-AC 151.A10 **400**	Z023209 **10.293,–** A++	–	–	Part no. **Euro** Energy
AWO-E-AC-AF 151.A10 **400**	Z023215 **10.410,–** A++	–	–	Part no. **Euro** Energy
AWO-E-AC 151.A13 **400**	–	Z023210 **10.536,–** A++	–	Part no. **Euro** Energy
AWO-E-AC-AF 151.A13 **400**	–	Z023216 **10.658,–** A++	–	Part no. **Euro** Energy
AWO-E-AC 151.A16 **400**	–	–	Z023211 **10.796,–** A++	Part no. **Euro** Energy
AWO-E-AC-AF 151.A16 **400**	–	–	Z023217 **10.922,–** A++	Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.0	4.9	4.9	
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	°C
Sound power level	59	59	59	dB(A)
Cooling capacity	9.5	11.2	13.3	kW
Energy efficiency ratio (EER)	4.5	4.1	3.7	
Max. cooling capacity	13.4	14.7	16.0	kW
Indoor unit width	450	450	450	mm
Indoor unit height	920	920	920	mm
Indoor unit length	360	360	360	mm
Indoor unit weight	47	47	47	kg
Outdoor unit width	1144	1144	1144	mm
Outdoor unit height	1382	1382	1382	mm
Outdoor unit length	600	600	600	mm
Outdoor unit weight	197	197	197	kg
Energy efficiency ηs at W35	190	178	178	%
Energy efficiency ηs at W55	145	141	141	%
Rated heating output A2/W35	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	4.1	3.8	3.8	
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,8	4,8	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

6.13

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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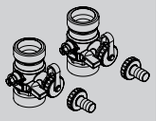
Accessories

Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode.* *We recommend using the ball valve set for cooling mode.* 	ZK06008 **398,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**

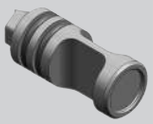
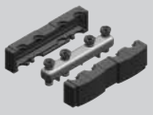
Filters and magnetite separators

		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.* 	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro**

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

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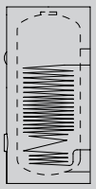
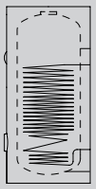
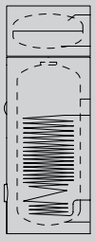
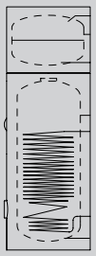
DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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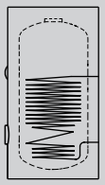
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories

Cooling

MG WX

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.

7181418
570,–
Part no.
Euro

Contact humidistat 230 V
- For capturing the dew point
- To prevent condensation

Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.

7452646
523,–
Part no.
Euro

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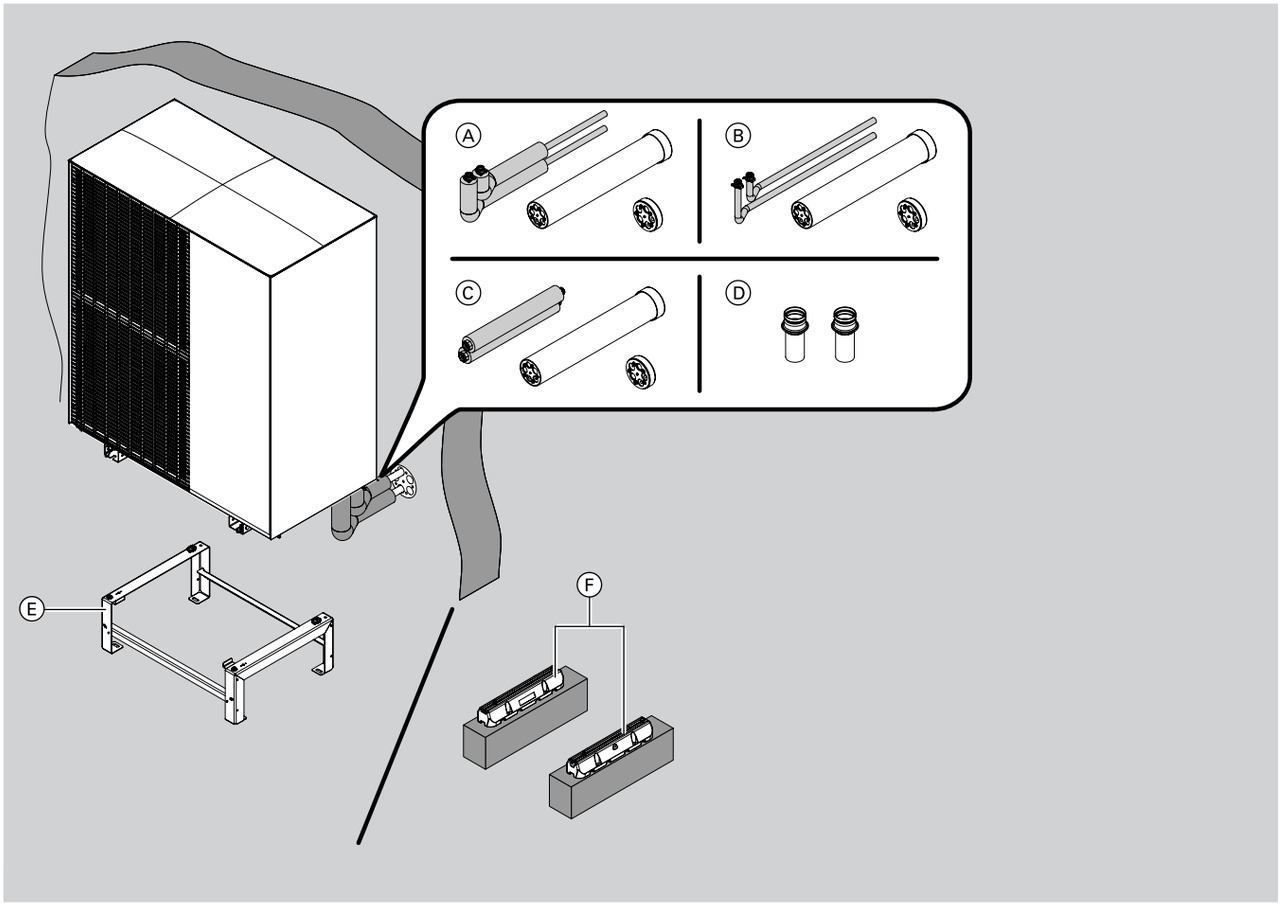
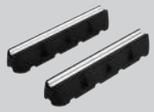
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

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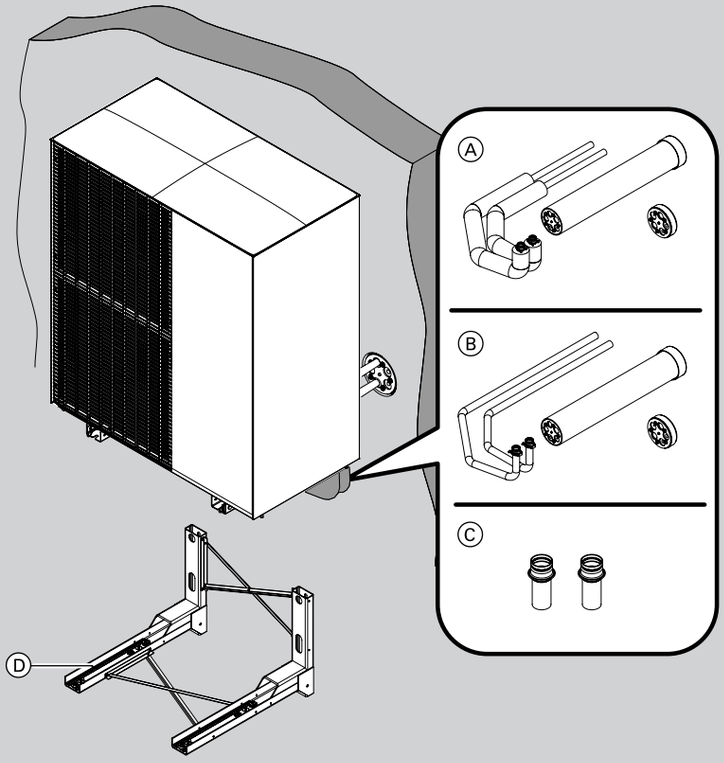
Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



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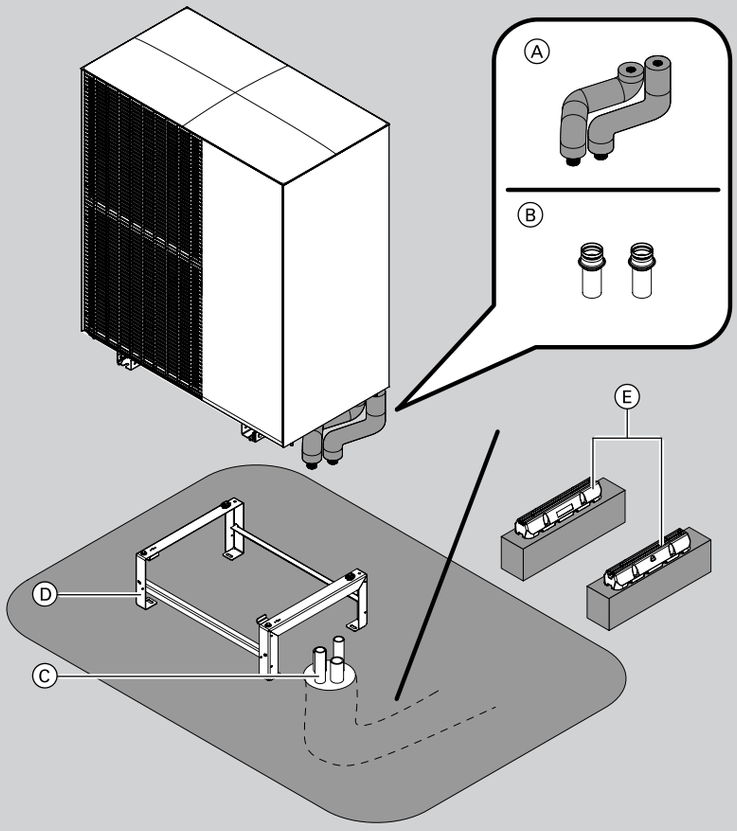
Siting the outdoor unit Example 2: Wall mounting bracket and wall outlet		
Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓓ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



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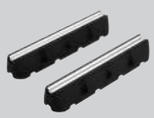
Siting the outdoor unit Example 3: Floor bracket and pipework below ground level		
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit		
		MG WX
Ⓓ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓔ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A4 to ...A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A10 to ...A16*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Energy management

Photovoltaics

		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**

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Accessories

Wireless accessories

MG Y

ViCare floor thermostat
(low power radio)
Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect.

- Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators)
- The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control.
- An integral frost protection function prevents damage to the fabric of the building.
- An anti-limescale function prevents the actuator valves from seizing up.
- Compatible with N/O and N/C thermal actuators.
- The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value.

Standard delivery:
- ViCare floor thermostat
- External aerial with connecting cable, 1.3 m long
- Contact temperature sensor with connecting lead, 1.8 m long and hose clip
- Connecting cable, 1.2 m long, with plug
- Tool for operating the pairing button
- Installation material for wall mounting

Up to 4 ViCare floor thermostats can be supported simultaneously.

ZK03838
306,–

Part no.
Euro

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.

- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

Accessories

Remote control units

		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Suitable for heating and cooling operation*	Z025981 **373,–**	Part no. **Euro**

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, visit www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 151-A

Air source heat pumps
Compact appliance, monoblock version
2.1 to 14.9 kW A7/W35
1.8 to 13.7 kW A2/W35

6.14

Vitocal 151-A

Up to 70 °C flow temperature

Type AWOT-E-AC(-AF) 151.A
Compact heat pump in monoblock version with outdoor unit and monoblock indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral DHW cylinder, 190 l
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and Vitoguide
- Guided commissioning via Vitoguide
- Individual room control with components from ViCare Smart Climate

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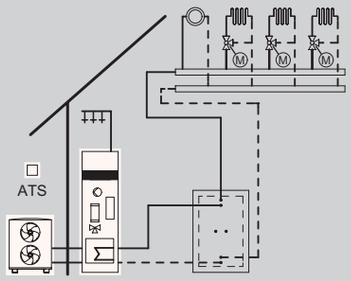
VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-M-E-AC 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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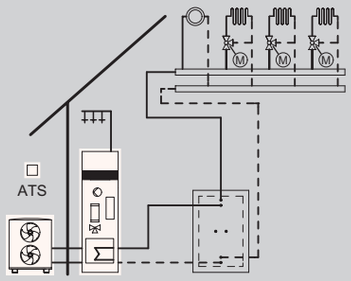
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG WT
	4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	
AWOT-M-E-AC 151.A04 230	Z026442 **9.852,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A06 230	–	Z026443 **10.101,–** A++ A	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A08 230	–	–	Z026444 **10.349,–** A++ A	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A10 230	–	–	–	Z023224 **12.479,–** A++ A	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A13 230	–	–	–	–	Z023225 **12.722,–** A++ A	–	Part no. **Euro**
AWOT-M-E-AC 151.A16 230	–	–	–	–	–	Z023226 **12.982,–** A++ A	Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 4.8	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cylinder capacity	190	190	190	190	190	190	l
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1900	1900	1900	1900	1900	1900	mm
Indoor unit length	597	597	597	597	597	597	mm
Indoor unit weight	170	170	170	170	170	170	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use,medium climate conditions	1,6	4,7	4,8	4,6	4,8	4,8	

VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-M-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG WT
	4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	
AWOT-M-E-AC-AF 151.A04 230	Z026448 **10.416,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A06 230	–	Z026449 **10.692,–** A++ A	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A08 230	–	–	Z026450 **10.967,–** A++ A	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A10 230	–	–	–	Z023230 **12.596,–** A++ A	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A13 230	–	–	–	–	Z023231 **12.844,–** A++ A	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A16 230	–	–	–	–	–	Z023232 **13.108,–** A++ A	Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 4.8	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cylinder capacity	190	190	190	190	190	190	l
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	12.0	15.7	17.0	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1900	1900	1900	1900	1900	1900	mm
Indoor unit length	597	597	597	597	597	597	mm
Indoor unit weight	170	170	170	170	170	170	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

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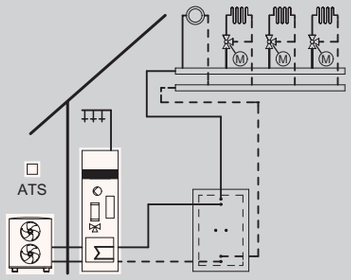
VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-E-AC 151.A/AWOT-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-E-AC 151.A/AWOT-E-AC-AF 151.A
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1	 9.1 12.4		MG WT
AWOT-E-AC 151.A10 **400**	Z023227 **12.475,–** A++ A	–	–		Part no. **Euro**
AWOT-E-AC-AF 151.A10 **400**	Z023233 **12.592,–** A++ A	–	–		Part no. **Euro**
AWOT-E-AC 151.A13 **400**	–	Z023228 **12.718,–** A++ A	–		Part no. **Euro**
AWOT-E-AC-AF 151.A13 **400**	–	Z023234 **12.840,–** A++ A	–		Part no. **Euro**
AWOT-E-AC 151.A16 **400**	–	–	Z023229 **12.978,–** A++ A		Part no. **Euro**
AWOT-E-AC-AF 151.A16 **400**	–	–	Z023235 **13.104,–** A++ A		Part no. **Euro**

Specification					
Coefficient of performance (COP) at A7	5.0	4.9	4.9		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9		kW
Flow temperature	70	70	70		°C
Sound power level	59	59	59		dB(A)
Cylinder capacity	190	190	190		l
Cooling capacity	9.5	11.2	13.3		kW
Energy efficiency ratio (EER)	4.5	4.1	3.7		
Max. cooling capacity	13.4	14.7	16.0		kW
Indoor unit width	600	600	600		mm
Indoor unit height	1900	1900	1900		mm
Indoor unit length	597	597	597		mm
Indoor unit weight	170	170	170		kg
Outdoor unit width	1144	1144	1144		mm
Outdoor unit height	1382	1382	1382		mm
Outdoor unit length	600	600	600		mm
Outdoor unit weight	197	197	197		kg
Energy efficiency ηs at W35	190	178	178		%
Energy efficiency ηs at W55	145	141	141		%
Rated heating output A2/W35	5.8	6.7	7.6		kW
Coefficient of performance (COP) at A2	4.1	3.8	3.8		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	9	12	13		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,8	4,8		

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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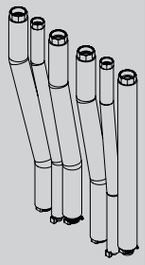
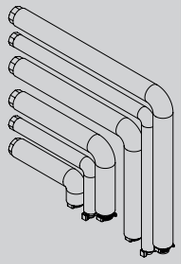
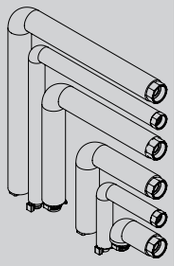
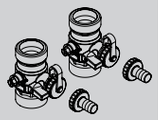
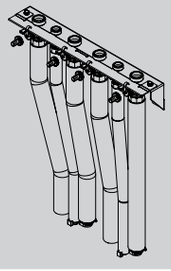
Accessories		
Accessories		MG WX
Notes: ■ A hydraulic connection set must also be ordered to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06058 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06059 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06060 **225,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06061 **363,–**	Part no. **Euro**

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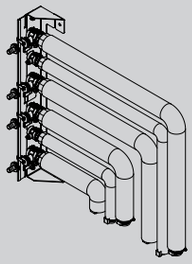
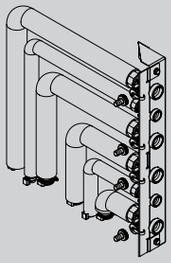
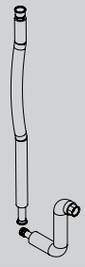
Accessories

Accessories		
		MG WX
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06062 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06063 **363,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig for compact appliance, 1 heating/cooling circuit As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm	7973232 **101,–**	Part no. **Euro**
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation 	ZK06228 **91,–**	Part no. **Euro**

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Accessories

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

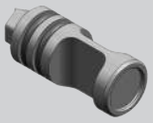
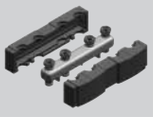
Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.

7266384
Part no.
294,–
Euro

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode 				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	–	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	–		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long) 				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	–	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	–		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		–	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

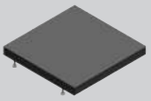
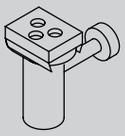
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories

Accessories

			MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**	Part no. **Euro**

Miscellaneous

Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation		7417925 **474,–**	Part no. **Euro** MG WX
Drain outlet kit Drain outlet with trap and bezel DN 40.		7176014 **35,–**	Part no. **Euro** MG W

Cooling accessories

Cooling

MG WX

Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

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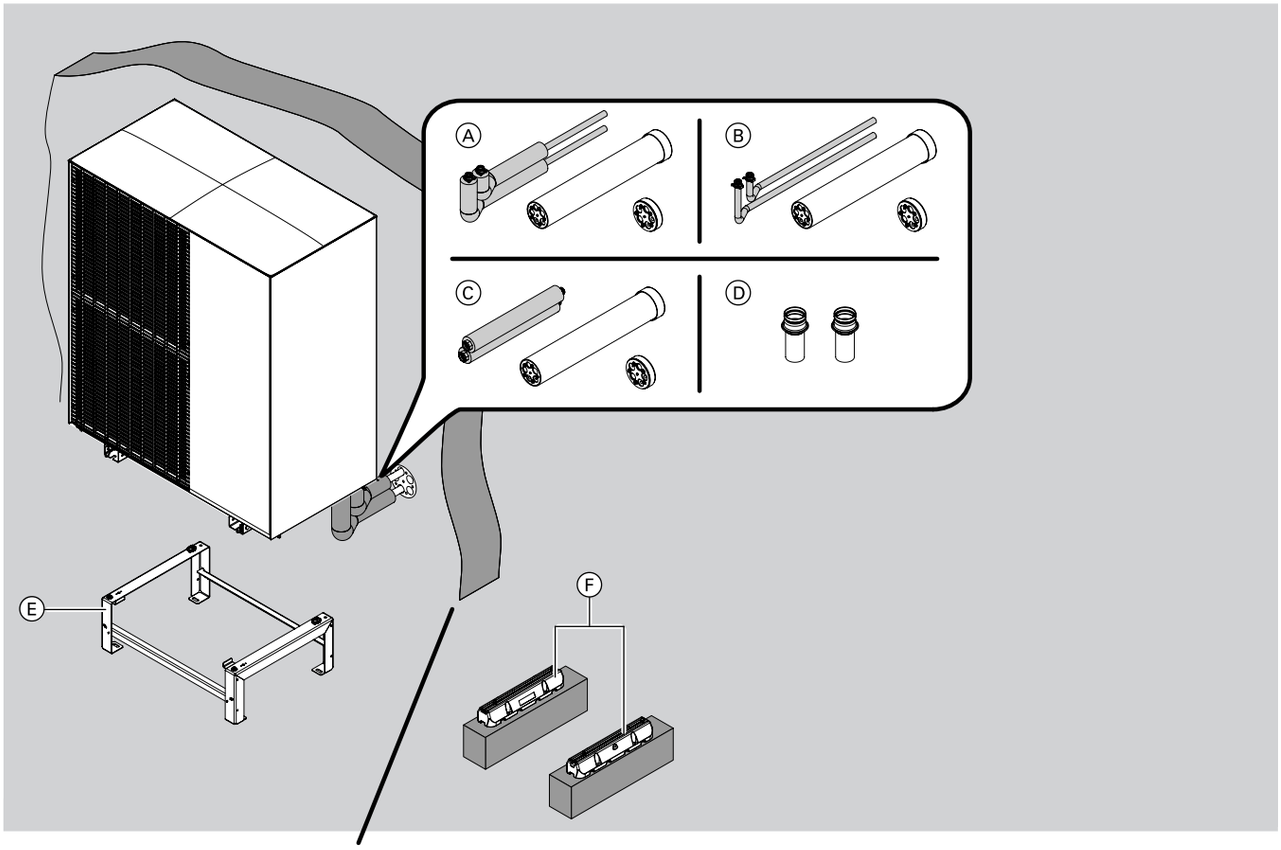
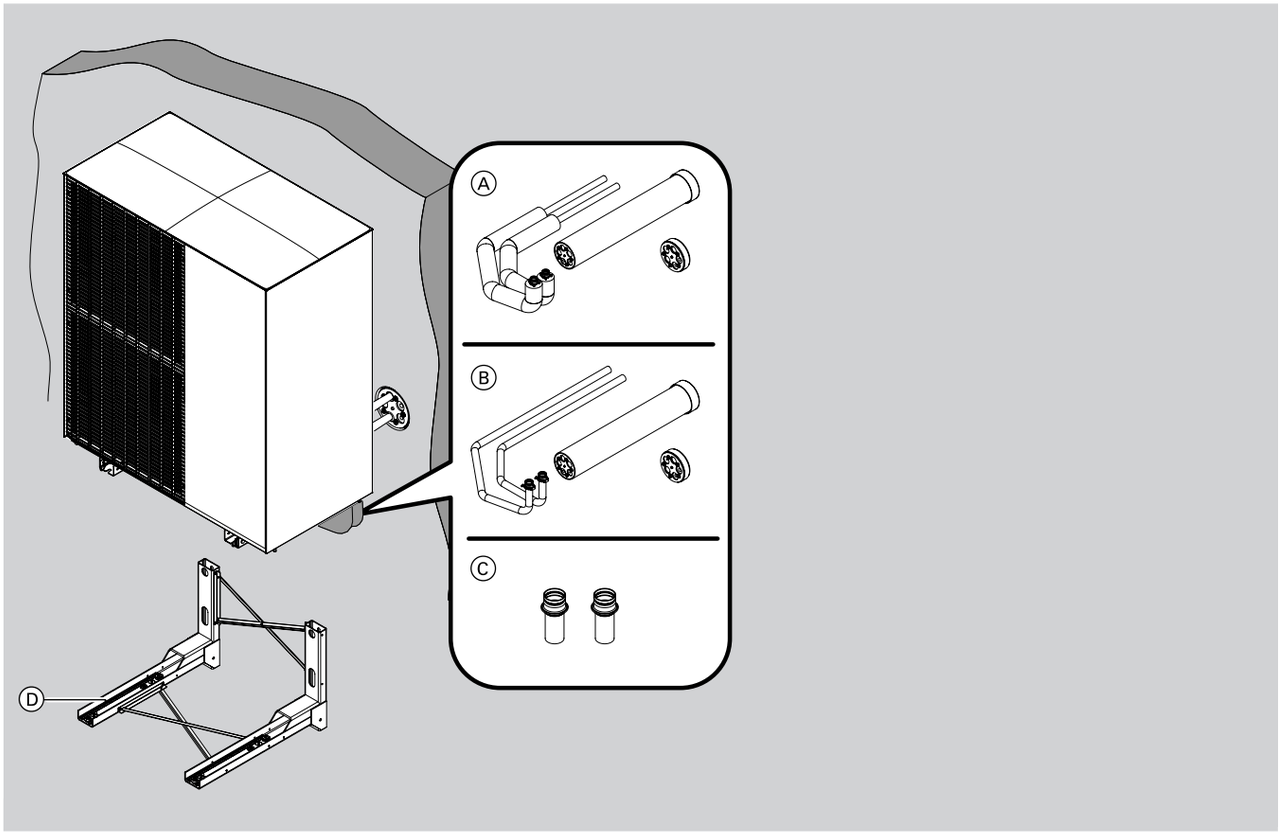
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Siting the outdoor unit Example 1: Floor bracket and wall outlet above ground level		
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*	ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



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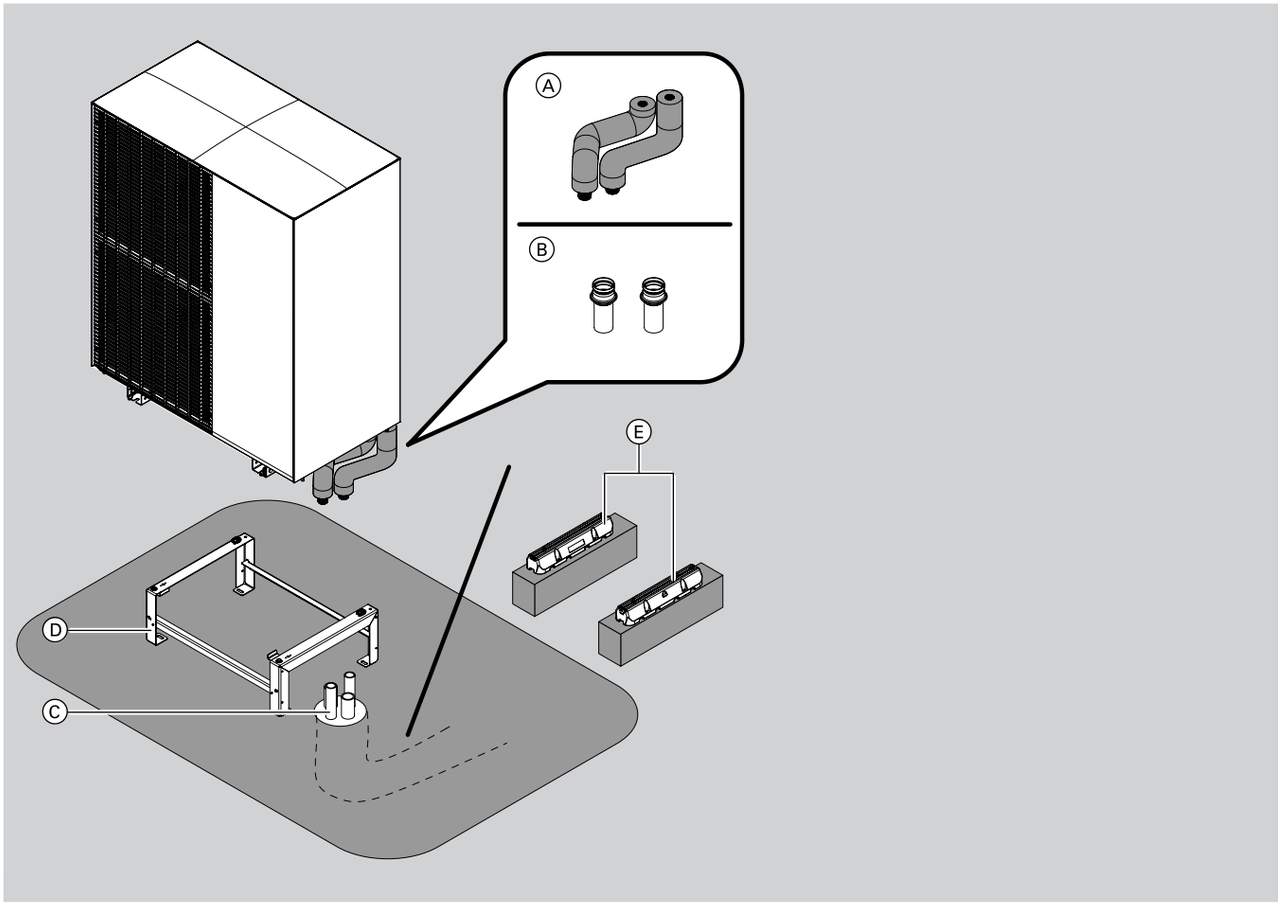
Siting the outdoor unit Example 2: Wall mounting bracket and wall outlet		
Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓓ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



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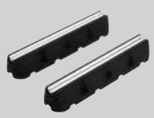
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit		MG WX
Ⓓ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓔ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A4 to ...A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A10 to ...A16*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Energy management		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.14

Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**

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Accessories

Wireless accessories

MG Y

ViCare floor thermostat
(low power radio)
Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect.
- Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators)
- The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control.
- An integral frost protection function prevents damage to the fabric of the building.
- An anti-limescale function prevents the actuator valves from seizing up.
- Compatible with N/O and N/C thermal actuators.
- The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value.

Standard delivery:
- ViCare floor thermostat
- External aerial with connecting cable, 1.3 m long
- Contact temperature sensor with connecting lead, 1.8 m long and hose clip
- Connecting cable, 1.2 m long, with plug
- Tool for operating the pairing button
- Installation material for wall mounting

Up to 4 ViCare floor thermostats can be supported simultaneously.

ZK03838
306,–

Part no.
Euro

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

6.14

Accessories		
Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Suitable for heating and cooling operation*	Z025981 **373,–**	Part no. **Euro**

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 250-A

Air source heat pumps
Monoblock version
2.1 to 13.4 kW A7/W35
1.8 to 12.3 kW A2/W35

Vitocal 250-A

Up to 70 °C flow temperature

Type AWO-E-AC(-AF) 251.A (2C)
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan
- 2C: With integral 2nd heating/cooling circuit

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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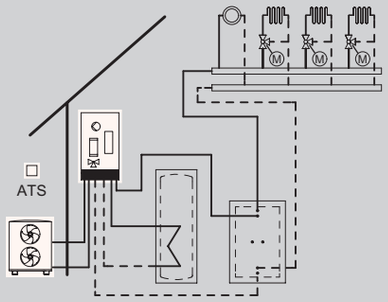
VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC 251.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

SG Ready

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

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The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		MG WT
AWO-M-E-AC 251.A04 **230**	Z026380 **9.752,–** A++	–	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A06 **230**	–	Z026381 **10.059,–** A++	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A08 **230**	–	–	Z026382 **10.366,–** A++	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A10 **230**	–	–	–	Z022164 **12.790,–** A+++	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A13 **230**	–	–	–	–	Z022165 **13.275,–** A++		Part no. **Euro** Energy

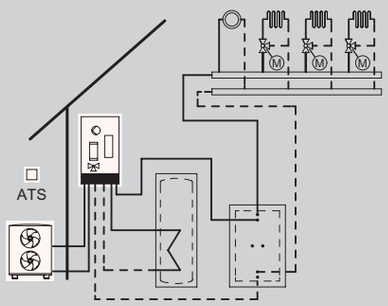
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	450	450	450	450	450		mm
Indoor unit height	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360		mm
Indoor unit weight	47	47	47	47	47		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	210	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	154		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.15

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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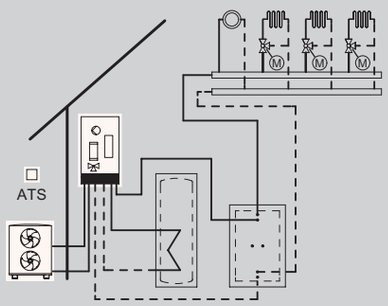
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)					MG WT
	4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	
AWO-M-E-AC-AF 251.A04 **230**	Z026392 **10.529,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A06 **230**	–	Z026393 **10.871,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A08 **230**	–	–	Z026394 **11.212,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A10 **230**	–	–	–	Z022168 **12.930,–** A+++	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A13 **230**	–	–	–	–	Z022169 **13.467,–** A++	Part no. **Euro** Energy
Specification						
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	kW
Flow temperature	70	70	70	70	70	°C
Sound power level	49	49	49	54	54	dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9	kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8	
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1	kW
Indoor unit width	450	450	450	450	450	mm
Indoor unit height	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	mm
Indoor unit weight	47	47	47	47	47	kg
Outdoor unit width	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	mm
Outdoor unit length	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	215	215	kg
Energy efficiency ηs at W35	189	183	176	197	195	%
Energy efficiency ηs at W55	143	141	140	152	154	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12	
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A/AWO-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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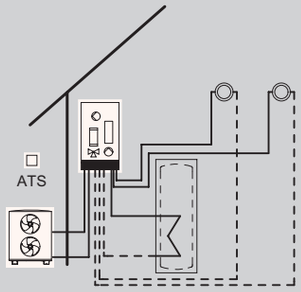
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWO-E-AC 251.A10 **400**	Z022166 **12.960,–** A+++	**–**		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A10 **400**	Z022170 **13.104,–** A+++	**–**		Part no. **Euro** Energy
	AWO-E-AC 251.A13 **400**	**–**	Z022167 **13.449,–** A++		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A13 **400**	**–**	Z022171 **13.646,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	55	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.2	15.1		kW
Indoor unit width	450	450		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	47	47		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	198	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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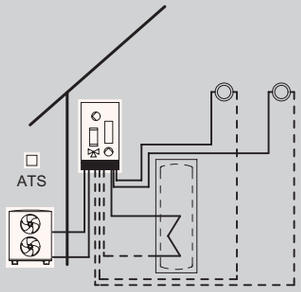
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		MG WT
	AWO-M-E-AC 251.A04 2C 230	Z026386 **11.139,–** A++	–	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC 251.A06 2C 230	–	Z026387 **11.446,–** A++	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC 251.A08 2C 230	–	–	Z026388 **11.753,–** A++	–	–		Part no. **Euro** Energy
	AWO-M-E-AC 251.A10 2C 230	–	–	–	Z022774 **14.177,–** A+++	–		Part no. **Euro** Energy
	AWO-M-E-AC 251.A13 2C 230	–	–	–	–	Z022775 **14.662,–** A++		Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360		mm
Indoor unit weight	47	47	47	55	55		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	154		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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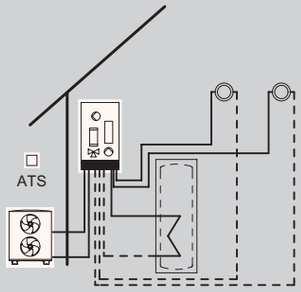
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG WT
	4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		
AWO-M-E-AC-AF 251.A04 2C 230	Z026398 **11.916,–** A++	–	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A06 2C 230	–	Z026399 **12.258,–** A++	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A08 2C 230	–	–	Z026400 **12.599,–** A++	–	–		Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A10 2C 230	–	–	–	Z022778 **14.317,–** A+++	–		Part no. **Euro** Energy
AWO-M-E-AC-AF 251.A13 2C 230	–	–	–	–	Z022779 **14.854,–** A++		Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.9		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360		mm
Indoor unit weight	47	47	47	55	55		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	154		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A 2C/AWO-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode**
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

SG Ready

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A 2C/AWO-E-AC-AF 251.A 2C
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWO-E-AC 251.A10 2C **400**	Z022776 **14.347,–** A+++	**–**		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A10 2C **400**	Z022780 **14.491,–** A+++	**–**		Part no. **Euro** Energy
	AWO-E-AC 251.A13 2C **400**	**–**	Z022777 **14.836,–** A++		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A13 2C **400**	**–**	Z022781 **15.033,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	55	55		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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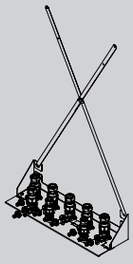
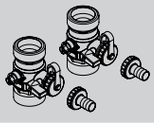
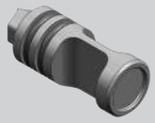
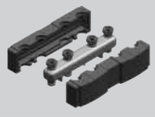
Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode.* *We recommend using the ball valve set for cooling mode.* 	ZK06008 **398,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode* *We recommend using the ball valve set for cooling mode.* 	ZK06210 **485,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 6x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**
Valve/fittings cover, 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**

Accessories		
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.*	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

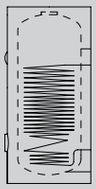
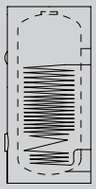
6.15

Divicon heating/cooling circuit distributor for heating and cooling mode

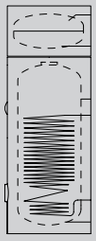
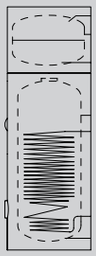
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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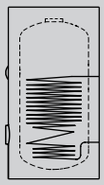
DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		**–**	Z012684 **617,–**	Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**		Part no. **Euro**

DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)		390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed.		Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)		390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)		390	500	MG W
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation		7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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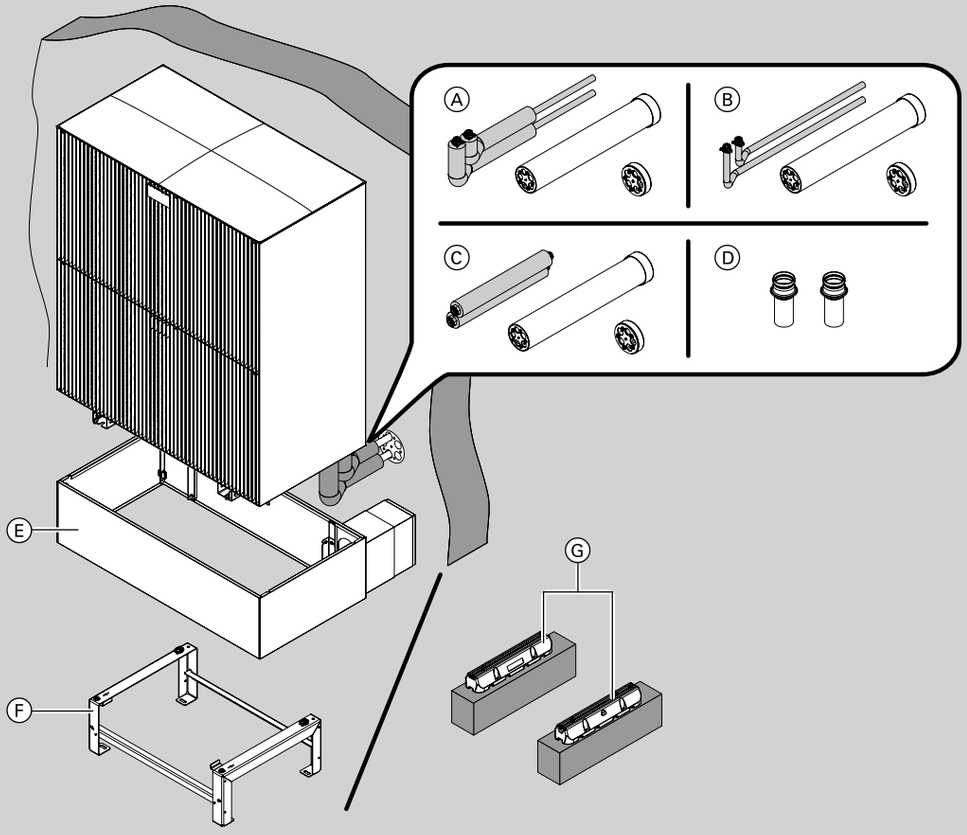
Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

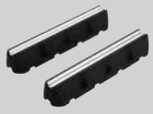
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



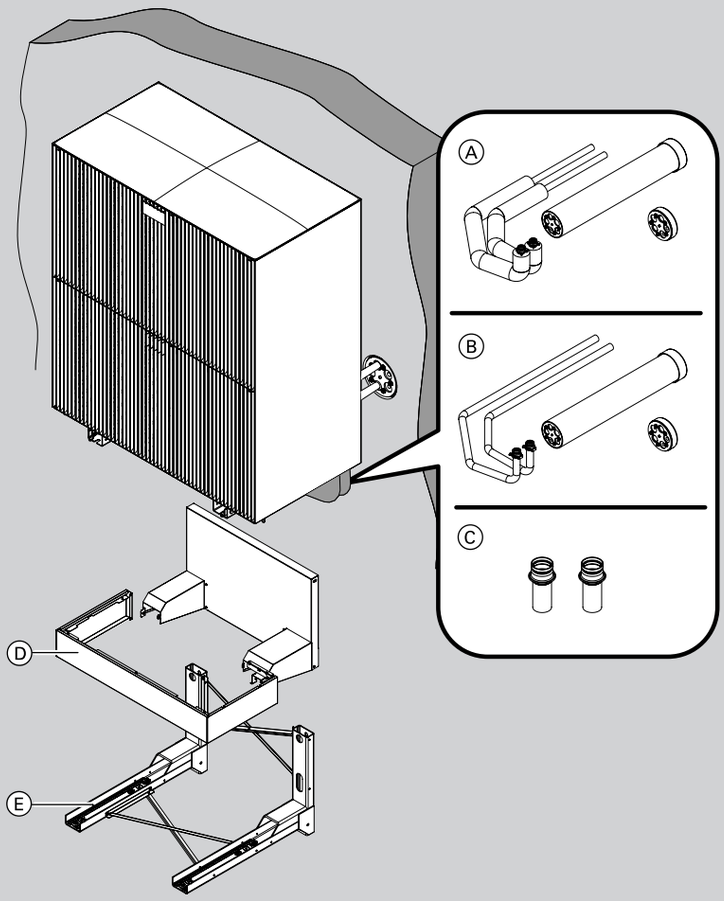
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

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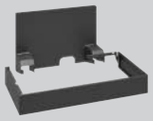
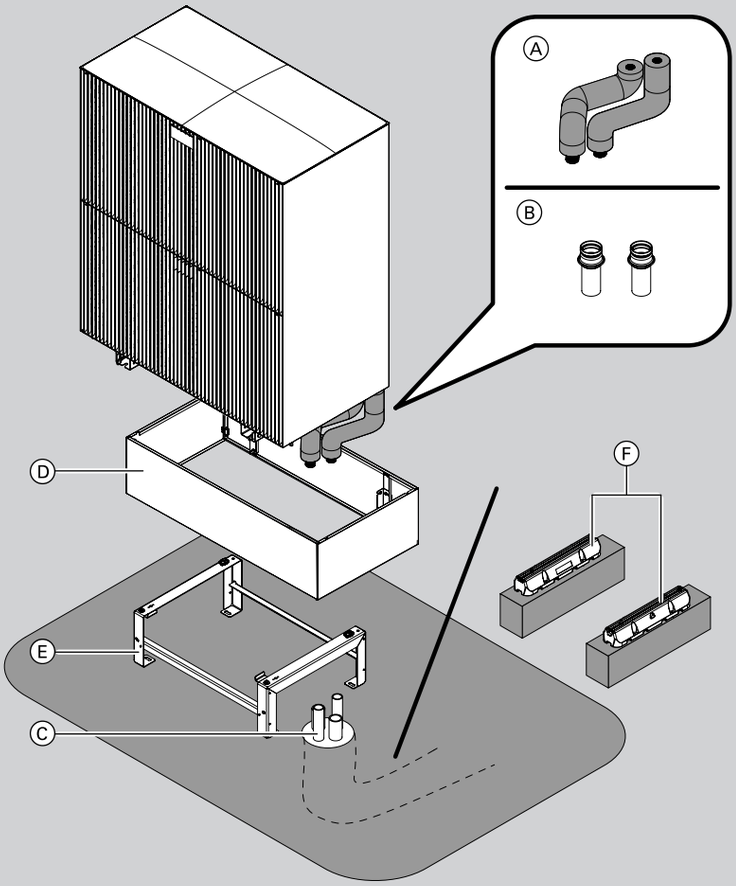
Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite		ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm		ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
► *Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	ZK06025 **350,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**

Accessories		
Wireless accessories		MG Y
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and the relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

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Accessories

Remote control units

		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 252-A

Air source heat pumps
Compact appliance, monoblock version
2.1 - 13.4 kW A7/W35
1.8 - 12.3 kW A2/W35

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Vitocal 252-A

Up to 70 °C flow temperature

Type AWOT-E-AC(-AF) 251.A (2C)

Compact heat pump in monoblock version with outdoor unit and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral DHW cylinder
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan
- 2C: With integral 2nd heating/cooling circuit

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Integral DHW cylinder, 190 l
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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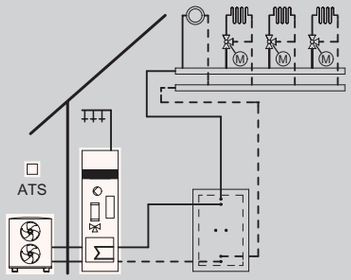
VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

6.16

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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6221400 Gesamtpreisliste LT-en.indb 2 29.01.2024 08:21:08

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWOT-M-E-AC 251.A04 230	Z026404 **12.273,–** A++ A	–	–	–	–		Part no. **Euro**
AWOT-M-E-AC 251.A06 230	–	Z026405 **12.580,–** A++ A	–	–	–		Part no. **Euro**
AWOT-M-E-AC 251.A08 230	–	–	Z026406 **12.887,–** A++ A	–	–		Part no. **Euro**
AWOT-M-E-AC 251.A10 230	–	–	–	Z022214 **15.311,–** A++ A+	–		Part no. **Euro**
AWOT-M-E-AC 251.A13 230	–	–	–	–	Z022215 **15.796,–** A++ A		Part no. **Euro**

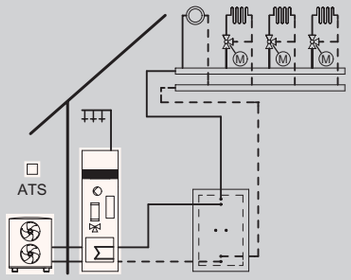
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cylinder capacity	190	190	190	190	190		l
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597		mm
Indoor unit weight	170	170	170	170	170		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

6.16

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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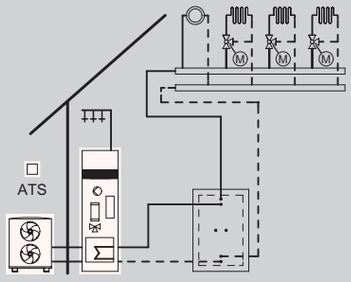
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWOT-M-E-AC-AF 251.A04 230	Z026416 **13.050,–** A++ A	–	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A06 230	–	Z026417 **13.392,–** A++ A	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A08 230	–	–	Z026418 **13.733,–** A++ A	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A10 230	–	–	–	Z022218 **15.451,–** A++ A+	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A13 230	–	–	–	–	Z022219 **15.988,–** A++ A		Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cylinder capacity	190	190	190	190	190		l
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597		mm
Indoor unit weight	170	170	170	170	170		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A/AWOT-E-AC-AF 251.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A/AWOT-E-AC-AF 251.A
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWOT-E-AC 251.A10 **400**	Z022216 **15.481,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC-AF 251.A10 **400**	Z022220 **15.625,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC 251.A13 **400**	**–**	Z022217 **15.970,–** A++ A		Part no. **Euro**
	AWOT-E-AC-AF 251.A13 **400**	**–**	Z022221 **16.167,–** A++ A		Part no. **Euro**

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cylinder capacity	190	190		l
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	1900	1900		mm
Indoor unit length	597	597		mm
Indoor unit weight	170	170		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

6.16

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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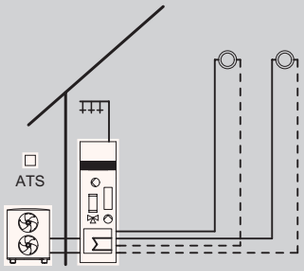
VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

6.16

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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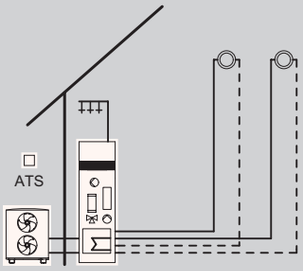
6221400 Gesamtpreisliste LT-en.indb 8 29.01.2024 08:21:11

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		MG WT
	AWOT-M-E-AC 251.A04 2C 230	Z026410 **13.743,–** A++ A	–	–	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A06 2C 230	–	Z026411 **14.050,–** A++ A	–	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A08 2C 230	–	–	Z026412 **14.357,–** A++ A	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A10 2C 230	–	–	–	Z023058 **16.781,–** A++ A+	–		Part no. **Euro**
	AWOT-M-E-AC 251.A13 2C 230	–	–	–	–	Z023059 **17.266,–** A++ A		Part no. **Euro**
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	55		dB(A)
	Cylinder capacity	190	190	190	190	190		l
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	13.2	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	1900	1900	1900	1900	1900		mm
	Indoor unit length	597	597	597	597	597		mm
	Indoor unit weight	170	170	170	172	172		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	181		%
	Energy efficiency ηs at W55	143	141	140	152	147		%
	Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
	COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

6.16

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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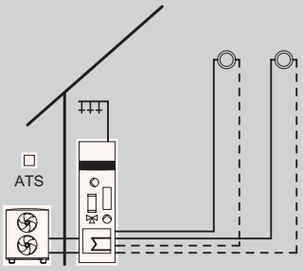
6221400 Gesamtpreisliste LT-en.indb 10 29.01.2024 08:21:12

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWOT-M-E-AC-AF 251.A04 2C 230	Z026422 **14.520,–** A++ A	–	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A06 2C 230	–	Z026423 **14.862,–** A++ A	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A08 2C 230	–	–	Z026424 **15.203,–** A++ A	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A10 2C 230	–	–	–	Z023062 **16.921,–** A++ A+	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A13 2C 230	–	–	–	–	Z023063 **17.458,–** A++ A		Part no. **Euro**
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	55		dB(A)
Cylinder capacity	190	190	190	190	190		l
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	13.2	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597		mm
Indoor unit weight	170	170	170	172	172		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	181		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A 2C/AWOT-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function for 1 heating/cooling circuit without mixer ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A 2C/AWOT-E-AC-AF 251.A 2C
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWOT-E-AC 251.A10 2C 400	Z023060 **16.951,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC-AF 251.A10 2C 400	Z023064 **17.095,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC 251.A13 2C 400	**–**	Z023061 **17.440,–** A++ A		Part no. **Euro**
	AWOT-E-AC-AF 251.A13 2C 400	**–**	Z023065 **17.637,–** A++ A		Part no. **Euro**

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cylinder capacity	190	190		l
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	1900	1900		mm
Indoor unit length	597	597		mm
Indoor unit weight	172	172		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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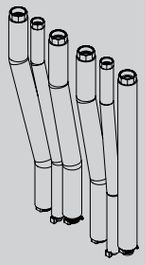
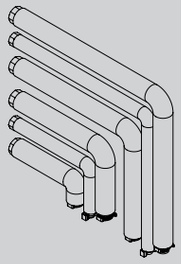
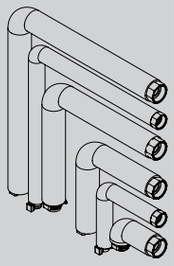
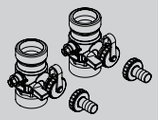
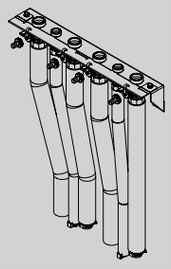
Accessories

Accessories		MG WX
Notes: ■ A hydraulic connection set must also be ordered to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06058 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06059 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06060 **225,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06061 **363,–**	Part no. **Euro**

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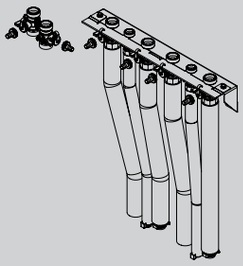
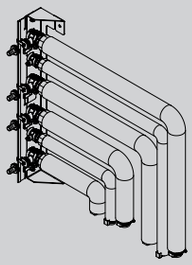
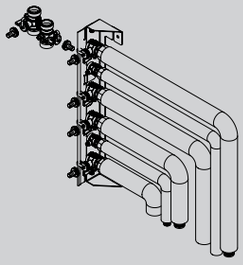
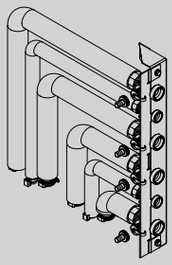
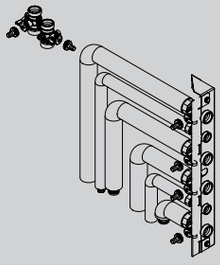
Accessories		
Accessories		MG WX
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06225 **434,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06062 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06226 **434,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06063 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06227 **434,–**	Part no. **Euro**

Accessories

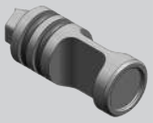
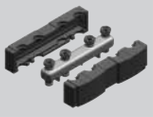
Accessories		MG WX
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation	ZK06228 **91,–**	Part no. **Euro**

Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.*	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

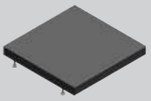
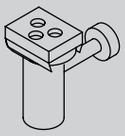
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories

Accessories

			MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**	Part no. **Euro**

Miscellaneous

Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation		7417925 **474,–**	Part no. **Euro** MG WX
Drain outlet kit Drain outlet with trap and bezel DN 40.		7176014 **35,–**	Part no. **Euro** MG W

Cooling accessories

Cooling

MG WX

Contact humidistat 24 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.

7181418
570,–

Part no.
Euro

Contact humidistat 230 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.

7452646
523,–

Part no.
Euro

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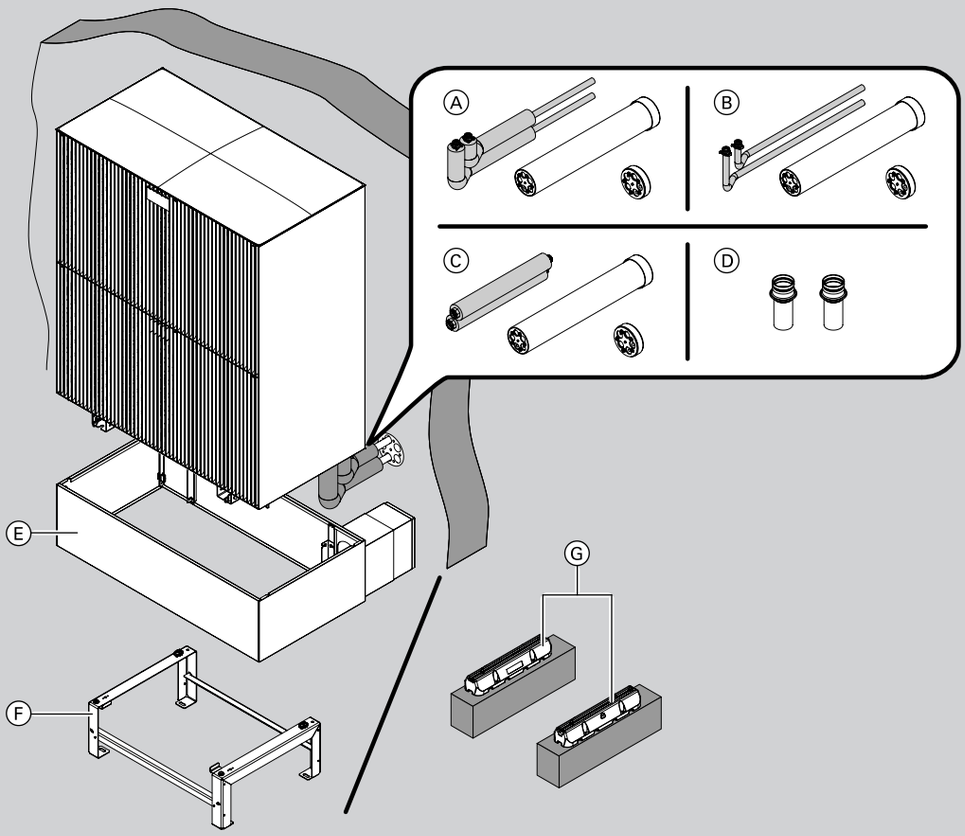
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

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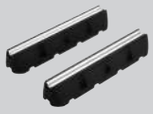
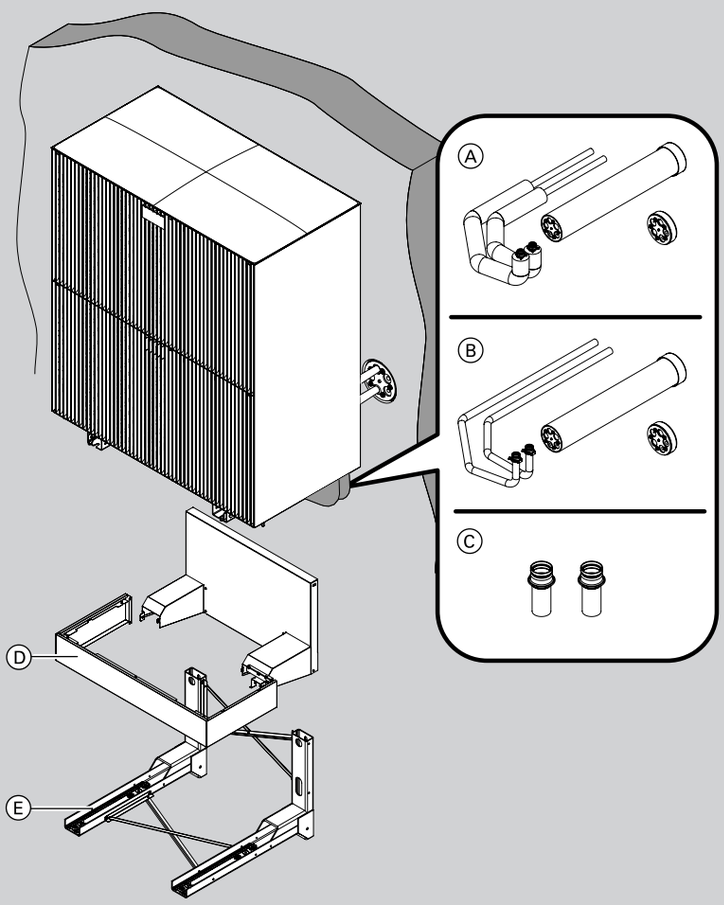
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

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Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit		MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite	ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

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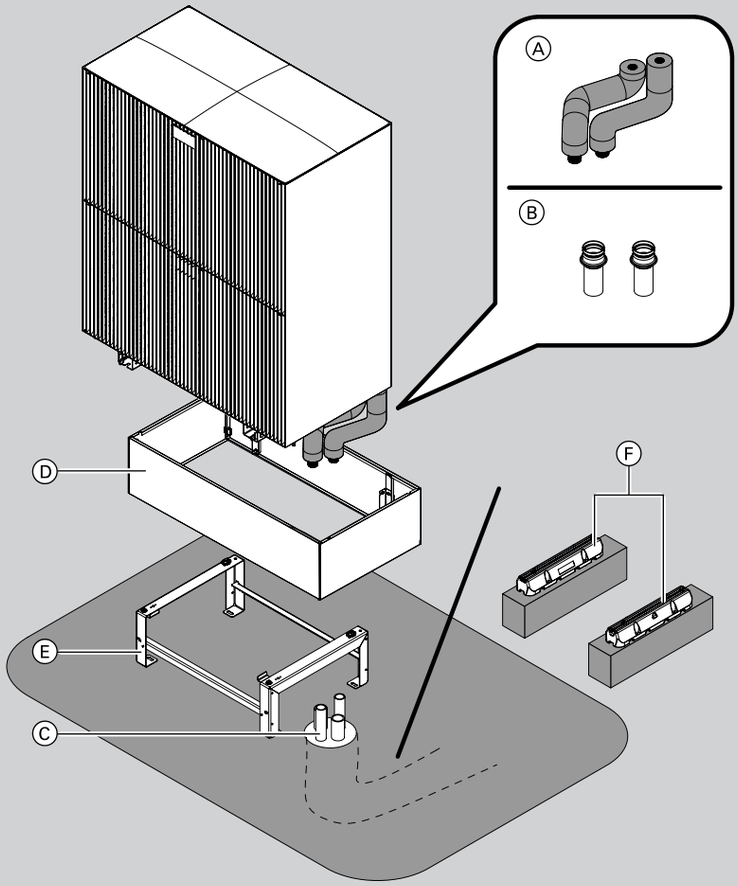
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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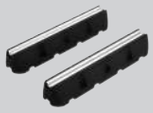
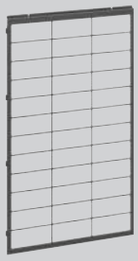
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.* *For types A4 to A8*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.* *For types A10 to A13* 	ZK06025 **350,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.16

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

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Accessories		
Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

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Accessories

Wireless accessories

MG Y

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate.
The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

Sensors

MG W

Immersion temperature sensor (NTC 10 kOhm)
- To capture the temperature in a sensor well
- With connecting lead (5.8 m long) and plug

As a cylinder temperature sensor for heating water buffer cylinders.

7438702
110,–

Part no.
Euro

Heating circuit control unit extension

MG W

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (1.5 m long)

Only in conjunction with a directly connected heating circuit without mixer.

ZK04647
131,–

Part no.
Euro

Immersion temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- With stainless steel sensor well R ½ x 200 mm

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151728
214,–

Part no.
Euro

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- Temperature limit adjustable from 30 to 80 °C

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151729
164,–

Part no.
Euro

EM-MX mixer extension kit (mixer mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers)
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug
- Plug for heating circuit pump
- Power cable and PlusBus cable with plug

Only suitable for heating mode.

Z017409
572,–

Part no.
Euro

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Accessories		
Heating circuit control unit extension		MG W
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Notes:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, visit www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 250-AH

Air source heat pumps for hybrid operation
Monoblock version
2.1 - 13.4 kW A7/W35
1.8 - 12.3 kW A2/W35

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Vitocal 250-AH

Up to 70 °C flow temperature

Type HAWO-AC-(AF) 252.A/HAWO-M-AC-(AF) 252.A
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- Heat pump module achieves maximum flow temperatures of up to 70 °C at an outside temperature of -10 °C, enabling use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Hybrid Pro Control for optimum control of the heat pump and one additional boiler
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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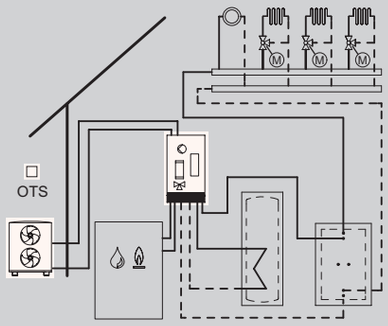
VITOCAL 250-AH

Air source heat pumps, monoblock version
Vitocal 250-AH, type HAWO-M-AC 252.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Integral control of the external heat generator via 0 to 10 V and potential-free contact
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

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Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
	HAWO-M-AC 252.A04 **230**	Z023936 **10.763,–** A++	–	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A06 **230**	–	Z023937 **11.070,–** A++	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A08 **230**	–	–	Z023938 **11.377,–** A++	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A10 **230**	–	–	–	Z023939 **13.801,–** A+++	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A13 **230**	–	–	–	–	Z023940 **14.286,–** A++		Part no. **Euro** Energy
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	54		dB(A)
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	920	920	920	920	920		mm
	Indoor unit length	360	360	360	360	360		mm
	Indoor unit weight	57	57	57	57	57		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	195		%
	Energy efficiency ηs at W55	143	141	140	152	147		%
	Rated heating output A2/W35	2.5	3.1	4.0	8.0	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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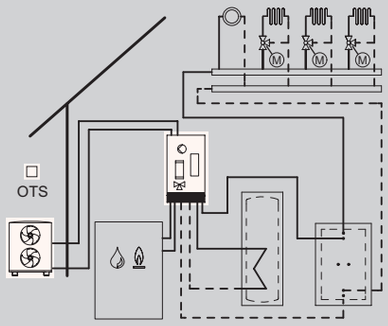
VITOCAL 250-AH

Air source heat pumps, monoblock version
Vitocal 250-AH, type HAWO-M-AC-AF 252.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Integral control of the external heat generator via 0 to 10 V and potential-free contact
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.17

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
	HAWO-M-AC-AF 252.A04 **230**	Z023945 **11.540,–** A++	–	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A06 **230**	–	Z023946 **11.882,–** A++	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A08 **230**	–	–	Z023947 **12.223,–** A++	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A10 **230**	–	–	–	Z023948 **13.941,–** A+++	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A13 **230**	–	–	–	–	Z023949 **14.478,–** A++		Part no. **Euro** Energy
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	54		dB(A)
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	920	920	920	920	920		mm
	Indoor unit length	360	360	360	370	360		mm
	Indoor unit weight	57	57	57	57	57		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	195		%
	Energy efficiency ηs at W55	143	141	140	152	147		%
	Rated heating output A2/W35	2.5	3.1	4.0	8.0	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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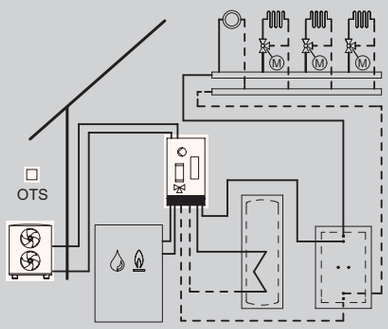
VITOCAL 250-AH

Air source heat pumps for hybrid operation, monoblock version
Vitocal 250-AH, type HAWO-AC 252.A/HAWO-AC-AF 252.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Integral control of the external heat generator via 0 to 10 V and potential-free contact
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.17

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
HAWO-AC 252.A10 **400**	Z023942 **13.971,–** A+++	**–**		Part no. **Euro** Energy
HAWO-AC-AF 252.A10 **400**	Z023951 **14.115,–** A+++	**–**		Part no. **Euro** Energy
HAWO-AC 252.A13 **400**	**–**	Z023943 **14.460,–** A++		Part no. **Euro** Energy
HAWO-AC-AF 252.A13 **400**	**–**	Z023952 **14.657,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	57	57		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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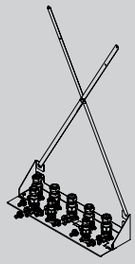
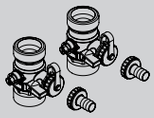
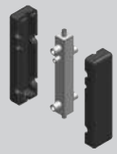
Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode* *We recommend using the ball valve set for cooling mode.* 	ZK06210 **485,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 6x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.* 	7266384 **294,–**	Part no. **Euro**
Low loss header		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**

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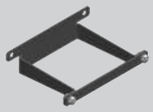
Accessories		
Low loss header		MG W
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

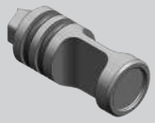
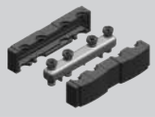
Notes:
For sizing the low loss header, please observe the technical guides.

Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	–	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	–		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	–	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	–		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		–	Part no. **Euro**

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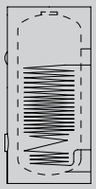
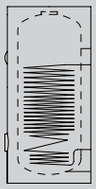
Divicon heating/cooling circuit distributor for heating and cooling mode

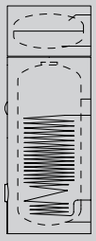
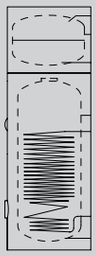
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header* 	Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.* 	Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed.	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		Z012684 **617,–**	Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z026669 **827,–**	Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation		7186663 **867,–**	Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**	Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**	Part no. **Euro** MG W

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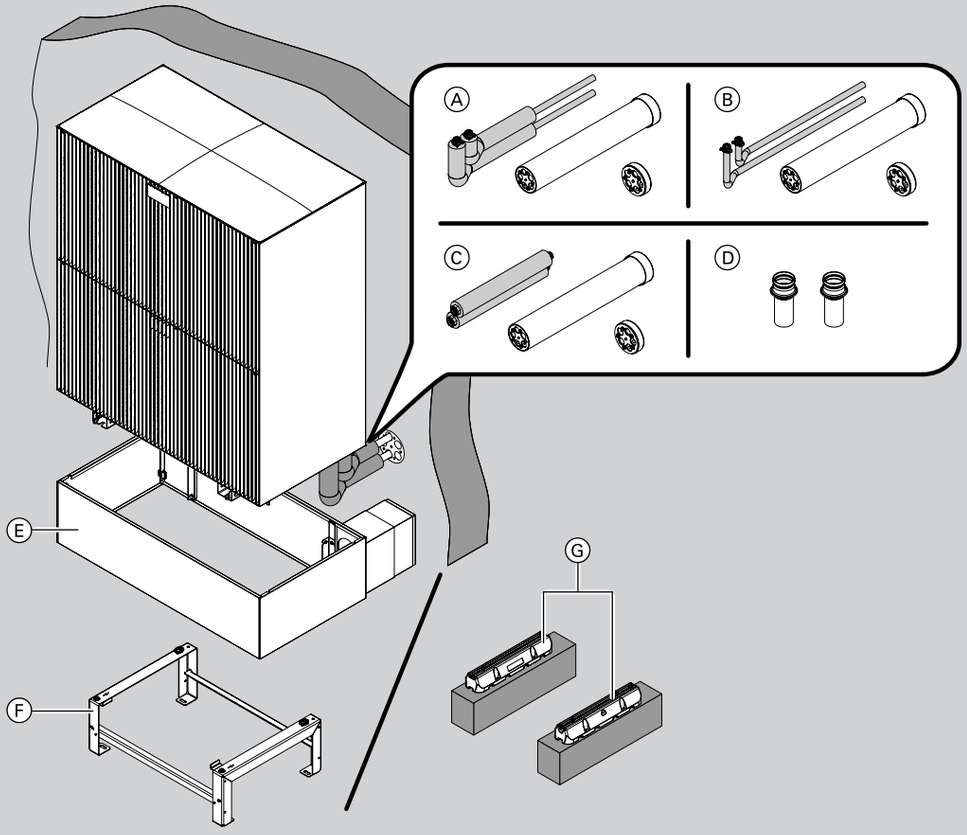
Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

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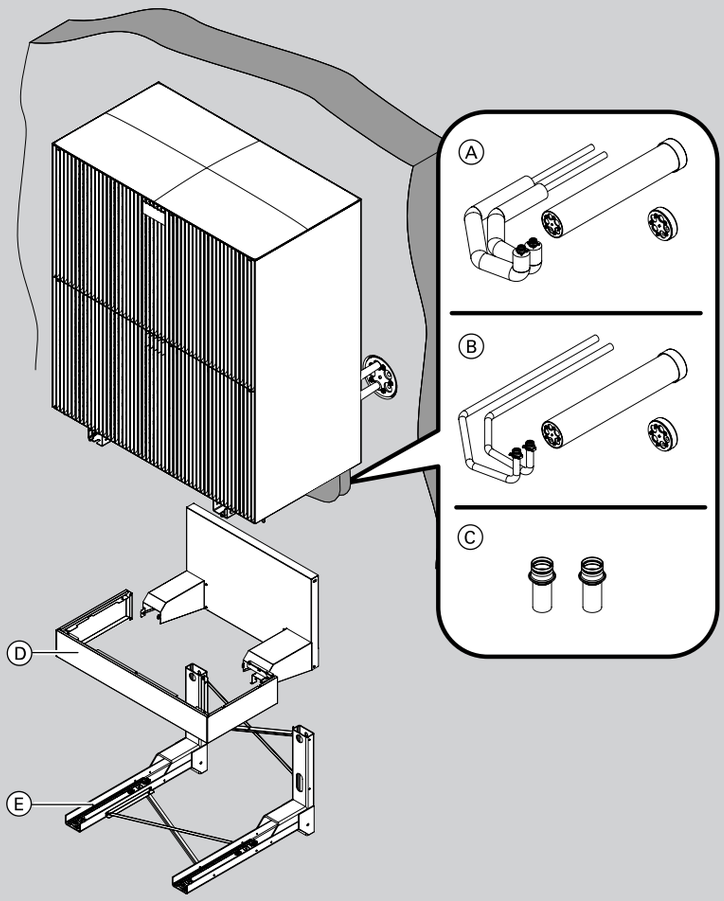
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

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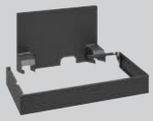
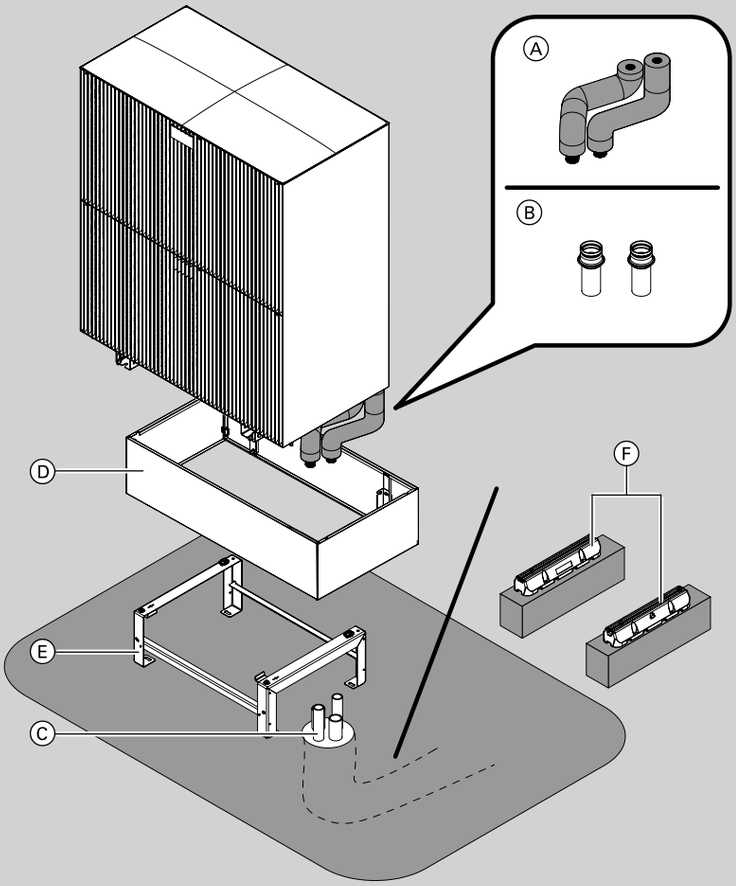
Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit		MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite		ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm		ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
► *Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	ZK06025 **350,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

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Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

Accessories

Wireless accessories

MG Y

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate.
The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–
Part no.
Euro

Sensors

MG W

Immersion temperature sensor (NTC 10 kOhm)
- To capture the temperature in a sensor well
- With connecting lead (5.8 m long) and plug

As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.

7438702
110,–
Part no.
Euro

Contact temperature sensor (NTC 10 kOhm)
- To capture a temperature on a pipe
- With connecting lead (5.8 m long) and plug

7426463
110,–
Part no.
Euro

Heating circuit control unit extension

MG W

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (1.5 m long)

Only in conjunction with a directly connected heating circuit without mixer.

ZK04647
131,–
Part no.
Euro

Immersion temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- With stainless steel sensor well R ½ x 200 mm

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151728
214,–
Part no.
Euro

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- Temperature limit adjustable from 30 to 80 °C

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151729
164,–
Part no.
Euro

6.17

Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug *Only suitable for heating mode.*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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Vitoclima 300-S **7.1**

Single split air conditioning units with DC inverter technology

Cooling capacity:	2.6 to	5.2 kW
Heating output:	3.2 to	6 kW

Viessmann's integrated range of solutions

Value added services		7
Digital services		
Connectivity and platforms		7
Products & systems	VITOCLIMA 200-S	

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VITOCLIMA 300-S

Single split air conditioning units with DC inverter technology
Rated cooling capacity 2.6 to 5.2 kW
Rated heating output 3.2 to 6.0 kW

Vitoclima 300-S

Type IW/OFAA300MHA...

Single split air conditioning units with DC inverter technology
- System comprising outdoor unit and indoor unit as wall mounted appliance
- Convenient room climate solution (heating, cooling and dehumidification via reversible operating mode and air treatment)
- Indoor unit with high efficiency heat exchanger plus passive and active air filter function
- Compact outdoor unit and indoor units with coated heat exchanger for a lastingly efficient, antibacterial operating mode and self-cleaning functions

Indoor units in white

- Low running costs due to very high SCOP/SEER and efficiency class A+++/A+++ heating and cooling
- Output control and DC inverter for high efficiency even in partial load operation
- Application range: heating down to -20 °C/cooling up to +43 °C
- Microprocessor control for monitoring and maintaining room air temperature and humidity
- Easy to use infrared remote control unit with many comfort functions
- Particularly quiet operation due to variable speed fans and sound insulation measures
- Compact indoor and outdoor units for space saving installation
- Environmentally responsible refrigerant R32 with a low GWP value (Global Warming Potential)
- Comfort functions: self-cleaning function, indoor unit sterilisation program, active cleanable IFD filter, presence and eco sensor for further comfort and energy saving functions
- Web-enabled through integral WiFi interface for system operation via app

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VITOCLIMA 300-S

Single split air conditioning units with DC inverter technology
Indoor unit as wall mounted appliance

Vitoclima 300-S	
	Vitoclima 300-S Complete air conditioning system comprising: ■ Indoor unit as wall mounted appliance ■ Outdoor unit ■ Remote control Functions: ■ Self clean – indoor unit self-cleaning function ■ Self hygiene – indoor unit sterilisation program for disinfecting the heat exchanger surfaces and silver nanoparticles on the surfaces in contact with air ■ IFD filter – dielectric, active and cleanable filter against e.g. fine dust, bacteria and viruses ■ 3D swing – for optimum air flow, adapted for heating and cooling operation ■ Eco sensor – for maximum comfort and energy savings, e.g. presence and light detection as well as smart heating and cooling functions ■ Web-enabled through integral WiFi interface for operation via app

7.1

Standard delivery/equipment level:

Complete air conditioning unit, comprising indoor and outdoor unit

Indoor unit
- Integral high performance evaporator
- Integral electronic control unit
- Integral motorised air outlet
- With cleanable electrostatic high performance IFD air filter
- Evaporator and condenser with antibacterial coating
- Remote control (IR LCD)

Outdoor unit
- With factory-filled refrigerant R32, flanged connections, inverter-controlled, noise attenuated rotating piston compressor, 4-way valve and electronic expansion valve

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	Type	Colour	Rated cooling capacity at operating point A35/A27 and/or rated heating output at operating point A7/A20				MG WU
			2,6 3,2	3,5 4,2	5,2 6,0		
	IW/OFAA300MHA026	white	Z025386 **1.135,–**	**–**	**–**		Part no. **Euro**
	IW/OFAA300MHA035	white	**–**	Z025387 **1.187,–**	**–**		Part no. **Euro**
	IW/OFAA300MHA052	white	**–**	**–**	Z025388 **1.486,–**		Part no. **Euro**

Specification						
Cooling capacity range		1.0 - 4.0	1.0 - 4.0	1.4 - 6.0		kW
Heating output range		1.1 - 5.4	1.3 - 5.8	1.4 - 6.9		kW
Coefficient of performance (COP)		4,8	4,7	4,0		
Seasonal coefficient of performance LT (SCOP) warm		6,2	6,2	5,6		
Seasonal energy efficiency ratio (SEER) cool		8,8	8,8	7,5		
Sound pressure level, min. heat load		15	16	28		
Sound pressure level, max. heat load		36	37	41		
Indoor unit width		923	923	1050		mm
Indoor unit length		215	215	235		mm
Indoor unit height		320	320	350		mm
Indoor unit weight		12	12	15		kg
Outdoor unit width		800	800	820		mm
Outdoor unit length		275	275	338		mm
Outdoor unit height		553	553	614		mm
Outdoor unit weight		30	30	46		kg
Dimension, suction line		10	10	12		Ø mm
Dimension, liquid line		6	6	6		Ø mm

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation 6 × 1 mm and 10 × 1 mm. **Double pipe** in SF copper (EN 12735-1) for flanged or solder fittings Colour of thermal insulation: white. 20 m coil.	7249271 **641,–**	Part no. **Euro**
Copper pipe with thermal insulation 6 × 1 mm and 12 × 1 mm. **Double pipe** in SF copper (EN 12735-1) for flanged or solder fittings Colour of thermal insulation: white. 20 m coil.	7249270 **734,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive To cover uninsulated components and joints	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts required per connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249279 **136,–**	Part no. **Euro**

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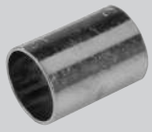
Accessories		
Connecting elements		MG WU
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249283 **68,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce Spare seal rings for Euro flanged adaptors	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce Spare seal rings for Euro flanged adaptors	7249290 **8,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce Spare seal rings for Euro flanged adaptors	7249291 **11,10**	Part no. **Euro**
Copper female solder connections For connecting copper pipes 		
Copper female solder connection 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper female solder connection 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper female solder connection 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WU
Copper sealing cap 7/16 10 pce For sealing unused connections. Can only be used in conjunction with the corresponding flanged union nut	7249292 **5,20**	Part no. **Euro**
Copper sealing cap 5/8 10 pce For sealing unused connections. Can only be used in conjunction with the corresponding flanged union nut	7249293 **5,50**	Part no. **Euro**
Copper sealing cap 3/4 10 pce For sealing unused connections. Can only be used in conjunction with the corresponding flanged union nut	7249294 **8,–**	Part no. **Euro**
Condensate drain pipe		MG WU
Condensate pump 8 m head. With duct for surface mounting colour: white.	7249295 **378,–**	Part no. **Euro**
Condensate pump 6 m head For installation in a flush mounted duct.	7249298 **331,–**	Part no. **Euro**
Non-return valve For condensate drain. To prevent the return of condensate at high delivery heads	7249311 **22,–**	Part no. **Euro**
Condensate hose for outdoor unit For condensate drainage ■ Ø 16 mm, 30 m roll.	7249302 **100,–**	Part no. **Euro**
Flush mounted installation box For condensate pump, condensate hose, power cables, etc.	7249303 **34,–**	Part no. **Euro**
Supports for outdoor unit		MG WX
Anti-vibration base ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm	ZK06012 **77,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit ■ Made of aluminium profiles, height 300 mm, length 630 mm ■ For positioning on level ground ■ 2 pce	7441142 **144,–**	Part no. **Euro**

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Accessories		
Supports for outdoor unit		MG WU
Bracket set for mounting the outdoor unit on a wall ■ Projection 560 mm, max. load 100 kg. ■ Wall rail and adjustable brackets with end caps, zinc-plated ■ 4 anti-vibration mounts 42 × 10.5 mm. 	7249301 **137,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 litre spray bottle for cleaning the condenser	7249304 **41,–**	Part no. **Euro**
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

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Electric boiler

Vitotron 100 4.0 to 24.0 kW **6.1**

Viessmann's integrated range of solutions

Value added services	
Digital services	
Connectivity and platforms	
Products & systems	VITOTRON 100

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Vitotron 100

Type VLN3, for room temperature-dependent mode
Type VMN3, for weather-compensated mode

Electric boiler
- With integral instantaneous water heater
- With integral diaphragm expansion vessel (5 l)

With a maximum heating output of either:
- 4, 6 and 8 kW

or
- 12, 16, 20 and 24 kW

Permissible boiler operating pressure: 3 bar (0.3 MPa)

- True electrical efficiency 99.4 %
- Easy to use control unit
- With option to connect to up to 8 heating circuits with mixer (accessories required)
- Hydraulic connections at the bottom
- Power saving, high efficiency circulation pump
- Type VMN3: with integral parameterisable multifunctional input, e.g. for use with a photovoltaic system in conjunction with a heating water buffer cylinder

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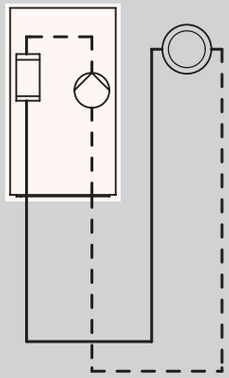
VITOTRON 100

Electric boiler
for room heating

		Rated heating output range (kW)		MG F
		4.0 - 8.0	12.0 - 24.0	
	VLN = room temperature-dependent control ■ Integral PWM high efficiency circulation pump ■ Integral diaphragm expansion vessel (5 litres) ■ Manual setting of the flow temperature ■ DHW heating via integral control unit ■ Programming of thermal DHW disinfection ■ 230 V output with integral time switch for the DHW circulation pump	Z020841 **908,–**	Z020842 **970,–**	Part no. **Euro**

Specification				
Product type		VLN3-08	VLN3-24	
Rated voltage		230 V / 400 V	400	V
Setting range		20 - 85	20 - 85	°C
Max. flow temperature		85	85	°C
Max. permissible operating pressure		3	3	bar
Depth		235	235	mm
Width		316	316	mm
Height		716	716	mm
Weight		21	21	kg
Connection		G ¾ fem.	G ¾ fem.	Ø
Expansion vessel capacity		5	5	l
IP rating		IP 22	IP 22	
Possible no. of heating circuits		8	8	

Please note:
■ The rated heating output is adjustable in stages (4/6/8 kW or 12/16/20/24 kW)
■ For further specifications, see technical guides

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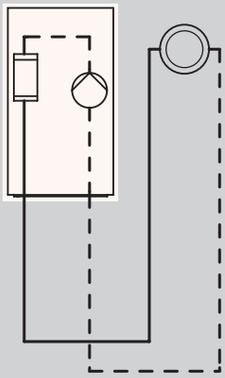
		Rated heating output range (kW)		
		4.0 - 8.0	12.0 - 24.0	MG F
	VMN = weather-compensated control ■ The flow temperature is either controlled by manual settings or is subject to weather-compensated control ■ Integral PWM high efficiency circulation pump ■ Integral diaphragm expansion vessel (5 litres) ■ Manual setting of the flow temperature ■ DHW heating via integral control unit ■ Programming of thermal DHW disinfection ■ 230 V output with integral time switch for the DHW circulation pump	Z020839 **940,–**	Z020840 **1.041,–**	Part no. **Euro**

Specification				
Product type		VMN3-08	VMN3-24	
Rated voltage		230 V / 400 V	400	V
Setting range		20 - 85	20 - 85	°C
Max. flow temperature		85	85	°C
Max. permissible operating pressure		3	3	bar
Depth		235	235	mm
Width		316	316	mm
Height		716	716	mm
Weight		21	21	kg
Connection		G ¾ fem.	G ¾ fem.	Ø
Expansion vessel capacity		5	5	l
IP rating		IP 22	IP 22	
Possible no. of heating circuits		8	8	

Please note:
■ The rated heating output is adjustable in stages (4/6/8 kW or 12/16/20/24 kW)
■ For further specifications, see technical guides

Accessories		
Function extensions		MG W
Mixer extension kit (Vitotron heating circuit controller) For 1 heating circuit with mixer and heating circuit pump. With connections for: ■ 1 heating circuit pump ■ 1 3-way valve ■ 1 heating circuit temperature sensor (in standard delivery)	ZK05257 **123,–**	Part no. **Euro**
Sensors		MG W
Cylinder temperature sensor For capturing the temperature in a floorstanding cylinder, with 5 m connecting lead	ZK05258 **31,–**	Part no. **Euro**

Vitosol 200-FM	Flat-plate collectors for above roof installation Type SV2F, SH2F	**9.2**
Vitosol 141-FM **DHW solar package**	System for solar DHW heating Comprising: – Vitosol 100-FM flat-plate collectors Type SVKF for above roof installation – Vitocell 100-B/-W, type CVBA with 250 litre capacity	**9.1**
Vitosol 300-TM	Vacuum tube collectors Type SP3C	**9.3**
Accessories for Vitosol	Hydraulic accessories	**9.4**
Control units for solar thermal systems Solar control module and Vitosolic 100/200		**9.5**

DHW cylinders for solar thermal systems
► See Register 10

Viessmann's integrated range of solutions

Value added services	
Digital services	
Connectivity and platforms	
Products & systems	**VITOSOL 300-TM** **VITOSOL 200-FM** **VITOSOL 141-FM**

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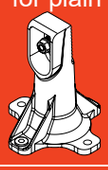
Solar thermal
Methods of fixing

Types of installation/ fixing systems	Collector type	
	Vertical	**Horizontal**
Above roof installation		
- With rafter hooks for standard roof tile cover	Vitosol 200-FM, type SV2F (Vitosol 141-FM) Vitosol 300-TM, type SP3C	Vitosol 200-FM, type SH2F Vitosol 300-TM, type SP3C
- With rafter flange for plain tile and slate roof cover 		
Balcony and façade installation		
- Façade/balcony	Vitosol 300-TM, type SP3C	
- Façade, on collector supports		Vitosol 200-FM, type SH2F
Flat roof installation		
- On collector supports with variable installation angle	Vitosol 200-FM, type SV2F Vitosol 300-TM, type SP3C	Vitosol 200-FM, type SH2F
- On collector supports with fixed installation angle	Vitosol 200-FM, type SV2F Vitosol 300-TM, type SP3C	Vitosol 200-FM, type SH2F
- Horizontal	Vitosol 300-TM, type SP3C	

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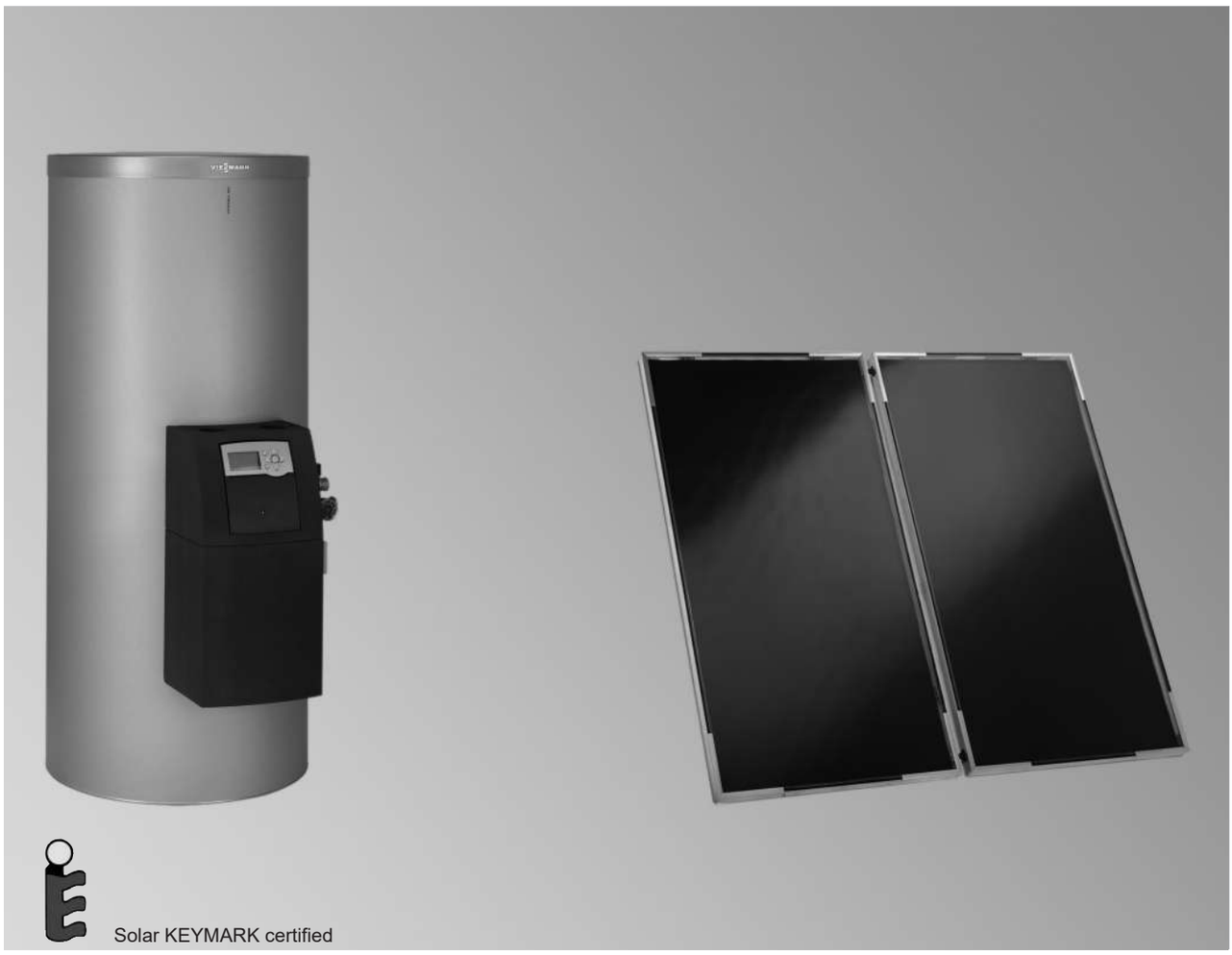
VITOSOL 141-FM

Solar package for heating DHW
with solar energy, with dual mode DHW cylinder, incl. Solar-Divicon,
solar control unit, solar collectors and solar components



Vitosol 141-FM

Vitocell 100-B/-W, type CVBA
Floorstanding steel DHW cylinder with Ceraprotect enamel coating and two indirect coils, for heating by solar collectors and reheating by a boiler, incl. prefitted Solar-Divicon with electronics module, SDIO/SM1A or Vitosolic 100 type SD1.

Vitosol 100-FM, type SVKF/SVKG
Flat-plate collectors optimised for the application area with ThermProtect automatic temperature-dependent shutdown.
For vertical above roof installation or roof integration (dark blue flashing frame).

By combining solar thermal with a heat generator, **energy efficiency class A+** (as a system label) can generally be achieved for the overall heating system.

- Standard DHW solar package with components tailored to heating DHW with solar energy.
- Space optimised flat-plate collectors with ThermProtect automatic temperature-dependent shutdown for a vapour-free and fail-safe solar thermal system.
- Dual mode DHW cylinder fully equipped for quick and easy connection to the solar thermal system.
- Corrosion-resistant steel cylinder with Ceraprotect enamel coating. Additional cathodic protection via protective magnesium anode; impressed current anode available as an accessory.
- Straightforward and quick to install, as fill, vent and shut-off valves and a solar control unit are integrated in the Solar-Divicon which is already mounted on the cylinder.
- Low heat losses through highly effective, all-round thermal insulation.
- Immersion heater can be supplied upon request.
- Clearly defined application area: solar thermal system for solar DHW heating with two solar collectors.

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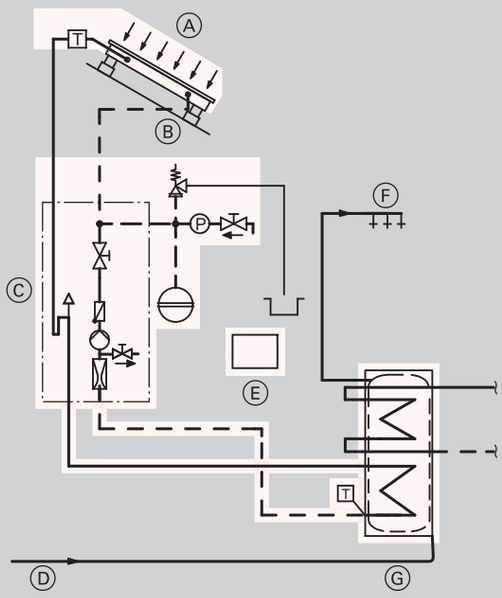
VITOSOL 141-FM

- Vitosol 100-FM, type SVKF/SVKG
- Vitocell 100-B/-W, type CVBA fitted Solar-Divicon
- and **SDIO/SM1A electronics module SM1A** (in conjunction with Viessmann control units)



Ordering information
Fixing system Ⓑ for fitting the collector on the roof is **not** included in the standard pack delivery and must be ordered separately. Please refer to "Fixing system".

Ⓐ Solar collectors
Ⓑ Fixing system (above roof installation/roof integration)
Ⓒ Solar-Divicon (part of the DHW cylinder)
Ⓓ Cold water
Ⓔ Electronics module, type SDIO/SM1A (part of the DHW cylinder)
Ⓕ DHW
Ⓖ Dual mode DHW cylinder

Selectable components				MG WP
Type	**Number of collectors Gross area Installation**	**Cylinder capacity Cylinder name Colour**		
SVKF	2/4.36 m² Above roof installation	250 l Vitocell 100-B Silver	SK07047 **3.359,–**	Part no. **Euro**
SVKF	2/4.36 m² Above roof installation	250 l Vitocell 100-W Vitopearlwhite	SK07365 **3.103,–**	Part no. **Euro**
SVKG	2/4.46 m² Roof integration	250 l Vitocell 100-B Silver	SK07049 **3.504,–**	Part no. **Euro**
SVKG	2/4.46 m²	250 l Vitocell 100-W Vitopearlwhite	SK07367 **4.524,–**	Part no. **Euro**

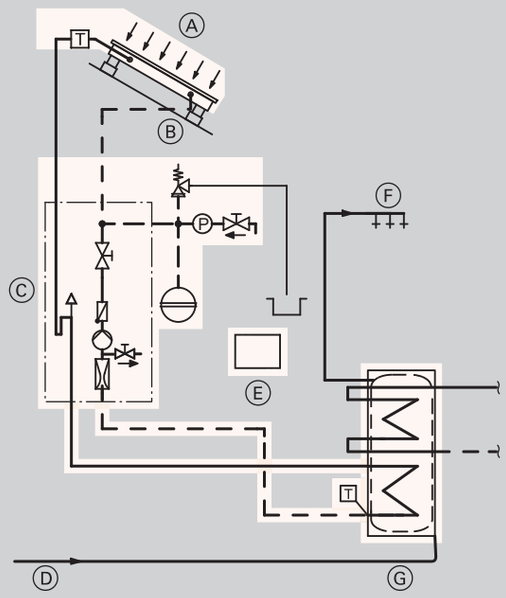
Notes:
The collectors can be used for an installation height of up to 20 m. In systems taller than this, an 8 bar safety valve must be installed in the solar circuit (see "Accessories").

Standard delivery Vitosol 141-FM:

- Two Vitosol 100-FM, type SVKF/SVKG, flat-plate collectors with connection set including connection lines and collector temperature sensor
- Vitocell 100-B/-W, type CVBA dual mode DHW cylinder with prefitted Solar-Divicon, incl. variable speed high efficiency circulation pump for the solar circuit, electronics module SDIO/SM1A, air separator and fill valves
- Solar expansion vessel (18 litres)

Check this is sized appropriately by referring to the technical guide.

- Heat transfer medium (20 l)



Ordering information
Fixing system Ⓑ for fitting the collector on the roof is **not** included in the standard pack delivery and must be ordered separately. Please refer to "Fixing system".

Ⓐ Solar collectors
Ⓑ Fixing system (above roof installation/roof integration)
Ⓒ Solar-Divicon (part of the DHW cylinder)
Ⓓ Cold water
Ⓔ Vitosolic 100, type SD1 (part of the DHW cylinder)
Ⓕ DHW
Ⓖ Dual mode DHW cylinder

Selectable components				MG WP
Type	**Number of collectors Gross area Installation**	**Cylinder capacity Cylinder name Colour**		
SVKF	2/4.36 m² Above roof installation	250 l Vitocell 100-B Silver	SK05699 **3.357,–**	Part no. **Euro**
SVKF	2/4.36 m² Above roof installation	250 l Vitocell 100-W Vitopearlwhite	SK07366 **3.172,–**	Part no. **Euro**
SVKG	2/4.46 m² Roof integration	250 l Vitocell 100-B Silver	SK05701 **3.504,–**	Part no. **Euro**
SVKG	2/4.46 m² Roof integration	250 l Vitocell 100-W Vitopearlwhite	SK07368 **4.632,–**	Part no. **Euro**

Notes:
The collectors can be used for an installation height of up to 20 m. In systems taller than this, an 8 bar safety valve must be installed in the solar circuit (see "Accessories").

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Standard delivery Vitosol 141-FM:

- Two Vitosol 100-FM, type SVKF/SVKG, flat-plate collectors with connection set including connection lines and collector temperature sensor
- Vitocell 100-B/-W, type CVBA dual mode DHW cylinder with prefitted Solar-Divicon, incl. variable speed high efficiency circulation pump for the solar circuit, Vitosolic 100, type SD1, air separator and fill valve
- Solar expansion vessel (18 litres)

Check this is sized appropriately by referring to the technical guide.

- Heat transfer medium (20 l)

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VITOSOL 141-FM

Specification

Specification Vitosol 100-FM Individual collector	Type SVKF	SVKG		
Gross area	2.18	2.23		m²
Absorber area	2.01	2.01		m²
Aperture area, flat-plate collector	2.02	2.02		m²
Width	1056	1070		mm
Height	2066	2080		mm
Depth	73	73		mm
Weight	37	37		kg

Specification Vitocell 100-B/-W Incl. Solar-Divicon	Type CVBA		
Cylinder capacity	250		l
Width	860		mm
Length	631		mm
Height	1485		mm
Weight	124		kg
Energy efficiency class, cylinder	C		

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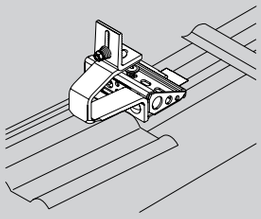
Rafter hook or rafter flange installation kits for 2 collectors

Above roof installation kits

Rafter hook fixing system (standard tiled roof cover)
Comprising:
- Rafter hook
- Screws for securing to rafter
- Support bracket (for roofs with counter battens)
- Mounting rails and fixing elements

For standard tiled roof cover. No roof tile opening required. For installation on roofs without counter battens or support brackets.



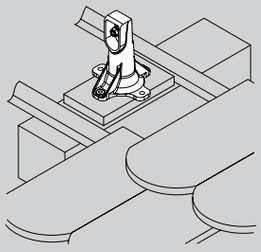
Above roof installation for standard roof tiles

		MG WO
Fixing kit (with rafter hooks) For **standard tiled** roof cover **without** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012919 **246,–**	Part no. **Euro**
Fixing kit (with rafter hooks) For **standard tiled** roof cover **with** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012920 **250,–**	Part no. **Euro**

Above roof installation kits

Rafter flange fixing system (plain tile and slate roof cover)
Comprising:
- Rafter flange
- Flashing (black or terracotta)
- Screws for securing to rafter
- Mounting rails and fixing elements

For plain tile and slate roof cover.



Above roof installation for slate

		MG WO
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012961 **338,–**	Part no. **Euro**

Above roof installation for plain tiles

		MG WO
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012962 **338,–**	Part no. **Euro**

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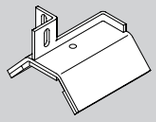
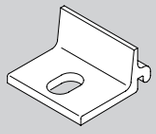
VITOSOL 141-FM

Fixing system for **above roof installation**

Above roof installation for corrugated sheet roofs		
Roof tie fixing system (corrugated sheet roof) Comprising: ■ Roof tie for corrugated sheet roof (profile 5/6 or 8) ■ Mounting rails and fixing elements For corrugated sheet roofs, provide screws and ensure the roof tightness on site. 		
Above roof installation for corrugated sheet roofs		MG WO
Fixing kit For **corrugated sheet** roof cover profile 5 and 6 (for pitched roofs).	Z011899 **173,–**	Part no. **Euro**
Fixing kit For **corrugated sheet** roof cover profile 8 (for pitched roofs).	Z011900 **173,–**	Part no. **Euro**
Above roof installation for sheet steel roofs		
Mounting bracket fixing system (sheet metal roof) Comprising: ■ Mounting brackets for sheet metal roofs ■ Mounting rails and fixing elements For sheet metal roofs, provide screws and ensure the roof tightness on site. 		
Above roof installation for sheet steel roofs		MG WO
Fixing kit For mounting **with mounting brackets** and on-site fixings, e.g. for on-site installation on sheet metal roofs (for pitched roofs).	Z011886 **129,–**	Part no. **Euro**

Accessories		
Solar safety valve (8 bar) ■ For use in solar thermal systems with Vitosol-FM/-TM collectors and **system heights** of 20 m and above ■ For installation in Solar-Divicon, type PS10 (replaces integral 6 bar safety valve) ■ ½ x ¾ (female) *Required for installation heights over 20 m.*	ZK02581 **42,–**	Part no. **Euro** **MG WO**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro** **MG W**
Circulation pump for cylinder heating For boilers up to 40 kW. ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172611 **460,–**	Part no. **Euro** **MG W**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	Part no. **Euro** **MG W**
Temperature controller ■ With a thermostatic system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**	Part no. **Euro** **MG W**
Thermostatic DHW circulation set For integration in domestic hot water systems **with** DHW circulation pipe. ■ Automatic thermostatic mixing valve ■ Setting range: 35 to 60 °C ■ Integral non-return valves ■ Threaded connection R ¾ ■ Thermal insulation	ZK01284 **337,–**	Part no. **Euro** **MG W**
Automatic thermostatic mixing valve For integration in hot water systems **without** DHW circulation pipe ■ Setting range: 35 to 60 °C ■ Threaded connection G 1, flat gasket	7438940 **85,–**	Part no. **Euro** **MG W**

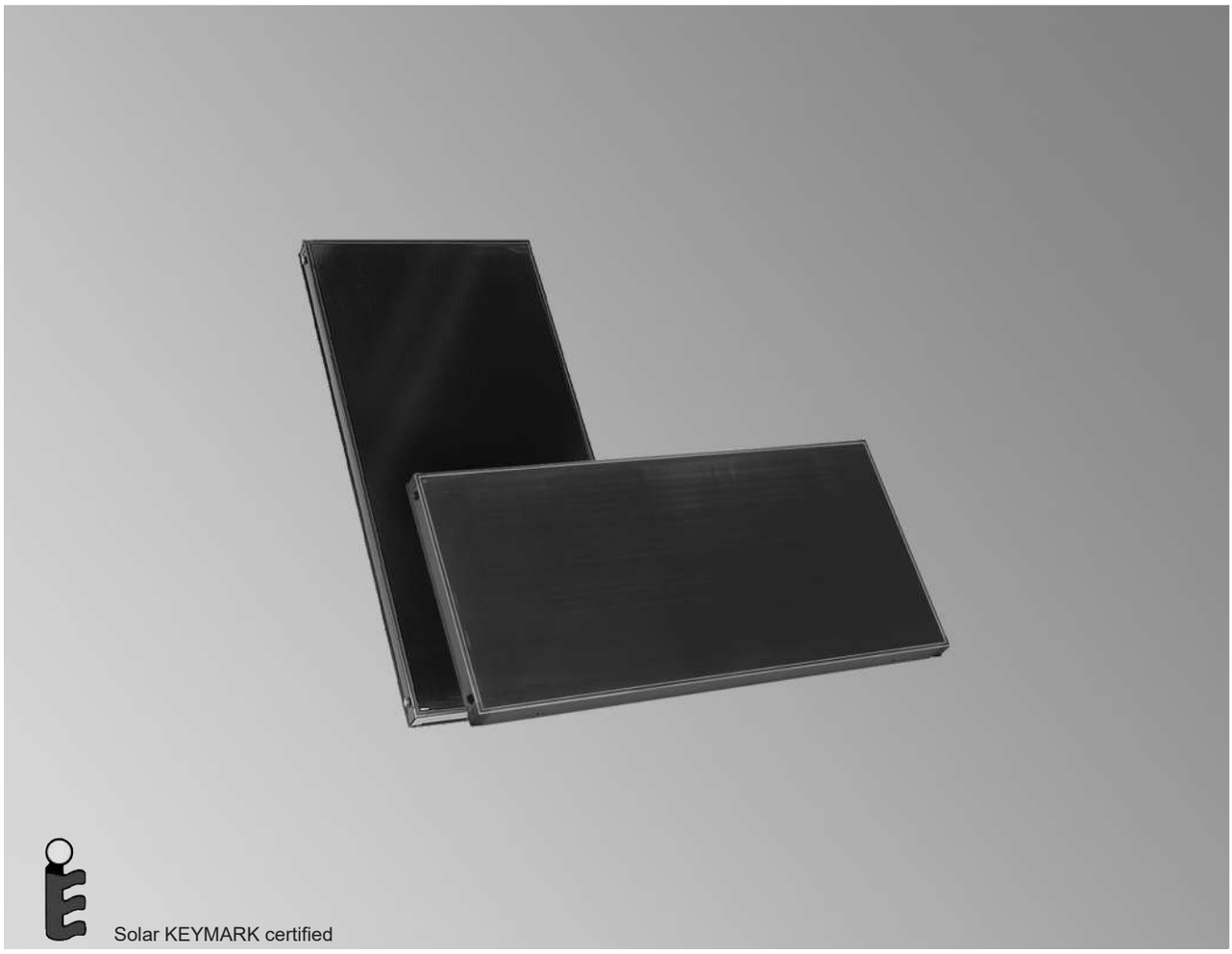
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug In conjunction with SDIO/SM1A electronics module.	7438702 **110,–**	Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) With connecting lead (3.8 m long), without plug. For installation in the DHW cylinder, heating water buffer cylinder, combi cylinder. In conjunction with the Vitosolic 100, type SD1.	7426247 **105,–**	Part no. **Euro** **MG WO**

9.1

Immersion heater		MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³). For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller 	Z012684 **617,–**	Part no. **Euro**
Miscellaneous		MG W
Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	Part no. **Euro**
Heat meter		MG WO
Heat meter For solar thermal systems with heat transfer medium "Tyfocor LS", for **fitting to the Vitocell 100-B/-W, type CVBA** in conjunction with the Solar-Divicon. ■ Capture of flow and return temperatures ■ Capture of flow rate, nominal flow rate 1.5 m³/h ■ Indication of energy amount, heating output, flow rate, flow and return temperatures	Z013683 **709,–**	Part no. **Euro**

VITOSOL 200-FM

Flat-plate collectors
for above roof and flat roof installation



Solar KEYMARK certified

Vitosol 200-FM

Flat-plate collectors
Type SV2F and SH2F

For heating DHW, heating water and swimming pool water via a heat exchanger.

- For vertical or horizontal installation
- For installation on pitched roofs (above roof installation)
- For flat roof and freestanding installation (on collector supports)
- For installation on walls with type SH1F and SH2F

Pressure rating up to 6 bar (0.6 MPa).

By combining solar thermal with a heat generator, **energy efficiency class A+** (as a system label) can generally be achieved for the overall heating system.

- Powerful flat-plate collectors for above roof and flat roof installation with ThermProtect automatic temperature-dependent shutdown for a vapour-free, fail-safe solar thermal system.
- Absorber designed with meander layout with integral headers. Up to 12 collectors can be linked in parallel.
- Vitosol 200-FM: attractive collector design; frame in dark blue. On request, the frame is also available in any other RAL colour.
- The absorber with selective coating, the stable, highly transparent cover made from special glass, and the highly effective thermal insulation ensure excellent solar yields.
- Permanently sealed and highly stable thanks to all-round folded aluminium frame.
- Puncture-proof and corrosion-resistant back panel.
- Easy to install Viessmann fixing system; standardised for all Viessmann collectors.
- Quick and reliable collector connection through flexible push-fit connectors made of corrugated stainless steel pipe.

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VITOSOL 200-FM

Individual collectors – **vertical** design
2.51 m² gross area

Solar thermal system		MG WP
Vitosol 200-FM, type SV2F Flat-plate collector (1 pce) Dark blue frame	ZK02453 **929,–**	Part no. **Euro**

Solar thermal system	Gross area (m²)								MG WO
	2.5	5	7.5	10	12.5	15	20	25	
Connection pipes (1 pair)		7248239 **37,–**							Part no./ pce **Euro ttl.**
Connection set For one collector array of up to 12 collectors arranged in **a single row** (above roof installation).	7248240 **77,–**								Part no. **Euro**
Sensor well set (One per solar thermal system)	7174993 **41,–**								Part no. **Euro**

Specification – individual collector		
Gross area	2.51	m²
Absorber area	2.31	m²
Aperture area	2.33	m²
Dimensions:		
Width	1056	mm
Height	2380	mm
Depth	90	mm
Weight	39	kg

Please note:
The collectors can be used for an installation height of up to 20 m. In systems taller than this, an 8 bar safety valve must be installed in the solar circuit (see Accessories in Register 9.4).
Notes:
- A suitable fixing system must be added to the order (see the following pages). For the selection, see the technical guide.
- Collectors in special RAL colours on request (chargeable option).
- Accessories for 7, 9, 11 or 12 collectors on request.

Individual installation parts	1	2	3	4	5	6	8	10	
Spare part set (Vitosol) Assortment of small parts that can get lost during collector installation.	7317071 **12,60**								Part no. **Euro/net** MG **N**

► *For DHW cylinders for solar thermal systems, see Register 10.*
► *For installation accessories, see Register 9.4.*
► *For control units for solar thermal systems, see Register 9.5.*

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VITOSOL 200-FM

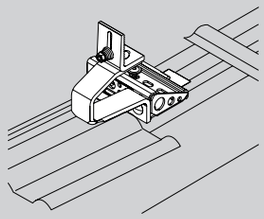
Individual collectors – **vertical** design
2.51 m² gross area
Fixing system

"Rafter hook or rafter flange" installation kits for flat-plate collectors

Above roof installation kits

Rafter hook fixing system (standard tiled roof cover)
Comprising:
- Rafter hook
- Screws for securing to the rafter.
- Support bracket (for roofs with counter battens)
- Mounting rails and fixings

For standard tiled roof cover. No roof tile opening required. For installation on roofs without counter battens or support brackets.



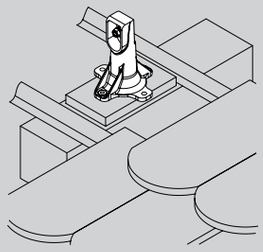
Above roof installation for standard roof tiles	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit (with rafter hook) For **standard tiled** roof cover **without** counter battens (for pitched roofs). Snow loads up to 0.75 kN/m². Wind speeds up to 150 km/h.	Z012853 **203,–**	Z012854 **279,–**	Z012855 **469,–**	Z012856 **542,–**	Z012857 **732,–**	Z012858 **805,–**	Z012859 **1.095,–**	Z012860 **1.358,–**	Part no. **Euro**
Fixing kit (with rafter hook) For **standard tiled** roof cover **with** counter battens (for pitched roofs). Snow loads up to 0.75 kN/m². Wind speeds up to 150 km/h.	Z012869 **207,–**	Z012870 **283,–**	Z012871 **477,–**	Z012872 **550,–**	Z012873 **744,–**	Z012874 **817,–**	Z012875 **1.111,–**	Z012876 **1.378,–**	Part no. **Euro**
Fixing kit (with rafter hook) For **standard tiled** roof cover **without** counter battens (for pitched roofs). Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012887 **203,–**	Z012888 **347,–**	Z012889 **537,–**	Z012890 **678,–**	Z012891 **868,–**	Z012892 **1.009,–**	Z012893 **1.435,–**	Z012894 **1.766,–**	Part no. **Euro**
Fixing kit (with rafter hook) For **standard tiled** roof cover **with** counter battens (for pitched roofs). Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012903 **207,–**	Z012904 **353,–**	Z012905 **547,–**	Z012906 **690,–**	Z012907 **884,–**	Z012908 **1.027,–**	Z012909 **1.461,–**	Z012910 **1.798,–**	Part no. **Euro**

"Rafter hook or rafter flange" installation kits for flat-plate collectors

Above roof installation kits

Rafter flange fixing system (plain tile and slate roof cover)
Comprising:
- Rafter flange
- Flashing (black or terracotta)
- Screws for securing to the rafter.
- Mounting rails and fixings

For plain tile and slate roof cover.



Above roof installation for plain tiles

Accessories required subject to the number of collectors								MG WO
1	2	3	4	5	6	8	10	
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. Snow loads up to 0.75 kN/m². Wind speeds up to 150 km/h.	Z012945 **295,–**	Z013001 **371,–**	Z013002 **653,–**	Z013003 **726,–**	Z013004 **1.008,–**	Z013005 **1.081,–**	Z013006 **1.463,–**	Z013007 **1.818,–**	Part no. **Euro**
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012945 **295,–**	Z012946 **485,–**	Z012947 **767,–**	Z012948 **954,–**	Z012949 **1.236,–**	Z012950 **1.423,–**	Z012951 **2.033,–**	Z012952 **2.502,–**	Part no. **Euro**

Above roof installation for slate

Accessories required subject to the number of collectors								MG WO
1	2	3	4	5	6	8	10	
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. Snow loads up to 0.75 kN/m². Wind speeds up to 150 km/h.	Z012929 **295,–**	Z012994 **371,–**	Z012995 **653,–**	Z012996 **726,–**	Z012997 **1.008,–**	Z012998 **1.081,–**	Z012999 **1.463,–**	Z013000 **1.818,–**	Part no. **Euro**
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012929 **295,–**	Z012930 **485,–**	Z012931 **767,–**	Z012932 **954,–**	Z012933 **1.236,–**	Z012934 **1.423,–**	Z012935 **2.033,–**	Z012936 **2.502,–**	Part no. **Euro**

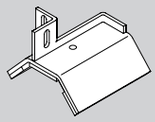
VITOSOL 200-FM

Individual collectors – **vertical** design
2.51 m² gross area
Fixing system

Above roof installation for corrugated sheet roofs

Roof tie fixing system (corrugated sheet roof)
Comprising:
- Roof tie for corrugated sheet roof (profile 5/6 or 8)
- Mounting rails and fixings

For corrugated sheet roofs, provide screws and ensure roof tightness on site.

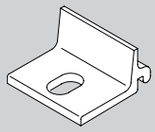


Above roof installation for corrugated sheet roofs	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For **corrugated sheet** roof cover, profile 5 and 6 (for pitched roofs).	Z008512 **106,–**	Z008513 **185,–**	Z008514 **245,–**	Z008515 **336,–**	Z008516 **425,–**	Z008517 **487,–**	Z008518 **667,–**	Z008519 **818,–**	Part no. **Euro**
Fixing kit For **corrugated sheet** roof cover, profile 8 (for pitched roofs).	Z008520 **106,–**	Z008521 **185,–**	Z008522 **245,–**	Z008523 **336,–**	Z008524 **425,–**	Z008525 **487,–**	Z008526 **667,–**	Z008527 **818,–**	Part no. **Euro**

Above roof installation for sheet metal roofs

Mounting bracket fixing system (sheet metal roof)
Comprising:
- Mounting bracket for sheet metal roofs
- Mounting rails and fixings

For sheet metal roofs, provide screws and ensure roof tightness on site.

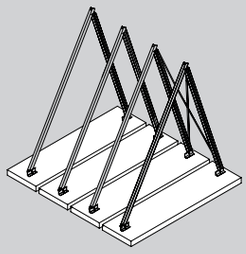


Above roof installation for sheet metal roofs	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For securing to on-site fixings, e.g. for on-site installation on sheet metal roofs (for pitched roofs).	Z008504 **77,–**	Z008505 **141,–**	Z008506 **187,–**	Z008507 **263,–**	Z008508 **337,–**	Z008509 **385,–**	Z008510 **535,–**	Z008511 **657,–**	Part no. **Euro**

"Collector support" installation kits for flat-plate collectors

Installation on collector supports

Collector support fixing system (flat roofs/substructure)
Available for installation on concrete slabs or a substructure provided on site. With fixed or variable installation angle.



Flat roof installation kits	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 25 to 60°** (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005451 **358,–**	Z005452 **710,–**	Z005453 **1.062,–**	Z005454 **1.414,–**	–				Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 30°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013123 **394,–**	Z013124 **596,–**	Z013125 **766,–**	Z013126 **968,–**	Z013127 **1.138,–**	Z013128 **1.371,–**	Z013129 **1.743,–**	Z013130 **2.115,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 45°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013131 **424,–**	Z013132 **643,–**	Z013133 **826,–**	Z013134 **1.045,–**	Z013135 **1.228,–**	Z013136 **1.478,–**	Z013137 **1.880,–**	Z013138 **2.282,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 60°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013139 **459,–**	Z013140 **672,–**	Z013141 **896,–**	Z013142 **1.109,–**	Z013143 **1.333,–**	Z013144 **1.577,–**	Z013145 **2.014,–**	Z013146 **2.451,–**	Part no. **Euro**
Collector support installation aid ■ For collector supports with an installation angle of 30°, 45° and 60° ■ The installation aid can be reused.	ZK01652 **93,–**								Part no. **Euro**

Please note:
For the installation of systems with a fixed installation angle, **the collector support installation aid** must be added to the order.

VITOSOL 200-FM

Individual collectors – **vertical** design
2.51 m² gross area
Fixing system

Accessories for above roof installation of Vitosol 200-FM

Accessories for roof installation	1	2	3	4	5	6	8	10	MG WO
Edge covers (Vitosol 200-F/200-FM) For hydraulic connections in **above roof installation**. One l.h. and one r.h. edge cover.	ZK01280 **171,–**								Part no. **Euro**
Cover strip (Vitosol 200-F/200-FM) For the gaps between collectors in **above roof installation**. Order one cover strip less than the number of collectors. (For example, 3 cover strips for 4 collectors).	ZK01281 **45,–**								Part no. **Euro**

9.2

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Solar thermal system		MG WP
Vitosol 200-FM, type SH2F Flat-plate collector (1 pce). Dark blue frame.	ZK02454 **1.094,–**	Part no. **Euro**

Solar thermal system	Gross area (m²)								MG WO
	2.5	5	7.5	10	12.5	15	20	25	
Connection pipes (1 pair)		7248239 **37,–**							Part no./ pce **Euro ttl.**
Connection set For one collector array with up to 12 collectors (above roof installation)	7248240 **77,–**								Part no. **Euro**
Sensor well set (One per solar thermal system)	7174993 **41,–**								Part no. **Euro**

Specification Individual collector		
Gross area	2.51	m²
Absorber area	2.31	m²
Aperture area	2.33	m²
Dimensions:		
Width	2380	mm
Height	1056	mm
Depth	90	mm
Weight	40	kg

Please note:
The collectors can be used for an installation height of up to 20 m. In systems taller than this, an 8 bar safety valve must be installed in the solar circuit (see Accessories in Register 9.4).
Notes:
- A suitable fixing system must be added to the order (see the following pages). For the selection, see the technical guide.
- Collectors in special RAL colours on request (chargeable option).
- Accessories for 7, 9, 11 or 12 collectors on request.

Individual installation parts	1	2	3	4	5	6	8	10	
Spare part set (Vitosol) Assortment of small parts that can get lost during collector installation.	7317071 **12,60**								Part no. **Euro/net** MG N

►*For DHW cylinders for solar thermal systems, see Register 10.*
►*For installation accessories, see Register 9.4.*
►*For control units for solar thermal systems, see Register 9.5.*

VITOSOL 200-FM

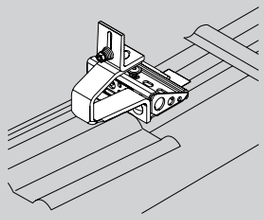
Individual collectors – **horizontal** version
2.51 m² gross area
Fixing system

"Rafter hook or rafter flange" installation kits for flat-plate collectors

Above roof installation kits

Rafter hook fixing system (standard tiled roof cover)
Comprising:
- Rafter hook
- Screws for securing to the rafter.
- Support bracket (for roofs with counter battens)
- Mounting rails and fixings

For standard tiled roof cover. No roof tile opening required. For installation on roofs without counter battens or support brackets.



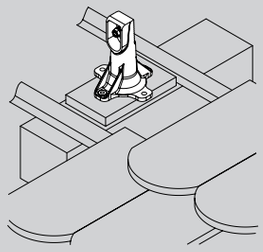
Above roof installation for standard roof tiles	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit (with rafter hook) For **standard tiled** roof cover **without** counter battens (for pitched roofs). Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012895 **240,–**	Z012896 **491,–**	Z012897 **715,–**	Z012898 **966,–**	Z012899 **1.190,–**	Z012900 **1.441,–**	Z012901 **1.943,–**	Z012902 **2.418,–**	Part no. **Euro**
Fixing kit (with rafter hook) For **standard tiled** roof cover **with** counter battens (for pitched roofs). Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	Z012911 **244,–**	Z012912 **499,–**	Z012913 **727,–**	Z012914 **982,–**	Z012915 **1.210,–**	Z012916 **1.465,–**	Z012917 **1.975,–**	Z012918 **2.458,–**	Part no. **Euro**

"Rafter hook or rafter flange" installation kits for flat-plate collectors

Above roof installation kits

Rafter flange fixing system (plain tile and slate roof cover)
Comprising:
- Rafter flange
- Flashing (black or terracotta)
- Screws for securing to the rafter.
- Mounting rails and fixings

For plain tile and slate roof cover.



Above roof installation for slate

Accessories required subject to the number of collectors								
1	2	3	4	5	6	8	10	MG WO
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.								
Z012937	Z012938	Z012939	Z012940	Z012941	Z012942	Z012943	Z012944	Part no.
332,–	**675,–**	**991,–**	**1.334,–**	**1.650,–**	**1.993,–**	**2.679,–**	**3.338,–**	**Euro**

Above roof installation for plain tiles

Accessories required subject to the number of collectors								
1	2	3	4	5	6	8	10	MG WO
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. Snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.								
Z012953	Z012954	Z012955	Z012956	Z012957	Z012958	Z012959	Z012960	Part no.
332,–	**675,–**	**991,–**	**1.334,–**	**1.650,–**	**1.993,–**	**2.679,–**	**3.338,–**	**Euro**

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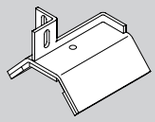
VITOSOL 200-FM

Individual collectors – **horizontal** version
2.51 m² gross area
Fixing system

Above roof installation for corrugated sheet roofs

Roof tie fixing system (corrugated sheet roof)
Comprising:
- Roof tie for corrugated sheet roof (profile 5/6 or 8)
- Mounting rails and fixings

For corrugated sheet roofs, provide screws and ensure roof tightness on site.

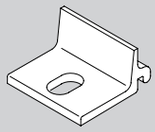


Above roof installation for corrugated sheet roofs	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For **corrugated sheet** roof cover, profile 5 and 6 (for pitched roofs).	Z008560 **158,–**	Z008561 **311,–**	Z008562 **435,–**	Z008563 **588,–**	Z008564 **741,–**	Z008565 **865,–**	Z008566 **1.171,–**	Z008567 **1.448,–**	Part no. **Euro**
Fixing kit For **corrugated sheet** roof cover, profile 8 (for pitched roofs).	Z008568 **158,–**	Z008569 **311,–**	Z008570 **435,–**	Z008571 **588,–**	Z008572 **741,–**	Z008573 **865,–**	Z008574 **1.171,–**	Z008575 **1.448,–**	Part no. **Euro**

Above roof installation for sheet metal roofs

Mounting bracket fixing system (sheet metal roof)
Comprising:
- Mounting bracket for sheet metal roofs
- Mounting rails and fixings

For sheet metal roofs, provide screws and ensure roof tightness on site.

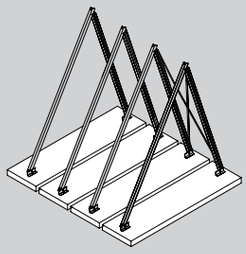


Above roof installation for sheet metal roofs	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For securing to on-site fixings, e.g. for on-site installation on sheet metal roofs (for pitched roofs).	Z008552 **129,–**	Z008553 **267,–**	Z008554 **377,–**	Z008555 **515,–**	Z008556 **653,–**	Z008557 **763,–**	Z008558 **1.039,–**	Z008559 **1.287,–**	Part no. **Euro**

"Collector support" installation kits for flat-plate collectors

Installation on collector supports

Collector support fixing system (flat roofs/substructure)
Available for installation on concrete slabs or a substructure provided on site. With fixed or variable installation angle.



Flat roof installation kits	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For supporting collectors on flat roofs for freestanding installation (on-site concrete slabs). **Installation angle 25 to 45°** (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005483 **311,–**	Z005484 **616,–**	Z005485 **921,–**	Z005486 **1.226,–**	Z005487 **1.531,–**	Z005488 **1.836,–**	Z005489 **2.481,–**	Z005490 **3.091,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation (on-site concrete slabs). **Installation angle 50 to 80°** (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005459 **349,–**	Z005460 **692,–**	Z005461 **1.035,–**	Z005462 **1.378,–**	Z005463 **1.721,–**	Z005464 **2.064,–**	Z005465 **2.785,–**	Z005466 **3.471,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 25 to 45°** (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005491 **246,–**	Z005492 **486,–**	Z005493 **726,–**	Z005494 **966,–**	Z005495 **1.206,–**	Z005496 **1.446,–**	Z005497 **1.961,–**	Z005498 **2.441,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 50 to 80°** (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005467 **284,–**	Z005468 **562,–**	Z005469 **840,–**	Z005470 **1.118,–**	Z005471 **1.396,–**	Z005472 **1.674,–**	Z005473 **2.265,–**	Z005474 **2.821,–**	Part no. **Euro**

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VITOSOL 200-FM

Individual collectors – **horizontal** version
2.51 m² gross area
Fixing system

"Collector support" installation kits for flat-plate collectors

Flat roof installation kits	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 30°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013147 **280,–**	Z013148 **428,–**	Z013149 **547,–**	Z013150 **695,–**	Z013151 **814,–**	Z013152 **993,–**	Z013153 **1.260,–**	Z013154 **1.527,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 45°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013155 **294,–**	Z013156 **445,–**	Z013157 **575,–**	Z013158 **726,–**	Z013159 **856,–**	Z013160 **1.038,–**	Z013161 **1.319,–**	Z013162 **1.600,–**	Part no. **Euro**
Fixing kit For supporting collectors on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. **Installation angle 60°**. Snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	Z013163 **283,–**	Z013164 **430,–**	Z013165 **553,–**	Z013166 **700,–**	Z013167 **823,–**	Z013168 **1.001,–**	Z013169 **1.271,–**	Z013170 **1.541,–**	Part no. **Euro**
Collector support installation aid ■ For collector supports with an installation angle of 30°, 45° and 60° ■ The installation aid can be reused.	ZK01653 **106,–**								Part no. **Euro**

Please note:
For the installation of systems with a fixed installation angle, **the collector support installation aid** must be added to the order.

9.2

Wall mounting installation kits	Accessories required subject to the number of collectors								MG WO
	1	2	3	4	5	6	8	10	
Collector support for walls Angle to wall 10 to 45° (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	Z005475 **256,–**	Z005476 **541,–**	Z005477 **826,–**	Z005478 **1.111,–**	Z005479 **1.396,–**	Z005480 **1.681,–**	Z005481 **2.251,–**	Z005482 **2.821,–**	Part no. **Euro**

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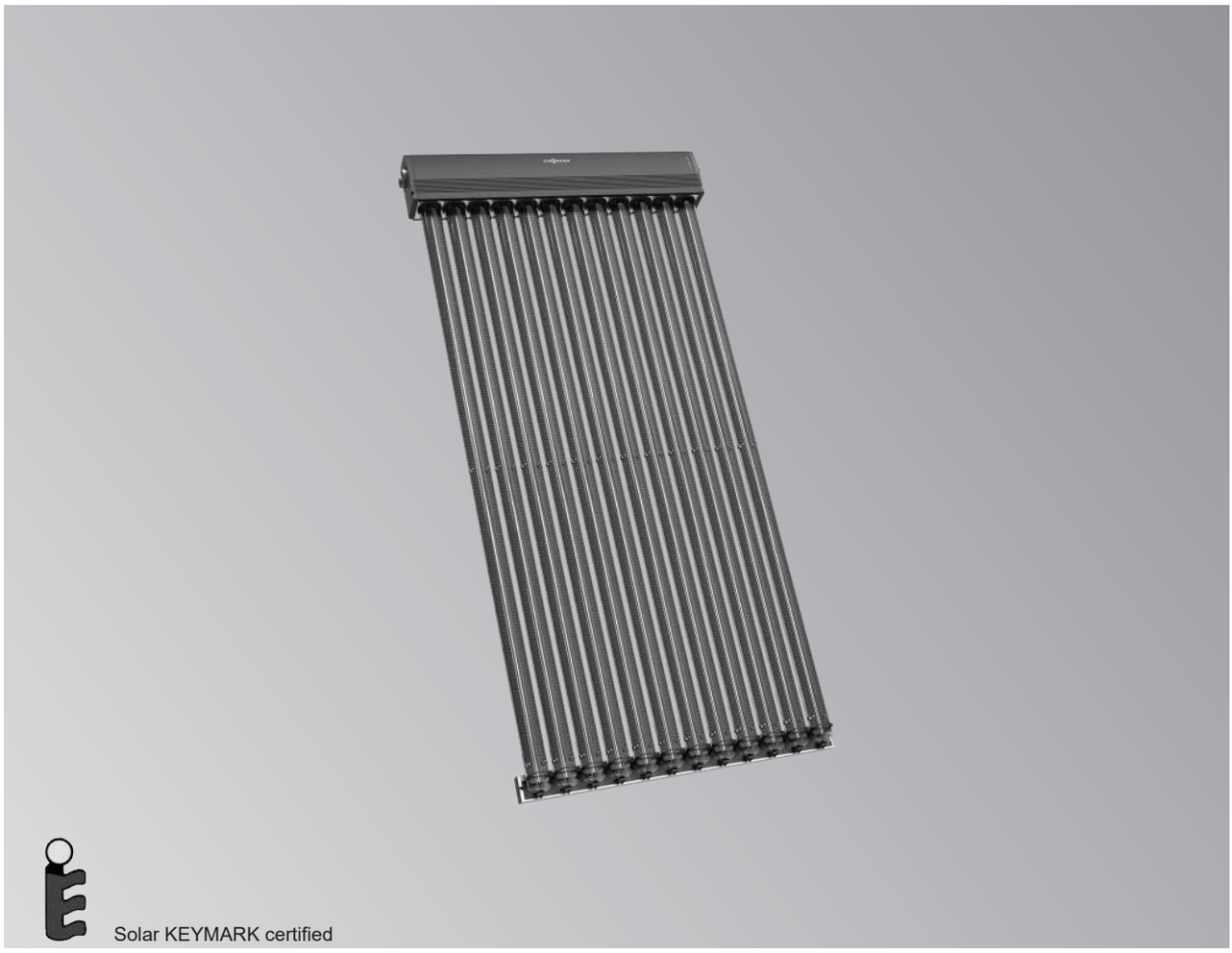
Accessories for above roof installation of Vitosol 200-FM

Accessories for roof installation	1	2	3	4	5	6	8	10	MG WO
Edge covers (Vitosol 200-F/200-FM) For hydraulic connections in **above roof installation**. One l.h. and one r.h. edge cover.	ZK01282 **192,–**								Part no. **Euro**
Cover strip (Vitosol 200-F/200-FM) For the gaps between collectors. Order one cover strip less than the number of collectors. (For example, 3 cover strips for 4 collectors).	ZK01283 **37,–**								Part no. **Euro**

VITOSOL 300-TM

Vacuum tube collector according to the heat pipe principle, for utilising solar energy



Solar KEYMARK certified

Vitosol 300-TM

Vacuum tube collector
Type SP3C (1.98 m², 2.36 m² and 4.62 m² gross area)

For DHW, central heating and swimming pool water heating via a heat exchanger plus process heat.

For installation on flat or pitched roofs, on walls and for freestanding installation.

Pressure rating up to 6 bar (0.6 MPa).

By combining solar thermal with a heat generator, **energy efficiency class A+** (as a system label) can generally be achieved for the overall heating system.

- Highly efficient vacuum tube collector based on the heat pipe principle, with ThermProtect automatic temperature-dependent shutdown for a vapour-free and fail-safe solar thermal system (high operational reliability).
- Universal application through vertical or horizontal installation in any location, either on rooftops, façades or for freestanding installation.
- Special balcony module (1.98 m² gross area) for installation on balcony railings or façades.
- The absorber surface with highly selective coating integrated into the vacuum tubes is not susceptible to contamination.
- Efficient heat transfer through condensers fully surrounded by the Duotec double pipe heat exchanger.
- Tubes can be rotated for optimum alignment with the sun, thereby maximising the energy utilisation.
- Dry connection, meaning tubes can be inserted or changed while the system is full.
- Highly effective thermal insulation of the header casing for minimum heat losses.
- Easy installation through the Viessmann assembly and connection systems.

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VITOSOL 300-TM

Individual collectors

Solar thermal system Gross area (m²)	1.98	2.36	4.62	MG WQ
Vitosol 300-TM, type SP3C 1.98 m² gross area (balcony module for horizontal installation)	SK06740 **1.224,–**	**–**		Part no. **Euro**
Vitosol 300-TM, type SP3C 2.36 m² gross area	**–**	SK06738 **1.386,–**	**–**	Part no. **Euro**
Vitosol 300-TM, type SP3C 4.62 m² gross area	**–**		SK06739 **2.686,–**	Part no. **Euro**

Specification	Gross area (m²)			
	1.98	2.36	4.62	
Gross area	1.98	2.36	4.62	m²
Absorber area	1.26	1.51	3.03	m²
Aperture area, tube collector	1.33	1.6	3.19	m²
Number of pipes	10	12	24	
Width	885	1053	2061	mm
Height	2241	2241	2241	mm
Depth	150	150	150	mm
Weight	33	39	79	kg

Accessories for connection Gross area (m²)	1.98	2.36	4.62	MG WO
Connection pipes (1 pair) To link up individual collectors. With thermal insulation and hydraulic cover.	**–**	7510993 **105,–**		Part no. **Euro**
Connection set with reversing bend With thermal insulation and reversing bend cover. For one collector array with a surface area of up to 15 m².	**–**	Z015404 **132,–**		Part no. **Euro**
Connection set with ventilation bend With thermal insulation and ventilation bend cover. For one collector array with a surface area of up to 15 m². For installation on walls or balustrades (hydraulic connection from below).	Z015405 **159,–**			Part no. **Euro**

Individual installation parts Gross area (m²)	1.98	2.36	4.62	MG W
Spare part set Assortment of small parts that can get lost during collector installation.	7514876 **12,60**			Part no. **Euro**

Notes:
The collectors can be used for an installation height of up to 20 m. In systems taller than this, an 8 bar safety valve must be installed in the solar circuit (see "Accessories" in Register 9.4).

Notes:
A suitable fixing system **must** also be ordered (see the following pages). For the selection, see the technical guide.

►*For DHW cylinders for solar thermal systems, see Register 10.*
►*For installation accessories, see Register 9.4.*
►*For control units for solar thermal systems, see Register 9.5.*

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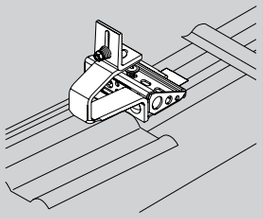
"Rafter hook/flange" installation kits for tube collectors

Above roof installation kits

Rafter hook fixing system (standard tiled roof cover)
Comprising:
- Rafter hook
- Screws for securing to rafter
- Support bracket (for roofs with counter battens)
- Mounting rails and fixing elements

For standard tiled roof cover. No roof tile opening required. For installation on roofs without counter battens or support brackets.



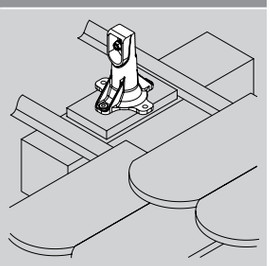
Above roof installation for standard roof tiles

The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit (with rafter hooks) For **standard tiled** roof cover **without** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK00855 **240,–**		Part no. **Euro**
Fixing kit (with rafter hooks) For **standard tiled** roof cover **with** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK00854 **244,–**		Part no. **Euro**

Above roof installation kits

Rafter flange fixing system (plain tile and slate roof cover)
Comprising:
- Rafter flange
- Flashing (black or terracotta)
- Screws for securing to rafter
- Mounting rails and fixing elements

For plain tile and slate roof cover.



Above roof installation for slate

The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK01354 **332,–**		Part no. **Euro**

Above roof installation for plain tiles

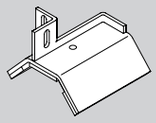
The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK01356 **332,–**		Part no. **Euro**

Individual collectors – **vertical** installation
Fixing system

Above roof installation for corrugated sheet roofs

Roof tie fixing system (corrugated sheet roof)
Comprising:
- Roof tie for corrugated sheet roof (profile 5/6 or 8)
- Mounting rails and fixing elements

For corrugated sheet roofs, provide screws and ensure the roof tightness on site.



Above roof installation for corrugated sheet roofs

The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit For **corrugated sheet** roof cover profile 5 and 6 (for pitched roofs).	ZK00590 **131,–**		Part no. **Euro**
Fixing kit For **corrugated sheet** roof cover profile 8 (for pitched roofs).	ZK00591 **131,–**		Part no. **Euro**

Flat roof installation kits

The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit For installation flat against flat roofs. - For snow loads up to 0.75 kN/m² - Wind speeds up to 150 km/h	ZK02987 **167,–**		Part no. **Euro**

9.3

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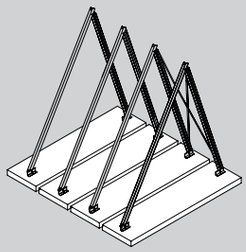
"Collector supports" installation kits for tube collectors

Installation on collector supports

Collector support fixing system (flat roofs/substructure)
Available for installation on concrete slabs or a substructure provided on site.
With fixed or variable installation angle.



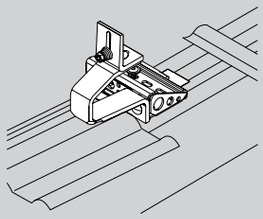
"Collector supports" installation kits for tube collectors The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit For collector supports on flat roofs for freestanding installation. Substructures, such as steel beams and concrete slabs, are to be provided on site. Installation angle 25 to 50° (in 5° increments). Snow loads up to 2.55 kN/m². Wind speeds up to 150 km/h.	7510997 **480,–**		Part no. **Euro**
Fixing kit For collector supports on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. Installation angle **30°**. For snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	ZK02984 **480,–**		Part no. **Euro**
Fixing kit For collector supports on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. Installation angle **45°**. For snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	ZK02985 **480,–**		Part no. **Euro**
Fixing kit For collector supports on flat roofs for freestanding installation on on-site substructures, e.g. steel beams. Installation angle **60°**. For snow loads up to 1.5 kN/m². Wind speeds up to 150 km/h.	ZK02986 **480,–**		Part no. **Euro**

"Rafter hook/flange" installation kits for tube collectors

Above roof installation kits

Rafter hook fixing system (standard tiled roof cover)
Comprising:
- Rafter hook
- Screws for securing to rafter
- Support bracket (for roofs with counter battens)
- Mounting rails and fixing elements

For standard tiled roof cover. No roof tile opening required. For installation on roofs without counter battens or support brackets.



Above roof installation for standard roof tiles

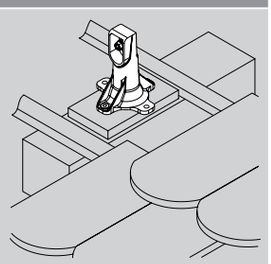
The accessories required depend on the gross area (m²)

	2.36	4.62	MG WO
Fixing kit (with rafter hooks) For **standard tiled** roof cover **without** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK00853 **265,–**		Part no. **Euro**
Fixing kit (with rafter hooks) For **standard tiled** roof cover **with** counter battens (for pitched roofs). For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK00852 **269,–**		Part no. **Euro**

Above roof installation kits

Rafter flange fixing system (plain tile and slate roof cover)
Comprising:
- Rafter flange
- Flashing (black or terracotta)
- Screws for securing to rafter
- Mounting rails and fixing elements

For plain tile and slate roof cover.



Above roof installation for slate

The accessories required depend on the gross area (m²)

	2.36	4.62	MG WO
Fixing kit (with rafter flange) For **slate** roof cover (for pitched roofs) with black flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK01355 **345,–**		Part no. **Euro**

Above roof installation for plain tiles

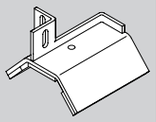
The accessories required depend on the gross area (m²)

	2.36	4.62	MG WO
Fixing kit (with rafter flange) For **plain tiled** roof cover (for pitched roofs) with red flashing. For snow loads up to 1.25 kN/m². Wind speeds up to 150 km/h.	ZK01357 **345,–**		Part no. **Euro**

Above roof installation for corrugated sheet roofs

Roof tie fixing system (corrugated sheet roof)
Comprising:
- Roof tie for corrugated sheet roof (profile 5/6 or 8)
- Mounting rails and fixing elements

For corrugated sheet roofs, provide screws and ensure the roof tightness on site.



Above roof installation for corrugated sheet roofs

The accessories required depend on the gross area (m²)	2.36	4.62	MG WO
Fixing kit For **corrugated sheet** roof cover profile 5 and 6 (for pitched roofs).	ZK00584 **197,–**		Part no. **Euro**
Fixing kit For **corrugated sheet** roof cover profile 8 (for pitched roofs).	ZK00585 **197,–**		Part no. **Euro**

"Wall/balcony" installation kits for tube collectors

		MG WO
Fixing kit - For mounting on balconies and façades *Balcony mounting only possible with collector with gross absorber area 1.98 m².*	ZK00825 **195,–**	Part no. **Euro**

Notes:
We recommend installing collectors horizontally if using the system for central heating backup.

Accessories		MG WO
Solar-Divicon (two-line pump station for the collector circuit) ■ Fill valves ■ Air separator ■ 2 thermometers ■ 2 ball valves with check valve ■ Circulation pump ■ Flow indicator ■ Pressure gauge ■ Safety valve (6 bar) ■ Thermal insulation ■ Locking ring fitting/double O-ring 22 mm		
Solar-Divicon, type PS 10 With variable speed high efficiency circulation pump for alternating current. Delivery head: 6.0 m at a pump rate of 1000 l/h. **Without control unit for solar thermal systems.**	Z021903 **896,–**	Part no. **Euro**
Solar-Divicon, type PS 10 With variable speed high efficiency circulation pump for alternating current Delivery head: 6.0 m at a pump rate of 1000 l/h **With integral SDIO/SM1A electronics module**	Z021901 **1.239,–**	Part no. **Euro**
Solar-Divicon, type PS 10 With variable speed high efficiency circulation pump for alternating current. Delivery head: 6.0 m at a pump rate of 1000 l/h. **With integral Vitosolic 100, type SD1.**	Z021902 **1.290,–**	Part no. **Euro**
Solar-Divicon, type PS 20 With variable speed high efficiency circulation pump for alternating current. Delivery head: 6.5 m at a pump rate of 1500 l/h. **Without control unit for solar thermal systems.**	Z021904 **1.007,–**	Part no. **Euro**
Solar pump assembly (single line pump station for a second collector circuit) ■ Fill valves ■ Thermometer ■ Ball valve with check valve ■ Circulation pump ■ Flow indicator ■ Thermal insulation ■ Locking ring fitting/double O-ring 22 mm		
Solar pump assembly, type P 10 With variable speed high efficiency circulation pump for alternating current. Delivery head: 6.0 m at a pump rate of 1000 l/h.	Z021908 **590,–**	Part no. **Euro**
Solar pump assembly, type P 20 With variable speed high efficiency circulation pump for alternating current. Delivery head: 6.5 m at a pump rate of 1500 l/h.	Z021909 **882,–**	Part no. **Euro**
Solar safety valve (8 bar) ■ For use in solar thermal systems with Vitosol-FM/-TM collectors and **system heights** of 20 m and above ■ For installation in Solar-Divicon, type PS10 (replaces integral 6 bar safety valve) ■ ½ x ¾ (female)	ZK02581 **42,–**	Part no. **Euro**
Solar safety valve (8 bar) ■ For use in solar thermal systems with Vitosol-FM/-TM collectors and **system heights** of 20 m and above ■ For installation in Solar-Divicon, type PS20 (replaces integral 6 bar safety valve) ■ ¾ x 1 (female)	ZK02458 **29,–**	Part no. **Euro**

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Accessories Installation		
Accessories		MG WO
Heat meter For solar thermal systems with "Tyfocor LS" heat transfer medium ■ For **wall mounting in conjunction with Solar-Divicon**, type PS10. ■ For installation on **DHW cylinders** with fitted Solar-Divicon, type PS10. ■ Captures flow and return temperatures. ■ Captures the flow rate; nominal flow rate 1.5 m³/h. ■ Displays energy amount, heating output, flow rate and flow/return temperatures.	Z021910 **738,–**	Part no. **Euro**
Connecting tee For Solar-Divicon. To connect the expansion vessel or stagnation cooler in the Solar-Divicon flow line. Locking ring fitting/double O-ring 22 mm.	7172731 **104,–**	Part no. **Euro**
Connection line (flexible, DN 16, **24 m long**) ■ For the connection between Solar-Divicon and the solar cylinder (can be trimmed) ■ Stainless steel corrugated pipe with thermal insulation	7143745 **802,–**	Part no. **Euro**
Installation set for connection line ■ 2 threaded elbows ■ 2 threaded fittings ■ 8 insertion sleeves ■ Gaskets ■ Pipe clips		
Installation set for connection line For connection to **Vitocell 340-M, Vitocell 360-M, Vitocell 140-E** and **Vitocell 160-E.**	7373473 **113,–**	Part no. **Euro**
Installation set for connection line For connection to **Vitocell 100-B** with 400 and 500 l capacity.	7373474 **149,–**	Part no. **Euro**
Installation set for connection line For connection to **Vitocell 100-B** with 300 litre capacity and **Vitocell 300-B** with 300 litre capacity. For connection to Vitocal 060-A T0S-ze.	7373475 **149,–**	Part no. **Euro**
Installation set for connection line For connection to **Vitocell 300-B** with 500 l capacity.	7373476 **149,–**	Part no. **Euro**
Air separator (brass) ■ With automatic air vent valve and shut-off valve ■ With locking ring fitting (Ø 22 mm)	ZK03779 **78,–**	Part no. **Euro**
Quick-action air vent valve (brass) ■ With shut-off valve and tee ■ With locking ring fitting (Ø 22 mm)	ZK03780 **69,–**	Part no. **Euro**
Locking ring fitting (brass) ■ 2 pce ■ Straight fitting for Ø 22 mm	7316568 **37,–**	Part no. **Euro**
Locking ring fitting with air vent valve (brass) Straight fitting for Ø 22 mm.	7316263 **14,–**	Part no. **Euro**

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Accessories
Installation

Accessories		MG WO
Connecting cables ■ 2 pce, 1000 mm long ■ Connection diameter 22 mm ■ Stainless steel corrugated pipe ■ With locking ring fitting (Ø 22 mm) ■ With thermal insulation (UV-resistant)	7316252 **143,–**	Part no. **Euro**
Solar flow and return line (DN 16) ■ 2 stainless steel corrugated pipes (each **15 m** long) ■ With thermal insulation and sensor lead ■ 4 locking ring fittings (Ø 22 mm)	7419567 **654,–**	Part no. **Euro**
Solar flow and return line (DN 16) ■ 2 stainless steel corrugated pipes (each **12 m** long) ■ With thermal insulation and sensor lead ■ 4 locking ring fittings (Ø 22 mm)	7373478 **575,–**	Part no. **Euro**
Solar flow and return line (DN 16) ■ 2 stainless steel corrugated pipes (each **6 m** long) ■ With thermal insulation and sensor lead ■ 4 locking ring fittings (Ø 22 mm)	7373477 **316,–**	Part no. **Euro**
Connection accessories for residual lengths of solar flow and return line (2 pce required in each case)		
Connection set For connecting the solar lines to the pipework of the solar thermal system. (Corrugated pipe to Ø 22 mm pipe)	7817368 **36,–**	Part no. **Euro**
Connection set with locking ring fitting (Ø 22 mm) For connecting the solar lines to the pipework of the solar thermal system.	7817369 **45,–**	Part no. **Euro**
Connecting kit To connect/extend two solar lines.	7817370 **45,–**	Part no. **Euro**
Solar expansion vessel, **18 litres**, 10 bar ■ Pre-charge pressure 4.5 bar ■ Colour: White ■ With shut-off valve and fixings	7248241 **104,–**	Part no. **Euro**
Solar expansion vessel, 25 litres, 10 bar ■ Pre-charge pressure 4.5 bar ■ Colour: White ■ With shut-off valve and fixings	7248242 **134,–**	Part no. **Euro**
Solar expansion vessel, 40 litres, 10 bar ■ Pre-charge pressure 4.5 bar ■ Colour: White ■ With shut-off valve and fixings	7248243 **171,–**	Part no. **Euro**
Solar expansion vessel, 50 litres, 10 bar ■ Pre-charge pressure 4.5 bar ■ Colour: White ■ With shut-off valve and fixings	7248244 **258,–**	Part no. **Euro**
Solar expansion vessel, 80 litres, 10 bar ■ Pre-charge pressure 4.5 bar ■ Colour: White ■ With shut-off valve and fixings	7248245 **360,–**	Part no. **Euro**
Stagnation cooler, type 21 To protect the system components against excess temperatures. For sizing, see "SOLSEC" program at www.viessmann.de. ■ Output at 75/65 °C: 482 W ■ Cooling capacity during stagnation: 964 W	Z007429 **219,–**	Part no. **Euro**

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Accessories Installation		
Accessories		MG WO
Stagnation cooler, type 33 To protect the system components against excess temperatures. For sizing, see "SOLSEC" program at www.viessmann.de. ■ Output at 75/65 °C: 834 W ■ Cooling capacity during stagnation: 1668 W	Z007430 **273,–**	Part no. **Euro**
Pre-cooling vessel ■ To protect the solar expansion vessel against excess temperatures ■ **12 litres**, 10 bar	7188623 **108,–**	Part no. **Euro**
Antifreeze tester for heat transfer medium	7316074 **55,–**	Part no. **Euro**
Line regulating valve For hydronic balancing of solar collector arrays ■ With locking ring fitting Ø 22 mm ■ Max. operating temperature: 200 °C ■ **Up to 5 collectors**	ZK01510 **192,–**	Part no. **Euro**
Line regulating valve For hydronic balancing of solar collector arrays ■ With locking ring fitting Ø 22 mm ■ Max. operating temperature: 200 °C ■ **5 or more collectors**	ZK01511 **192,–**	Part no. **Euro**

Please note:
- **Stagnation coolers or pre-cooling vessels are not required in conjunction with Vitosol -FM and -TM collectors.** The solar thermal system pressure must be adjusted according to the manufacturer's instructions.
- For adjusting the line regulating valve in solar collector arrays, we recommend a type Oventrop OV-DMC 2 flow meter.

Accessories Installation		
Heat transfer medium		
Fill valve ■ For flushing, filling and draining solar thermal systems ■ With locking ring fittings (Ø 22 mm)	7316261 **77,–**	Part no. **Euro** **MG WO**
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as flushing tank)	7188625 **761,–**	Part no. **Euro** **MG N**
Filling trolley ■ Self-priming impeller pump (30 l/min) ■ Dirt filter (intake side) ■ Hose (intake side, 0.5 m long) ■ Connection hose (2 pce, each 3 m long) ■ Canister for heat transfer medium	7172590 **841,–**	Part no. **Euro** **MG N**
Solar manual fill pump For topping up and raising the pressure.	ZK02962 **128,–**	Part no. **Euro** **MG WO**
"Tyfocor LS" heat transfer medium **25 litres** in a disposable container. Ready mixed, down to -28 °C. Tyfocor LS can be mixed with Tyfocor G-LS.	7159727 **206,–**	Part no. **Euro** **MG WO**
"Tyfocor LS" heat transfer medium **200 litres** in a disposable container. Ready-mixed down to -28 °C. Tyfocor LS can be mixed with Tyfocor G-LS.	7159729 **1.663,–**	Part no. **Euro** **MG WO**

Please note:
Use commercially available parts as additional installation accessories. Do not use zinc-plated pipes, zinc-plated fittings or graphitised IT gaskets.

Please note:
- For DN 32 sized solar pump stations. For connection accessories such as air separator/solar connecting lines and connection set in larger sizes, see Vitoset Pricelist.
- Observe technical guides on solar thermal systems and max. aperture areas that can be connected.

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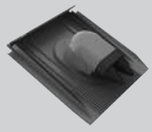
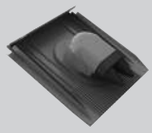
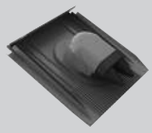
Accessories		
Miscellaneous		
Transport aid for flat-plate collectors 4 length adjustable straps with mounting rails.	7188503 **113,–**	Part no. **Euro** **MG N**
Transport aid For installation on the flat-plate collector. For installation support with a crane or when using a rope for installing and securing collectors on the roof.	ZK01512 **27,–**	Part no. **Euro** **MG WO**
Tarpaulin For Vitosol **flat-plate collectors** with a gross area of **2.5 m²** Reusable, opaque tarpaulin to protect the collectors.	ZK03782 **166,–**	Part no. **Euro** **MG WO**
Tarpaulin For Vitosol **flat-plate collectors** with a gross area of **2.2 m²** Reusable, opaque tarpaulin to protect the collectors.	ZK03783 **83,–**	Part no. **Euro** **MG WO**
Tarpaulin (2 pce) For **Vitosol 300-TM, type SP3C (1.51 m²)** Reusable, opaque tarpaulin to protect the collectors.	ZK02009 **58,–**	Part no. **Euro** **MG WO**
Tarpaulin (2 pce) For **Vitosol 300-TM, type SP3C (3.03 m²)** Reusable, opaque tarpaulin to protect the collectors.	ZK02010 **105,–**	Part no. **Euro** **MG WO**
Tarpaulin (2 pce) For **Vitosol 200-TM, type SPEA (1.63 m²)** Reusable, opaque tarpaulin to protect the collectors.	ZK02011 **54,–**	Part no. **Euro** **MG WO**
Tarpaulin (2 pce) For **Vitosol 200-TM, type SPEA (3.26 m²)** Reusable, opaque tarpaulin to protect the collectors.	ZK02012 **65,–**	Part no. **Euro** **MG WO**
Solar line roof outlet (**terracotta**) ■ For solar flow line and return line ■ Pivoting outlet; connection from the bottom, left or right ■ For tiled roof cover 	ZK02013 **169,–**	Part no. **Euro** **MG WO**
Solar line roof outlet (**black**) ■ For solar flow line and return line ■ Pivoting outlet; connection from the bottom, left or right ■ For tiled roof cover 	ZK02014 **169,–**	Part no. **Euro** **MG WO**
Solar line roof outlet (**brown**) ■ For solar flow line and return line ■ Pivoting outlet; connection from the bottom, left or right ■ For tiled roof cover 	ZK02015 **169,–**	Part no. **Euro** **MG WO**
Solar service case For carrying out commissioning, maintenance and functional checks of solar thermal systems: ■ Manual refractometer ■ Digital multimeter ■ Pressure gauge ■ Compass ■ pH test strips ■ Testing and information labels	7248299 **299,–**	Part no. **Euro** **MG N**

►*For DHW cylinders for solar thermal systems, see Register 10.*
►*For freshwater modules, see Register 10.10.*
►*For control units for solar thermal systems, see Register 9.5.*

Solar DHW heating and central heating backup

MG WO

Solar control module, type SM1
Function extension inside enclosure for wall mounting.
Electronic temperature differential control for dual mode DHW heating and central heating backup using solar collectors.

- With output statement and diagnostic system
- Operation and display via the Vitotronic control unit
- Heating of two consumers via a collector array
- Second temperature differential control unit
- Thermostat function for reheating or utilising excess heat
- Speed control for solar circuit pump with PWM input (make: Grundfos and Wilo)
- Suppression of DHW cylinder reheating by the heat generator, subject to solar yield
- Suppression of reheating for heating by the heat generator with central heating backup
- Heat-up of the solar preheating stage (for DHW cylinders with capacity of 400 l or more)

Order the immersion temperature sensor, part no. 7438702, if the following functions are required:
- For DHW circulation changeover in systems with 2 DHW cylinders
- For return changeover between the heat generator and the heating water buffer cylinder
- For heating additional consumers

To extend the functionality of the boiler control units:
- Vitotronic 100, type GC7B, HC1A, HC1B, KC2B, KC4B, CC1I, CC1E
- Vitotronic 200, type GW7B, HO1A, HO1B, HO2B, HO2C, KO1B, KO2B, KW6A, KW6B, CO1I, CO1E, WO1C
- Vitotronic 300, type CM1I, CM1E, MW1B, MW2B

Part no. Z014470
Euro 622,–

Standard delivery: Solar control module with
- Collector temperature sensor
- Cylinder temperature sensor

Vitosolic 100

MG WO

Vitosolic 100, type SD1
Electronic temperature differential control for dual mode DHW heating with solar collectors, oil/gas boilers and solid fuel boilers.

- For wall mounting
- With collector temperature sensor and cylinder temperature sensor
- With digital temperature display, output statement and diagnostic system
- Solar circuit pump speed control via pulse pack control or solar circuit pump with PWM input (Grundfos, Wilo)
- In heating systems with KM-BUS:
Suppression of DHW cylinder reheating by the boiler.
Heat-up of the solar preheating stage (for DHW cylinders with 400 l capacity or more).
- In heating systems without KM-BUS:
Suppression of DHW cylinder reheating by the boiler.

Part no. Z007387
Euro 524,–

Standard delivery: Vitosolic 100
- Collector temperature sensor
- Cylinder temperature sensor

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Control units for solar thermal systems

- Solar control module
- Vitosolic 100/200

Vitosolic 200		MG WO
Vitosolic 200, type SD4 Electronic temperature differential control for dual mode DHW heating or dual mode DHW and swimming pool heating or central heating backup using solar collectors, oil/gas boilers and solid fuel boilers. ■ For systems with up to 4 consumers ■ For wall mounting ■ With collector temperature sensor and 2 temperature sensors ■ With digital temperature display, output statement and diagnostic system ■ Solar circuit pump speed control via pulse pack control or solar circuit pumps with PWM input (Grundfos, Wilo) ■ With option to connect a heat meter and/or solar cell ■ The operating values of the solar thermal system can be recorded using the SD memory card (memory capacity up to 32 GB, FAT file system) ■ In heating systems with KM-BUS: Suppression of DHW cylinder reheating by the boiler. Heat-up of the solar preheating stage (with DHW cylinders from 400 litre capacity). ■ In heating systems without KM-BUS: Suppression of DHW cylinder reheating by the boiler. 	Z007388 **1.186,–**	Part no. **Euro**

Standard delivery: Vitosolic 200
■ Collector temperature sensor
■ 2 temperature sensors

9.5

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Accessories	Control unit versions				
	Solar control module	Vitosolic 100	Vitosolic 200		
Miscellaneous					MG W
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz	7814681 **199,–**				Part no. **Euro**
Sensors					MG WO
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	–			Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) With connecting lead (3.8 m long), without plug. For installation in the DHW cylinder, heating water buffer cylinder, combi cylinder. ■ For DHW circulation diversion in systems with 2 DHW cylinders. ■ For return changeover between the boiler and the heating water buffer cylinder. ■ For heating additional consumers. ■ For a heat statement (return temperature is captured).	–	7426247 **105,–**			Part no. **Euro**
Collector temperature sensor (NTC 20 kOhm) Immersion temperature sensor. With connecting lead (2.5 m long), without plug. ■ For systems with 2 collector arrays ■ For heat statement (recording flow temperature)	–		7831913 **90,–**		Part no. **Euro** MG E
Stainless steel sensor well R ½, 200 mm long.	7819693 **67,–**				Part no. **Euro** MG W
Solar					MG WO
Flow meter 15 (DN 20) Nominal flow rate 1.5 m³/h ■ For a heat statement (flow rate is captured)	–		7418207 **262,–**		Part no. **Euro**
Flow meter 25 (DN 20) Nominal flow rate 2.5 m³/h. ■ For a heat statement (flow rate is captured)	–		7418208 **262,–**		Part no. **Euro**
Flow meter 35 (DN 25) Nominal flow rate 3.5 m³/h. ■ For a heat statement (flow rate is captured)	–		7418209 **623,–**		Part no. **Euro**
Flow meter 60 (DN 32) Nominal flow rate 6.0 m³/h. ■ For a heat statement (flow rate is captured)	–		7418210 **623,–**		Part no. **Euro**

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Control units for solar thermal systems

Accessories

Accessories	Control unit versions			
	Solar control module	Vitosolic 100	Vitosolic 200	
Solar				MG WO
Solar cell Solar cell CS10, with connecting cable (2.3 m long) and universal mount, without plug. ■ To establish the intensity of solar radiation ■ To control the circulation pump for the bypass circuit	–	7408877 **65,–**		Part no. **Euro**
Large display To visualise the collector and cylinder temperature as well as the energy yield. With plug-in power supply unit.	–	7438325 **3.258,–**		Part no. **Euro**
High limit temperature cut-out device				MG W
High limit temperature cut-out device ■ **For installation in the DHW cylinder**. With a thermostatically controlled system. ■ Required if a cylinder volume of less than 40 litres is available per m² absorber area. This safely prevents temperatures above 95 °C in the DHW cylinder. ■ With stainless steel sensor well G ½, 200 mm long	Z001889 **166,–**			Part no. **Euro**
Temperature controller/limiter				
Temperature controller ■ With stainless steel sensor well G ½, 200 mm long ■ Setting range: 30 to 80 °C	Z001887 **158,–**			Part no. **Euro** MG W
Pressure switch For monitoring system pressure in the solar circuit (leaks). Use in water conservation areas and with solar thermal systems with solar heat transfer medium capacity > 220 l against the backdrop of the German "Ordinance on facilities for handling substances that are hazardous to water" (AwSV). ■ Adjustable pressure monitor (e.g. 0 to 10 bar) ■ Adjustable between 5 and 90 % of nominal pressure ■ With floating alarm contact ■ Compatible with Viessmann heat transfer medium (Tyfocor L/LS) ■ Operating medium connections G 1/4 ■ Max. operating temperature 120 °C	ZK03781 **2.090,–**			Part no. **Euro** MG WO
Accessories				
Temperature controller ■ With a thermostatic system ■ With top-hat rail to be mounted to the DHW cylinder or on the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well For Vitocell 100-V and 100-B, Vitocell 300-V and 300-B, Vitocell 340-M and 360-M.	7151989 **114,–**			Part no. **Euro** MG W

Accessories		Control unit versions		
		Solar control module	Vitosolic 100	Vitosolic 200
Accessories				
Thermostatic DHW circulation set For integration in domestic hot water systems **with** DHW circulation pipe. ■ Automatic thermostatic mixing valve ■ Setting range: 35 to 60 °C ■ Integral non-return valves ■ Threaded connection R ¾ ■ Thermal insulation		ZK01284 **337,–**		Part no. **Euro** **MG W**
Automatic thermostatic mixing valve For integration in hot water systems **without** DHW circulation pipe ■ Setting range: 35 to 60 °C ■ Threaded connection G 1, flat gasket		7438940 **85,–**		Part no. **Euro** **MG W**
Heating circuit				**MG W**
Distributor for solar central heating backup Connection assembly for straightforward installation between the boiler flue connection and Divicon heating circuit distributor. Can be mounted either on the boiler or the wall. Nominal diameter R1, can be used for nominal flow rates of up to 2.5 m³/h. ■ Distributor ■ 3-way diverter valve ■ Thermal insulation ■ Sensor well for return temperature sensor		7441163 **594,–**		Part no. **Euro**

Accessories for the DHW cylinder of the solar thermal system and the Vitotronic of floorstanding boilers		
Accessories		MG W
Threaded elbow For the installation of a cylinder temperature sensor for solar operation. ■ Vitocell 100-V, type CVAA, CVAB-A 160 to 300 litre capacity ■ Vitocell 300-V, type EVIA-A, 160 to 300 litre capacity ■ Vitocell 300-V, type EVIA-A+, 160 and 200 litre capacity *Included in the standard delivery for Vitocell 100-B and 300-B.*	7175213 **41,–**	Part no. **Euro**
Threaded elbow For the installation of a cylinder temperature sensor for solar operation. ■ Vitocell 100-V, type CVA, 500 l capacity ■ Vitocell 300-V, type EVIA-A, 500 litre capacity *Included in the standard delivery for Vitocell 100-B and 300-B.*	7175214 **41,–**	Part no. **Euro**
Threaded elbow For the installation of a cylinder temperature sensor for solar operation. ■ Vitocell 100-V, type CVAA, 750 and 950 l capacity	7219729 **41,–**	Part no. **Euro**
PCB For suppression of DHW cylinder reheating by the boiler and implementation of the auxiliary function for DHW heating in conjunction with the following Vitotronic control units. ■ **For Vitotronic 200, type KW1** with part no. 7450351 and 7450740 ■ **For Vitotronic 200, type KW2** with part no. 7450352 and 7450750 ■ **For Vitotronic 300, type KW3** with part no. 7450353 and 7450760	7828192 **151,–**	Part no. **Euro**
PCB For suppression of DHW cylinder reheating by the boiler and implementation of the auxiliary function for DHW heating in conjunction with the following Vitotronic control units. ■ **For Vitotronic 200, type GW1** with part no. 7143006 ■ **For Vitotronic 300, type GW2** with part no. 7143156	7831930 **173,–**	Part no. **Euro**
PCB For suppression of DHW cylinder reheating by the boiler and implementation of the auxiliary function for DHW heating in conjunction with the following Vitotronic control units. ■ **For Vitotronic 333, type MW1** with part no. 7143421	7828194 **145,–**	Part no. **Euro**

DHW cylinders

Vitocell 100-V	**10.1**
Vitocell 100-W	**10.2**
Vitocell Modular 100-VE	**10.3**
Vitocell 100-H, Vitocell 300-H	**10.4**
Vitocell 100-L with Vitotrans 222 (cylinder loading system)	**10.5**

DHW cylinders for solar thermal systems

Vitocell 100-B	**10.6**

Heating water buffer cylinders

Vitocell 050-E	**10.7**
Vitocell 100-E	**10.8**
Vitocell 140-E, Vitocell 160-E	**10.9**

Freshwater modules

Vitotrans 353	**10.10**

Heating water buffer cylinders with integral DHW heating

Vitocell 320-M	**10.11**
Vitocell 340-M, Vitocell 360-M	**10.12**

Heat exchangers

Vitotrans 100	**10.13**
Vitotrans 200	**10.14**

► *See overleaf for further information*

Viessmann's integrated range of solutions

Value added services	
Digital services	
Connectivity and platforms	
Products & systems	**VITOCELL 100-V** **VITOCELL 100-B** **VITOTRANS 353** **VITOCELL 100-W** **VITOCELL 100-E** **VITOCELL 320-M** **VITOCELL 340-M** **VITOCELL 140-E** **VITOTRANS 200** **VITOCELL 360-M** **VITOCELL 160-E** **VITOCELL 100-L** **VITOTRANS 100**

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	Cylinder capacity (litres)											
DHW cylinders	120	130	150	160	200	300	350	400	500	750	950	
Vitocell 100-V				●	●	●			●	●	●	**10.1**
Vitocell 100-W	●		●									
Vitocell 100-L with Vitotrans 222 (cylinder loading system)									●	●	●	**10.5**
DHW cylinders for solar thermal systems												
Vitocell 100-B						●		●	●	●	●	**10.6**

	Cylinder capacity (litres)									
Heating water buffer cylinders	46	200	400	600	750	910	950	1500	2000	
Vitocell 100-E	●	●	●*1	●*1	●*1		●*1	●	●	**10.7**
Vitocell 140-E			●	●	●		●			**10.8**
Vitocell 160-E with (cylinder loading system)					●		●			**10.9**
Freshwater modules										
Vitotrans 353 (draw-off rate 25 to 68 l/min)										**10.10**
Heating water buffer cylinders with integral DHW heating										
Vitocell 320-M					●	●				**10.11**
Vitocell 340-M			●		●*2		●*2			
Vitocell 360-M					●*2		●*2			**10.12**
Heat exchangers										
Vitotrans 100 (plate heat exchanger)										**10.13**
Vitotrans 200 (Turbotec heat exchanger)										**10.14**

*[*1]Solar-Divicon and/or Vitotrans 353 can be attached.*
*[*2]Solar-Divicon can be attached.*

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VITOCELL 100-W

DHW cylinder below the heat generator for wall mounted appliances
100 to 150 litre capacity

Vitocell 100-W

Type CUGA/CUGB/CUGB-A

Steel DHW cylinder below the heat generator for wall mounted appliances, with Ceraprotect enamel coating

- Designed especially for DHW heating in conjunction with wall mounted appliances.
- Corrosion-protected steel cylinder with Ceraprotect enamel coating.
- Internal indirect coil stretching right down to the cylinder floor heats up the entire water content.

10.1

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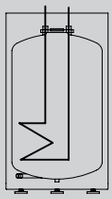
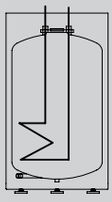
Vitocell 100-W made of steel, with Ceraprotect enamel coating	Standard thermal insulation	Capacity (litres)			MG WH
		100	120	150	
	**Vitocell 100-W, Vitopearlwhite** For DHW heating in conjunction with wall mounted appliances. For systems with: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 10 bar (1 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018458 **864,–** C	Z018459 **1.079,–** B	Z018461 **1.159,–** B	Part no. **Euro** Energy
Specification					
Type		CUGA	CUGB	CUGB	
Length		577	582	634	mm
Width		549	582	634	mm
Height		815	929	958	mm
Weight		48	55	61	kg

Vitocell 100-W made of steel, with Ceraprotect enamel coating	Highly efficient thermal insulation Energy efficiency class A	Capacity (litres)		MG WH
		120	150	
	**Vitocell 100-W, Vitopearlwhite** For DHW heating in conjunction with wall mounted appliances. For systems with: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 10 bar (1 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018460 **1.243,–** A	Z018462 **1.338,–** A	Part no. **Euro** Energy
Specification				
Type		CUGB-A	CUGB-A	
Length		634	634	mm
Width		634	634	mm
Height		929	958	mm
Weight		58	61	kg

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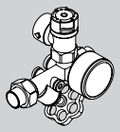
Accessories

Accessories

Cylinder capacity (litres)	100	120	150	MG W
Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge 	7219722 **251,–**		**–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 15) For surface mounting ■ Diaphragm safety valve 10 bar (1 MPa)		7180097 **176,–**		Part no. **Euro**
Connection set (with connection lines) **for DHW cylinder below the heat generator** ►See accessories for the wall mounted appliance concerned.				
Thermometer ■ For wall mounting ■ Digital display of two temperatures		ZK05265 **75,–**		Part no. **Euro**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		7265008 **480,–**		Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	100	120	150	MG W
Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity		ZK05266 **142,–**		Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	100	120	150	MG W
Immersion heater EHE Heating output: **1.5 kW** For installation in the Vitocell through the cylinder flange at the top. ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover ■ Gasket ■ Power cable with connection plug	7958573 **257,–**	**–**		Part no. **Euro**
Immersion heater EHE Heating output: **2.2 kW** For installation in the Vitocell through the cylinder flange at the top. ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover ■ Gasket ■ Power cable with connection plug	**–**	7958574 **618,–**		Part no. **Euro**

10.1

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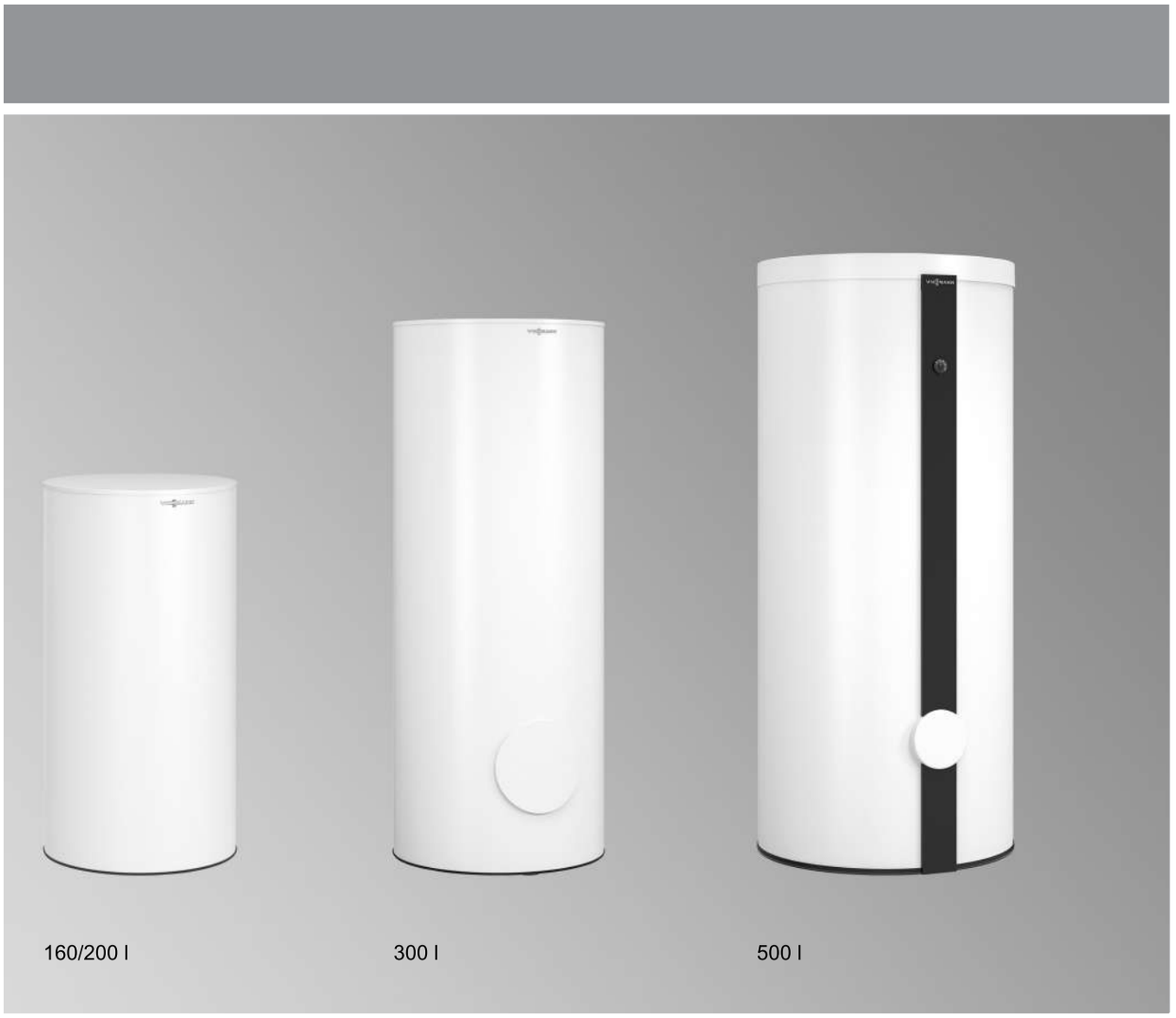
VITOCELL 100-V

Floorstanding DHW cylinder
160 to 950 litre capacity



Vitocell 100-V

Type CVA/CVAA/CVAB/CVAB-A

Vertical steel DHW cylinder, with Ceraprotect enamel coating

- Corrosion-protected steel cylinder with Ceraprotect enamel coating
- Additional cathodic protection via protective magnesium anode; impressed current anode available as an accessory
- Indirect coil reaching down to the cylinder floor heats the entire water content
- High DHW convenience through rapid, even heat-up via generously sized indirect coils
- Universal application - higher DHW demands can be accommodated by combining several Vitocell 100-V DHW cylinders into cylinder banks with common headers.
- An immersion heater is available on request and can also be retrofitted (from 300 l capacity).
- For easier handling, the Vitocell 100-V from 500 litre capacity is fitted with removable thermal insulation.

10.2

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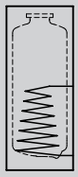
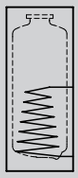
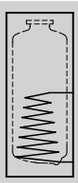
VITOCELL 100-V

160 to 300 litres

Vitocell 100-V Steel, with Ceraprotect enamel coating	Standard thermal insulation	Cylinder capacity (litres)			MG WH
		160	200	300	
	**Vitocell 100-V, Vitosilver** For DHW heating in conjunction with boilers and district heating systems, as option with electric heater (accessory for DHW cylinders with 300 to 950 litre capacity) From 300 litre cylinder capacity with flanged aperture For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1.0 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018463 **1.105,–** B	Z018467 **1.142,–** B	Z021911 **1.464,–** B	Part no. **Euro** Energy
	**Vitocell 100-V, Vitopearlwhite** For DHW heating in conjunction with boilers and district heating systems, as option with electric heater (accessory for DHW cylinders with 300 to 950 litre capacity) From 300 litre cylinder capacity with flanged aperture For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1.0 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018464 **1.105,–** B	Z018468 **1.142,–** B	Z021912 **1.464,–** B	Part no. **Euro** Energy
	**Vitocell 100-V, Vitographite** For DHW heating in conjunction with boilers and district heating systems, as option with electric heater (accessory for DHW cylinders with 300 to 950 litre capacity) For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1.0 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024676 **1.105,–** B	Z024677 **1.142,–** B	**–**	Part no. **Euro** Energy

Specification					
Type		CVAA	CVAA	CVAB	
Length		582	582	668	mm
Width		607	607	706	mm
Height		1128	1348	1687	mm
Weight		62	70	115	kg

► *For the connection of the DHW cylinder up to 500 litre capacity to the boiler, system connections with circulation pump are available: see price sheet for the relevant boiler.*

10.2

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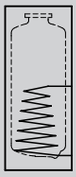
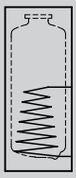
Vitocell 100-V Steel, with Ceraprotect enamel coating	Highly efficient thermal insulation Energy efficiency class A	Cylinder capacity (litres)		MG WH
		160	200	
	**Vitocell 100-V, Vitosilver** For DHW heating in conjunction with boilers and district heating systems For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1.0 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018465 **1.243,–** A	Z018642 **1.282,–** A	Part no. **Euro** Energy
	**Vitocell 100-V, Vitopearlwhite** For DHW heating in conjunction with boilers and district heating systems For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1.0 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z018466 **1.279,–** A	Z018641 **1.320,–** A	Part no. **Euro** Energy

Specification				
Type		CVAB-A	CVAB-A	
Length		634	634	mm
Width		637	637	mm
Height		1129	1349	mm
Weight		65	73	kg

► *For the connection of the DHW cylinder up to 500 litre capacity to the boiler, system connections with circulation pump are available: see price sheet for the relevant boiler.*

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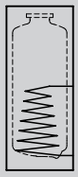
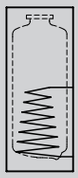
VITOCELL 100-V

500 to 950 litres

Vitocell 100-V Steel, with Ceraprotect enamel coating	Standard thermal insulation	Cylinder capacity (litres)			MG WH
		500	750	950	
	**Vitocell 100-V, Vitosilver** For DHW heating in conjunction with boilers and district heating systems, as option with electric heater (accessory for DHW cylinders with 300 to 950 litre capacity) With flanged aperture and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 25 bar (2.5 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z002576 **2.885,–** B	Z015311 **4.467,–**	Z015312 **5.881,–**	Part no. **Euro** Energy
	**Vitocell 100-V, Vitopearlwhite** For DHW heating in conjunction with boilers and district heating systems, as option with electric heater (accessory for DHW cylinders with 300 to 950 litre capacity) With flanged aperture and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 25 bar (2.5 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z021941 **2.859,–** B	–	–	Part no. **Euro** Energy

Specification					
Type		CVA	CVAA	CVAA	
Length		859	1062	1062	mm
Width		923	1110	1110	mm
Height		1948	1897	2197	mm
Handling dimensions		650	790	790	Ø mm
Weight		181	301	363	kg

► *For the connection of the DHW cylinder up to 500 litre capacity to the boiler, system connections with circulation pump are available: see price sheet for the relevant boiler.*

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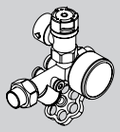
Accessories

Accessories Cylinder capacity (litres)	160	200	300	500	750	950	MG W
Safety assembly to DIN 1988 (DN 15, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge Max. heat input: 75 kW 	7219722 **251,–**		**–**				Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW	**–**		7180662 **251,–**				Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**						Part no. **Euro**
Circulation pump for cylinder heating For boilers up to 40 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172611 **460,–**						Part no. **Euro**
Circulation pump for cylinder heating For boilers from 40 to 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172612 **534,–**						Part no. **Euro**
Circulation pump for cylinder heating For boilers from 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172613 **1.485,–**						Part no. **Euro**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**				ZK01536 **729,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**		**–**				Part no. **Euro**

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Accessories

Accessories Cylinder capacity (litres)	160	200	300	500	750	950	MG W
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder		–		7595765 **35,–**	Standard delivery		Part no. **Euro**
Threaded elbow For the installation of a cylinder temperature sensor for solar operation		7175213 **41,–**		7175214 **41,–**	7219729 **41,–**		Part no. **Euro**
Heating lance For installation in a flanged aperture of the Vitocell For DHW heating with a heat pump via an external heat exchanger ■ Flange ■ Gasket ■ Colour of flange cover: black		–	Z021944 **853,–**	–			Part no. **Euro**
Heating lance For installation in a flanged aperture of the Vitocell For DHW heating with a heat pump via an external heat exchanger ■ Flange ■ Gasket ■ Colour of flange cover: Vitosilver		–		ZK00037 **835,–**	Z012683 **837,–**		Part no. **Euro**
Heating lance For installation in a flanged aperture of the Vitocell For DHW heating with a heat pump via an external heat exchanger ■ Flange ■ Gasket ■ Colour of flange cover: Vitopearl-white		–	Z021945 **840,–**	Z021946 **846,–**	–		Part no. **Euro**
Fittings **For boiler connection on the heating water side** ►*See accessories for the boiler concerned.*							

10.2

Miscellaneous Cylinder capacity (litres)	160	200	300	500	750	950	MG W
Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity		ZK05266 **142,–**		–			Part no. **Euro**
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with* 750 litre *capacity* or more		–		ZK01793 **302,–**	–		Part no. **Euro** MG N

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Accessories

Immersion heater

Cylinder capacity (litres)	160	200	300	500	750	950	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: black ■ Gasket For installation in the **lower** section of the Vitocell	–		Z021938 **825,–**	–			Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitosilver ■ Gasket For installation in the **lower** section of the Vitocell	–			Z012677 **819,–**	Z012678 **871,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearl-white ■ Gasket For installation in the **lower** section of the Vitocell	–		Z021939 **825,–**	Z021940 **827,–**	–		Part no. **Euro**

10.2

Accessories							
Immersion heater **Cylinder capacity (litres)**	**160**	**200**	**300**	**500**	**750**	**950**	**MG W**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitosilver ■ Gasket For installation in the **lower** section of the Vitocell	–				Z012682 **969,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **lower** section of the Vitocell in conjunction with the heating lance	–				Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **lower** section of the Vitocell in conjunction with the heating lance	–				Z012687 **715,–**		Part no. **Euro**

Accessories for cylinder banks Cylinder capacity (litres)	300	500	MG W
Headers on the heating water side DN 50 ■ For double cylinder banks and DHW cylinders with 300 litre capacity ■ Made from steel pipe Total capacity of the cylinder bank: 600 litres	7265134 **976,–**	**–**	Part no. **Euro**
Headers on the heating water side DN 50 ■ For double cylinder banks and DHW cylinders with 500 litre capacity ■ Made from steel pipe Total capacity of the cylinder bank: 1000 litres	**–**	ZK02892 **1.005,–**	Part no. **Euro**
Headers on the heating water side DN 50 ■ For triple cylinder banks and DHW cylinders with 500 litre capacity ■ Made from steel pipe Total capacity of the cylinder bank: 1500 litres	**–**	ZK02893 **1.449,–**	Part no. **Euro**
Headers on the DHW side R 1¼ ■ For double cylinder banks and DHW cylinders with 300 litre capacity ■ For cold water and DHW ■ Made from stainless steel Total capacity of the cylinder bank: 600 litres	7265138 **1.026,–**	**–**	Part no. **Euro**
Headers on the DHW side R 1¼ ■ For double cylinder banks and DHW cylinders with 500 litre capacity ■ For cold water and DHW ■ Made from stainless steel Total capacity of the cylinder bank: 1000 litres	**–**	ZK02894 **1.054,–**	Part no. **Euro**
Headers on the DHW side R 1½ ■ For triple cylinder banks and DHW cylinders with 500 litre capacity ■ For cold water and DHW ■ Made from stainless steel Total capacity of the cylinder bank: 1500 litres	**–**	ZK02895 **1.833,–**	Part no. **Euro**

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Vitocell 100-V

Type CVWB/CVWC

Vertical steel DHW cylinder, with
Ceraprotect enamel coating
For applications with heat pumps

- Designed especially for DHW heating in conjunction with solar heat pumps. The large surface area of the internal indirect coil ensures a highly efficient heat transfer.
- Corrosion-protected steel cylinder with Ceraprotect enamel coating
- Additional protection via impressed current anode (up to 300 l) and protective magnesium anode (from 300 l) installed at the factory
- Indirect coil reaching down to the cylinder floor heats the entire water content
- High DHW convenience through rapid, even heat-up via generously sized indirect coils
- Low heat losses due to highly effective all-round thermal insulation - removable for easier handling and available in a version with energy efficiency class B or C (from 390 l)
- Up to 2 immersion heaters (from 250 l) can be fitted to ensure convenience
- Integral transport aids on top and bottom enable easy transportation and handling (up to 300 l)

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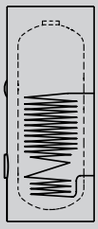
Vitocell 100-V Steel, with Ceraprotect enamel coating		Cylinder capacity (litres)			MG WH
		200	250	300	
	**Vitocell 100-V, Vitopearlwhite** ■ For DHW heating with heat pumps For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z026454 **1.396,–** B	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy
Specification					
Type		CVWC	CVWC	CVWC	
Length		668	668	668	mm
Width		714	714	714	mm
Height		1229	1430	1697	mm
Handling dimensions		-	-	-	Ø mm
Weight		97	111	126	kg

Vitocell 100-V type CVWC are also available in combination with Vitocell 100-E type MSCA as Vitocell Modular 100-VE. See separate price sheet.

10.3

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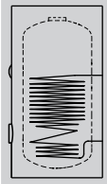
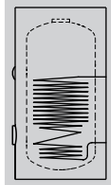
Vitocell 100-V Steel, with Ceraprotect enamel coating	Standard thermal insulation	Cylinder capacity (litres)		MG WH
		390	500	
	**Vitocell 100-V, Vitopearlwhite** ■ For DHW heating with heat pumps ■ With removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z026495 **3.210,–** C	Z026496 **3.825,–** C	Part no. **Euro** Energy
Specification				
Type		CVWB	CVWB	
Length		859	859	mm
Width		923	923	mm
Height		1624	1948	mm
Handling dimensions		650	650	Ø mm
Weight		190	200	kg

Vitocell 100-V Steel, with Ceraprotect enamel coating	Highly efficient thermal insulation Energy efficiency class B	Cylinder capacity (litres)		MG WH
		390	500	
	**Vitocell 100-V, Vitopearlwhite** ■ For DHW heating with heat pumps ■ With removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Operating pressure on the heating water side up to 10 bar (1 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy
Specification				
Type		CVWB	CVWB	
Length		859	859	mm
Width		923	923	mm
Height		1659	1983	mm
Handling dimensions		650	650	Ø mm
Weight		187	215	kg

10.3

Accessories

Accessories Cylinder capacity (litres)	200	250	300	390	500	MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW			7180662 **251,–**			Part no. **Euro**
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation			**–**	7186663 **867,–**		Part no. **Euro** MG WO
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well			7151989 **114,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers up to 40 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve			7172611 **460,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers from 40 to 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve			7172612 **534,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers from 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve			7172613 **1.485,–**			Part no. **Euro**

Accessories

Accessories

Cylinder capacity (litres)	200	250	300	390	500	MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Pre-assembled			Z004247 **525,–**		Part no. **Euro**
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder	**–**			7595765 **35,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**			**–**		Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	200	250	300	390	500	MG N
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with* 750 litre *capacity or more.*	**–**			ZK01793 **302,–**		Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	200	250	300	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Z026669 **827,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	**–**	Z012684 **617,–**				Part no. **Euro**

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VITOCELL MODULAR 100-VE

Combination of DHW cylinder with heating water buffer cylinder
200/50, 250/50, 300/50, 200/75, 250/75, 300/75 litre capacity

Vitocell Modular 100-VE

Modular combined for heat pump heating and cooling systems
- Vitocell 100-V CVWC DHW cylinder
- Vitocell 100-E MSCA heating water buffer cylinder

- Modular cylinder concept matched to Vitocal heat pumps
- Delivery in split design
- Integral wear-free impressed current anode protects against corrosion
- Uniform design of DHW cylinder and heat generator
- Modest space requirement (< 0.5 m²)
- Tower solution with heating water buffer cylinder - can be rotated through 360°
- Different sizes - maximum flexibility
- Integral carrying handles for easy transportation and handling
- Additional connections on 75 l version for hybrid applications with second heat generator
- Immersion heaters (accessories) can be fitted to ensure convenience
- Designed for heating and cooling applications

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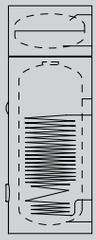
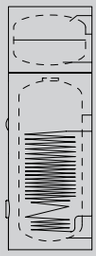
Vitocell Modular 100-VE Steel, with Ceraprotect enamel coating	With 50 l heating water buffer cylinder	Cylinder capacity (litres)			MG WH
		200+50	250+50	300+50	
	**Vitocell Modular 100-VE, Vitopearlwhite** For DHW heating and storing heating/cooling water in conjunction with heat pumps with up to 17 kW heating output Function of 50 l buffer cylinder: low loss header For systems with the following operating data: ■ Heating water flow temperature: - DHW cylinder up to 160 °C - Heating water buffer cylinder up to 110 °C ■ Operating pressure on the heating water side - DHW cylinder up to 10 bar (1 MPa) - Heating water buffer cylinder up 3 bar (0.3 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Specification					
Length Ø		668	668	668	mm
Width		714	714	714	mm
Height		1610	1811	2078	mm
Weight		137	151	166	kg

Vitocell Modular 100-VE Steel, with Ceraprotect enamel coating	With 75 l heating water buffer cylinder	Cylinder capacity (litres)			MG WH
		200+75	250+75	300+75	
	**Vitocell Modular 100-VE, Vitopearlwhite** For DHW heating and storing heating/cooling water in conjunction with heat pumps with up to 17 kW heating output Function of 75 l buffer cylinder: low loss header in hybrid applications with second heat generator For systems with the following operating data: ■ Heating water flow temperature: - DHW cylinder up to 160 °C - Heating water buffer cylinder up to 110 °C ■ Operating pressure on the heating water side - DHW cylinder up to 10 bar (1 MPa) - Heating water buffer cylinder up 3 bar (0.3 MPa) ■ DHW temperature up to 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy
Specification					
Length Ø		668	668	668	mm
Width		714	714	714	mm
Height		1728	1929	2196	mm
Weight		147	161	176	kg

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Accessories

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW		7180662 **251,–**		Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well		7151989 **114,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures		ZK05265 **75,–**		Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**

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Accessories

Accessories

Cylinder capacity (litres)	50	75	MG W
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**		Part no. **Euro**
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee	7984135 **90,–**		Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	50	75	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller	**–**	Z012684 **617,–**	Part no. **Euro**

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VITOCELL 100-L

Cylinder for DHW heating systems
in a cylinder loading system
500 to 950 litres

Vitocell 100-L

Type CVL/CVLA

Vertical steel cylinder with Ceraprotect enamel coating
Cylinder capacity 500, 750 and 950 litres

Vitotrans 222
Heat exchanger set for cylinder loading system
Transferable heating output up to 80 kW, up to 120 kW and up to 240 kW

Heating lance
For DHW heating with heat pumps via an external heat exchanger

- Corrosion-protected steel cylinder with Ceraprotect enamel coating
- Additional cathodic protection via protective magnesium anode; impressed current anode available as an accessory
- Removable thermal insulation for easy handling
- Low heat losses due to high grade, all-round thermal insulation
- Electric immersion heater and heating lance for use in conjunction with heat pumps available as accessories
- In conjunction with the Vitotrans 222 heat exchanger set (accessories) as a cylinder loading system, particularly suitable for combination with condensing boilers
- Accurate cylinder heating, even with modulating flow temperature
- With highly efficient cylinder loading and heating water pump, plus full thermal insulation

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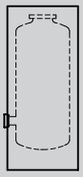
Vitocell 100-L Steel, with Ceraprotect enamel coating		Cylinder capacity (litres)			MG WH
		500	750	950	
	**Vitocell 100-L, Vitosilver** ■ For DHW heating in a loading system ■ Removable thermal insulation For systems with the following operating data: ■ Max. DHW temperature in the cylinder 95 °C ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z002074 **2.719,–** B	Z015313 **4.210,–**	Z015314 **5.535,–**	Part no. **Euro** Energy
Specification					
Type		CVL	CVLA	CVLA	
Length		859	1062	1062	mm
Width		923	1110	1110	mm
Height		1948	1897	2197	mm
Handling dimensions		650	790	790	Ø mm
Weight		156	260	314	kg

Please note:
The DHW cylinder is supplied with two welded sensor wells or clamping devices for attaching immersion temperature sensors to the cylinder jacket.

Control of the cylinder loading system Viessmann control units Vitotronic 100 (type CC1I/CC1E), Vitotronic 200 (type CO1I/CO1E), Vitotronic 300 (type CM1I/CM1E), Vitotronic 300-K (type MW1B, MW2B) and Vitotronic 200-H (type HK1B, HK3B) are suitable for controlling the cylinder loading system.

Accessories

Accessories Max. transferable heating output (kW)	80.0	120.0	240.0	MG W
Vitotrans 222 (heat exchanger set) For DHW heating in a loading system, up to 60 °C (or max. 70 °C) ■ High efficiency circulation pump as DHW cylinder loading pump ■ High efficiency circulation pump as heating water pump ■ Plate heat exchanger ■ Line regulating valve ■ Shut-off valves ■ Safety valve (10 bar); only for the heat exchanger, does not replace the safety valve to DIN 1988 for sealed unvented water heating systems. ■ Thermal insulation	Z012534 **3.915,–**	Z012535 **4.505,–**	Z012536 **5.695,–**	Part no. **Euro**

Please note:
The transferable heating output is based on 75 °C heating water flow temperature/35 °C heating water return temperature and 10 °C cold water inlet temperature/60 °C DHW outlet temperature.

Accessories		MG W
Mixer assembly For Vitotrans 222 up to 120 kW transferable heating output For operation of the Vitotrans 222 with modulating flow temperature ■ 3-way mixing valve ■ Servomotor ■ Sensors ■ Pipework	7164620 **943,–**	Part no. **Euro**
Mixer assembly For Vitotrans 222 up to 240 kW transferable heating output For operation of the Vitotrans 222 with modulating flow temperature ■ 3-way mixing valve ■ Servomotor ■ Sensors ■ Pipework	7164621 **1.055,–**	Part no. **Euro**

Please note:
For operation of the Vitotrans 222 with mixer assembly in heating systems with Vitotronic 100 (type CC1I/CC1E) and Vitotronic 200-H (type HK1B or HK3B), a cylinder temperature sensor (part no. 7438702) must also be ordered.

Accessories Cylinder capacity (litres)	500	750	950	MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**	7265132 **501,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW	7180662 **251,–**			Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well Two are required for operation with constant flow temperature.	7151989 **114,–**			Part no. **Euro**

Accessories

Accessories

Cylinder capacity (litres)	500	750	950	MG W
Heating lance For installation in a flanged aperture of the Vitocell For DHW heating with a heat pump via an external heat exchanger ■ Flange ■ Gasket ■ Colour of flange cover: Vitosilver	ZK00037 **835,–**	Z012683 **837,–**		Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	500	750	950	MG N
Transport aid For easier handling of all vertical DHW cylinders With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*	ZK01793 **302,–**	**–**		Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	500	750	950	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitosilver ■ Gasket For installation in the **lower** section of the Vitocell	Z012677 **819,–**	Z012678 **871,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitosilver ■ Gasket For installation in the **lower** section of the Vitocell	**–**	Z012682 **969,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **lower** section of the Vitocell in conjunction with the heating lance	**–**	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **lower** section of the Vitocell in conjunction with the heating lance	**–**	Z012687 **715,–**		Part no. **Euro**

Accessories

Diaphragm safety valves for sealed unvented heating systems

Cylinder capacity (litres)	500	750	950	MG VC
Diaphragm safety valve (type MSW1), DN 32 For sealed unvented water heating systems ■ Response pressure **10 bar** ■ Connection G 1 Max. heat input: 250 kW	9572232 **45,–**			Part no. **Euro**

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VITOCELL 100-B

DHW cylinder with 2 internal indirect coils
300 to 500 litre capacity

Vitocell 100-B

Type CVB/CVBB/CVBC

Vertical steel DHW cylinder, with
Ceraprotect enamel coating

With 2 internal indirect coils:
- The lower indirect coil is used for heating via the solar collectors.
- The upper indirect coil is used for reheating, as required, via the heat generator.

- Corrosion-protected steel cylinder with Ceraprotect enamel coating
- Additional cathodic protection via protective magnesium anode; impressed current anode available as an accessory
- Indirect coil reaching down to the cylinder floor heats the entire water content
- High level of DHW convenience, with rapid, even heat-up via generously sized internal indirect coils
- Low heat losses through highly effective, all-round thermal insulation
- For dual mode DHW heating in conjunction with solar collectors and heat generator. The heat from the solar collectors is transferred to the DHW via the lower indirect coil. For mono mode DHW heating by a heat pump, the two indirect coils are connected in series
- With a capacity of 400 l or more, the Vitocell 100-B comes with removable thermal insulation for easier handling.

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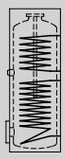
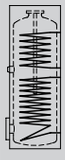
Vitocell 100-B Steel, with Ceraprotect enamel coating		Cylinder capacity (litres)				MG WH
		300	400	500		
	**Vitocell 100-B, Vitosilver** For DHW heating in conjunction with heat generators and solar collectors For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Solar flow temperature up to 160 °C ■ DHW temperature up to 95 °C ■ Operating pressure on the heating and DHW sides up to 10 bar (1 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021913 **1.898,–** B	**–**	**–**		Part no. **Euro** Energy
	**Vitocell 100-B, Vitopearlwhite** ■ For DHW heating in conjunction with heat generators and solar collectors ■ From 400 litre cylinder capacity with removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 160 °C ■ Solar flow temperature up to 160 °C ■ DHW temperature up to 95 °C ■ Operating pressure on the heating and DHW sides up to 10 bar (1 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021914 **1.840,–** B	Z021915 **2.627,–** B	Z021916 **3.116,–** B		Part no. **Euro** Energy

Specification						
Type		CVBC	CVB	CVB		
Length		668	859	859		mm
Width		714	923	923		mm
Height		1687	1624	1948		mm
Handling dimensions		-	650	650		Ø mm
Weight		126	167	205		kg

Please note:
The DHW cylinder is supplied with a threaded elbow for solar operation.
With heat pumps, both internal indirect coils must be connected in series. Solar collectors therefore cannot be connected at the same time.

Accessories

Accessories Cylinder capacity (litres)	300	400	500	MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW	7180662 **251,–**			Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers up to 40 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172611 **460,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers from 40 to 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172612 **534,–**			Part no. **Euro**
Circulation pump for cylinder heating For boilers from 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172613 **1.485,–**			Part no. **Euro**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7265008 **480,–**			Part no. **Euro**
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder	**–**	7595765 **35,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures	ZK05265 **75,–**	**–**		Part no. **Euro**
Thermostatic DHW circulation set For integration in hot water systems **with** DHW circulation pipe ■ Automatic thermostatic mixing valve ■ Setting range: 35 to 60 °C ■ Integral non-return valves ■ Threaded connection R ¾ ■ Thermal insulation	ZK01284 **337,–**			Part no. **Euro**
Automatic thermostatic mixing valve For integration in hot water systems **without** DHW circulation pipe ■ Setting range: 35 to 60 °C ■ Threaded connection G 1, flat gasket	7438940 **85,–**			Part no. **Euro**

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Accessories

Accessories

Cylinder capacity (litres)	300	400	500	MG	W
Fittings **For boiler connection on the heating water side** ►*See accessories for the boiler concerned.*					
Heating lance For installation in a flanged aperture of the Vitocell. For DHW heating with a heat pump via an external heat exchanger ■ Flange ■ Gasket ■ Flange cover (Vitopearlwhite)	–			Part no. **Euro**	

Immersion heater

Cylinder capacity (litres)	300	400	500	MG	W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: black ■ Gasket For installation in a flanged aperture of the Vitocell.	Z021938 **825,–**	–		Part no. **Euro**	
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in a flanged aperture of the Vitocell.	Z021939 **825,–**	Z021940 **827,–**		Part no. **Euro**	
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in a flanged aperture of the Vitocell.	–			Part no. **Euro**	

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Accessories

Immersion heater

Cylinder capacity (litres)	300	400	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For 300/400/500 l: for installation in the upper section of the Vitocell. For 750/950 l: for installation in a flanged aperture of the Vitocell in conjunction with the heating lance.	Z012684 **617,–**			Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in a flanged aperture of the Vitocell in conjunction with the heating lance.	**–**			Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	300	400	500	MG N
Transport aid For easier handling of all vertical DHW cylinders ■ With rigid PUR foam thermal insulation ■ Up to 300 litre capacity	ZK05266 **142,–**	**–**		Part no. **Euro** MG W
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more*	**–**	ZK01793 **302,–**		Part no. **Euro**

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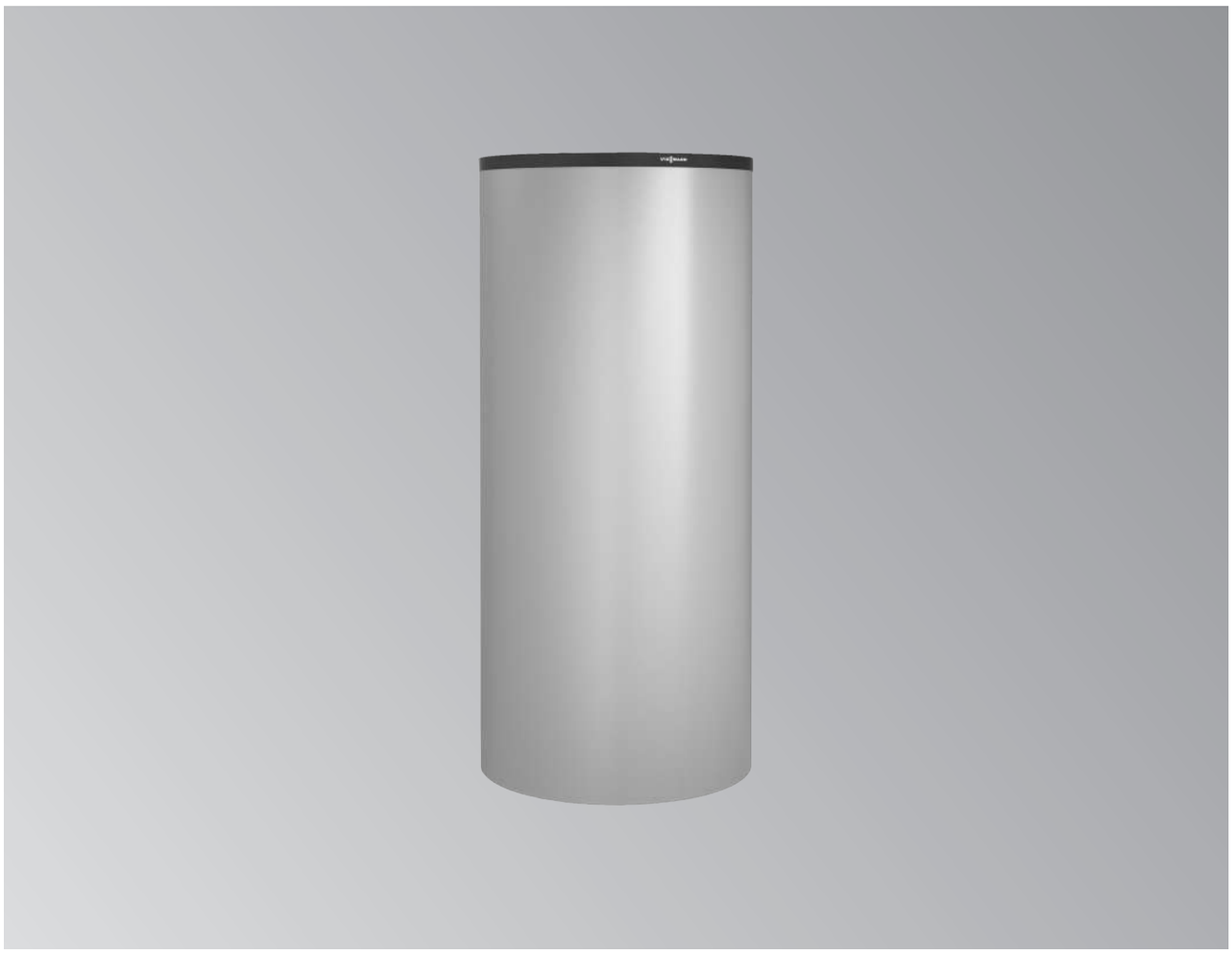
VITOCELL 050-E

Cylinder for storing heating water
600 to 950 litre capacity



Vitocell 050-E

Type SVPA

For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers.

Version to DIN 4753

- Versatile application in heating systems with several heat generators and heat consumers, thanks to multiple flow and return connections, plus additional connections for test points. Particularly suitable in conjunction with solar thermal systems, heat pumps and solid fuel boilers.

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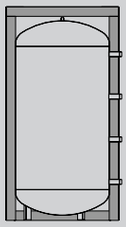
VITOCELL 050-E

Accessories

Vitocell 050-E		Cylinder capacity (litres) 600	750	950	MG WH
	**Vitocell 100-W, Vitopearlwhite** For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers With removable thermal insulation and clamping devices for fixing immersion temperature sensors to the cylinder jacket. For systems with: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z019909 **1.193,–**	Z019910 **1.255,–**	Z019911 **1.381,–**	Part no. **Euro**

Specification					
Type		SVPA	SVPA	SVPA	
Length		990	990	990	mm
Width		1015	1015	1015	mm
Height		1643	1923	2200	mm
Handling dimensions		790	790	790	Ø mm
Weight		89	100	116	kg

Accessories Cylinder capacity (litres)	600	750	950	MG W
Temperature controller ■ With a thermostatically controlled system. ■ With top-hat rail to be mounted to the DHW cylinder or on the wall. ■ Setting range 30 to 60 °C, adjustable up to 110 °C. ■ Length of capillary tube 1400 mm, sensor Ø 6 mm. ■ Without sensor well.		7151989 **114,–**		Part no. **Euro**

Miscellaneous Cylinder capacity (litres)	600	750	950	MG N
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*		ZK01793 **302,–**		Part no. **Euro**

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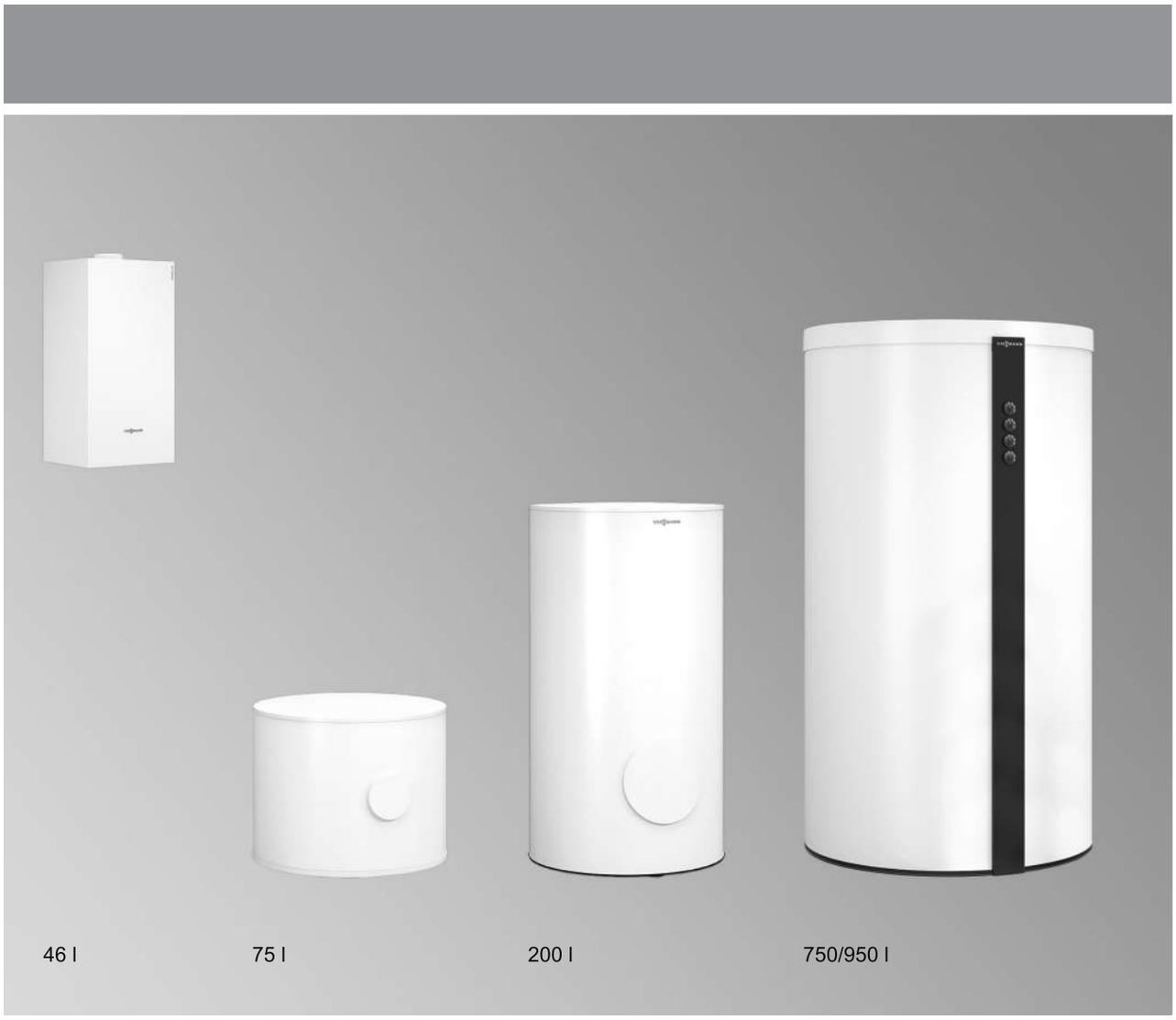
VITOCELL 100-E

Cylinder for storing heating water
46 to 950 litre capacity



Vitocell 100-E

Type SVPA
Cylinder volume: 46 l
Version to DIN 4753

Type MSCA
Cylinder volume: 50 l, 75 l
Version to DIN 4753

Type SVWA
Cylinder volume: 200 l
Version to DIN 4753

Type SVPA/SVPB
Cylinder volume: 400 l, 600 l, 750 l, 910 l
Version to DIN 4753

- With a capacity of 46 l (type SVPA), **wall mounted** as a return buffer to extend capacity in heat pump heating systems
- With a capacity of 50 l/75 l (type MSCA), **floorstanding** or for installation on the Vitocell 100-V CVWC as a low loss header or to extend capacity in heating and cooling systems with heat pumps
- With a capacity of 200 l (type SVWA), **floorstanding** as a low loss header or to extend capacity in heat pump heating systems
- With a capacity of 400 to 910 l (type SVPA/SVPB), versatile application in heating systems with several heat generators and heat consumers thanks to multiple flow and return connections, plus additional connections for test points. Particularly suitable in conjunction with solar thermal systems, heat pumps, solid fuel boilers and CHP units

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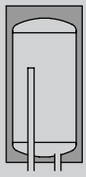
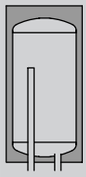
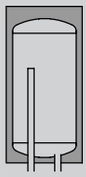
Vitocell 100-E		Capacity (litres) 46	MG WH
	**Vitocell 100-E, Vitosilver** ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R 1) ■ For ensuring the minimum system volume ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket For systems with the following operating data: ■ Heating water flow temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z015309 **716,–** B	Part no. **Euro** Energy
	**Vitocell 100-W, white** ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R 1) ■ For ensuring the minimum system volume ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket For systems with the following operating data: ■ Heating water flow temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z015310 **716,–** B	Part no. **Euro** Energy
	**Vitocell 100-W, Vitopearlwhite** ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R 1) ■ For ensuring the minimum system volume ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket For systems with the following operating data: ■ Heating water flow temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z017685 **716,–** B	Part no. **Euro** Energy

Specification			
Type		SVPA	
Length		379	mm
Width		450	mm
Height		958	mm
Weight		18	kg

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Vitocell 100-E		Capacity (litres) 50	75	MG WH
	Vitocell 100-E, Vitopearlwhite ■ For storing heating/cooling water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z026457 **583,–** B	Z026458 **742,–** B	Part no. **Euro** Energy

Specification				
Type		MSCA	MSCA	
Length		668	668	mm
Width		675	675	mm
Height		415	533	mm
Weight		40	50	kg

Vitocell 100-E type MSCA are also available in conjunction with Vitocell 100-V type CVWC as Vitocell Modular 100-VE. See separate price sheet in Pricelist 2, Register 10.4.

Accessories Cylinder capacity (litres)		50	75	MG W
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well		7151989 **114,–**		Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures		ZK05265 **75,–**		Part no. **Euro**
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**

Immersion heater Cylinder capacity (litres)		50	75	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller		–	Z012684 **617,–**	Part no. **Euro**

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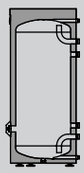
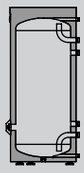
VITOCELL 100-E

Accessories

Vitocell 100-E		Capacity (litres) 200	MG WH
	**Vitocell 100-E, Vitosilver** ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z018469 **939,–** B	Part no. **Euro** Energy
	**Vitocell 100-E, Vitopearlwhite** ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z018470 **939,–** B	Part no. **Euro** Energy

Specification			
Type		SVWA	
Length		582	mm
Width		640	mm
Height		1333	mm
Weight		59	kg

Accessories Cylinder capacity (litres)		200	MG W
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well		7151989 **114,–**	Part no. **Euro**
Thermometer ■ For wall mounting ■ Digital display of 2 temperatures		ZK05265 **75,–**	Part no. **Euro**

Immersion heater Cylinder capacity (litres)		200	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller		Z012684 **617,–**	Part no. **Euro**

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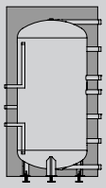
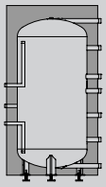
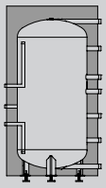
Vitocell 100-E	Thermal insulation standard	Cylinder capacity (litres)				MG WH
		400	600	750	910	
	**Vitocell 100-E, Vitosilver** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 6 bar (0.6 MPa)	Z027076 **1.181,–** C	Z027077 **1.579,–**	Z027078 **1.731,–**	Z027079 **2.001,–**	Part no. **Euro** Energy
	**Vitocell 100-E, Vitopearlwhite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 6 bar (0.6 MPa)	Z027080 **1.181,–** C	Z027081 **1.557,–**	Z027082 **1.843,–**	Z027083 **2.125,–**	Part no. **Euro** Energy
	**Vitocell 100-E, Vitographite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 6 bar (0.6 MPa)	Z027084 **1.181,–** C	Z027085 **1.557,–**	Z027086 **1.843,–**	Z027087 **2.125,–**	Part no. **Euro** Energy
Specification						
Type		SVPA	SVPB	SVPB	SVPB	
Length		860	1065	1065	1065	mm
Width		900	1110	1110	1110	mm
Height		1620	1645	1900	2200	mm
Handling dimensions		650	790	790	790	Ø mm
Weight		105	115	135	155	kg

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Accessories

Accessories

Cylinder capacity (litres)	400	600	750	910	MG W
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder Max. 4 pce	7595765 **35,–**				Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**				Part no. **Euro**
Thermal insulation caps (6 pce) For unused cylinder connections	**–**	ZK01545 **60,–**			Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	400	600	750	910	MG N
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with* 750 litre *capacity* or more	ZK01793 **302,–**				Part no. **Euro**

Vitotrans 353

Cylinder capacity (litres)	400	600	750	910	MG WH
Freshwater module with DHW circulation pump Compact and fully pre-assembled module for convenient DHW heating using the instantaneous water heating principle ■ For installation on the cylinder ■ With integral, pre-wired and preset control unit for setting the required DHW temperature ■ With large, highly efficient plate heat exchanger for a low return temperature ■ With return distribution set for temperature-dependent stratification of the return in the heating water buffer cylinder by means of a temperature control function ■ With flow rate transducer for precise flow measurement in the DHW circuit ■ With variable speed high efficiency circulation pump for the primary circuit ■ With shut-off valves with integral non-return valve ■ With pre-assembled mounting panel, pipework and connection pieces for connecting to the cylinder					
Vitotrans 353, type PZSA ■ With draw-off rate up to 25 l/min ■ Stainless steel plate heat exchanger, copper brazed	Z021868 **3.644,–**	Z021866 **3.773,–**			Part no. **Euro**
Vitotrans 353, type PZMA ■ With draw-off rate up to 48 l/min ■ Stainless steel plate heat exchanger, copper brazed	**–**	Z021867 **4.782,–**			Part no. **Euro**
Vitotrans 353, type PZMA-S ■ With draw-off rate up to 48 l/min ■ Stainless steel plate heat exchanger, stainless steel brazed	**–**	Z021871 **6.019,–**			Part no. **Euro**

Accessories

►For additional information regarding the Vitotrans 353 for wall mounting and accessories: see Register 10.10.
Please note:
Draw-off rates according to SPF test procedure
- Performance factor 1 (PF 1)
- At set DHW temperature 45 °C
- At heating water flow temperature 60 °C
- At cold water inlet temperature 10 °C

For additional draw-off rates: see datasheet.

Accessories Cylinder capacity (litres)	400	600	750	910	MG V
Heat meter (for type PZSA and PZMA/PZMA-S) ■ For installation in the freshwater module ■ Measurement of the heating water flow temperature, heating water return temperature and flow rate (primary side) ■ With display showing the heating output, energy amounts, cumulative consumption, etc.	ZK02916 **1.072,–**				Part no. **Euro**
Sampling valve (for type PZMA/PZMA-S) ■ Heat-resistant valve for taking water samples in line with the Drinking Water Ordinance [Germany]. ■ For installation in the freshwater module.	ZK02909 **145,–**				Part no. **Euro**

Immersion heater Total capacity (litres)	400	600	750	910	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**				Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012687 **715,–**				Part no. **Euro**

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VITOCELL 140-E/160-E

Cylinder for storing heating water
400 to 950 litre capacity

750/950 l

750/950 l

Vitocell 140-E/160-E

Vitocell 140-E, type SEIA/SEIC
For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers
- With integral internal indirect coil for connection to solar collectors
- Version to DIN 4753

Vitocell 160-E, type SESB
For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers
- With integral internal indirect coil for connection to solar collectors and stratification system
- Version to DIN 4753

- Versatile application in heating systems with several heat generators and heat consumers, thanks to multiple flow and return connections, plus additional connections for test points. Particularly suitable in conjunction with solar thermal systems, heat pumps and solid fuel boilers
- Low heat losses due to high grade, all-round thermal insulation
- Vitotrans 353 freshwater module for hygienic DHW heating using the instantaneous water heating principle; available as an accessory for installation on the cylinder
- Pump module for the collector circuit (Solar-Divicon with connection set) for straightforward installation on the cylinder; available as an accessory (part of the standard delivery of the Vitocell 140-E with 400 l capacity)

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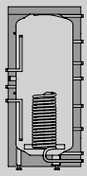
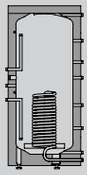
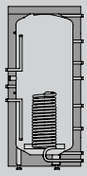
VITOCELL 140-E/160-E

Vitocell 140-E		Cylinder capacity (litres)			MG WH
		600	750	950	
	**Vitocell 140-E, Vitosilver** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z014454 **1.835,–**	Z014455 **2.057,–**	Z014456 **2.453,–**	Part no. **Euro**
	**Vitocell 140-E, Vitopearlwhite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021879 **1.835,–**	Z021880 **2.057,–**	Z021881 **2.453,–**	Part no. **Euro**
	**Vitocell 140-E, Vitographite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z024753 **1.835,–**	Z024754 **2.057,–**	Z024755 **2.453,–**	Part no. **Euro**

Specification					
Type		SEIC	SEIC	SEIC	
Length		1064	1064	1064	mm
Width		1119	1119	1119	mm
Height		1645	1900	2200	mm
Handling dimensions		790	790	790	Ø mm
Weight		135	159	182	kg

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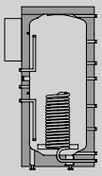
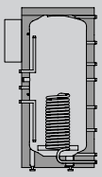
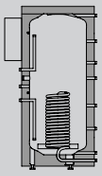
Vitocell 140-E		Capacity (litres) 400	MG WH
	**Vitocell 140-E, Vitopearlwhite** ■ **With Solar-Divicon without solar controller** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021876 **2.688,–** B	Part no. **Euro** Energy
	**Vitocell 140-E, Vitopearlwhite** ■ **With Solar-Divicon with SDIO/SM1A electronics module** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021877 **3.031,–** B	Part no. **Euro** Energy
	**Vitocell 140-E, Vitopearlwhite** ■ **With Solar-Divicon with Vitosolic 100 (type SD1)** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors and clamping devices for attaching immersion temperature sensors For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021878 **3.082,–** B	Part no. **Euro** Energy

Specification			
Type		SEIA	
Length		859	mm
Width		1089	mm
Height		1617	mm
Handling dimensions		650	Ø mm
Weight		154	kg

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►For additional information and accessories for the Solar-Divicon, see Register 9.4
►For additional information and accessories for the solar controller, see Register 9.5

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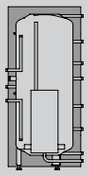
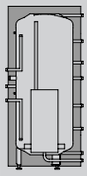
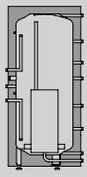
Vitocell 160-E		Cylinder capacity (litres)		MG WH
		750	950	
	**Vitocell 160-E, Vitosilver** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors, stratification system and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z014457 **2.863,–**	Z014458 **3.608,–**	Part no. **Euro**
	**Vitocell 160-E, Vitopearlwhite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors, stratification system and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z021882 **2.863,–**	Z021883 **3.608,–**	Part no. **Euro**
	**Vitocell 160-E, Vitographite** ■ For storing heating water in conjunction with solar thermal systems, heat pumps and solid fuel boilers ■ With removable thermal insulation, integral internal indirect coil for connection to solar collectors, stratification system and clamping devices for attaching immersion temperature sensors to the cylinder jacket For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Solar flow temperature up to 140 °C ■ Operating pressure on the solar side up to 10 bar (1 MPa)	Z024756 **2.863,–**	Z024757 **3.608,–**	Part no. **Euro** Energy

Specification				
Type		SESB	SESB	
Length		1064	1064	mm
Width		1119	1119	mm
Height		1900	2200	mm
Handling dimensions		790	790	Ø mm
Weight		168	193	kg

Accessories

Accessories Cylinder capacity (litres)	400	600	750	950	MG WO
Solar-Divicon with connection set Fully fitted set for connection to the solar side of the solar indirect coil in the heating water buffer cylinder ■ Solar-Divicon, type PS10 (pump module for collector circuit) for installation on the cylinder with a variable speed high efficiency circulation pump ■ Pre-assembled pipework with fittings for connection to the Vitocell *Part of the standard delivery with 400 litre cylinder capacity* 					
Solar-Divicon with SDIO/SM1A electronics module	**–**	Z021905 **1.474,–**			Part no. **Euro**
Solar-Divicon with Vitosolic 100 (type SD1)	**–**	Z021906 **1.525,–**			Part no. **Euro**
Solar-Divicon without solar controller	**–**	Z021907 **1.131,–**			Part no. **Euro**

►For additional information and accessories for the Solar-Divicon, see Register 9.4
►For additional information and accessories for the solar controller, see Register 9.5

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Accessories

Vitotrans 353

Cylinder capacity (litres)	400	600	750	950	MG WH
Freshwater module with DHW circulation pump Compact and fully pre-assembled module for convenient DHW heating using the instantaneous water heating principle ■ For installation on the cylinder ■ With integral, pre-wired and preset control unit for setting the required DHW temperature ■ With large, highly efficient plate heat exchanger for a low return temperature ■ With return distribution set for temperature-dependent stratification of the return in the heating water buffer cylinder by means of a temperature control function ■ With flow rate transducer for precise flow measurement in the DHW circuit ■ With variable speed high efficiency circulation pump for the primary circuit ■ With shut-off valves with integral non-return valve ■ With pre-assembled mounting panel, pipework and connection pieces for connecting to the cylinder					
Vitotrans 353, type PZSA ■ With draw-off rate up to 25 l/min ■ Stainless steel plate heat exchanger, copper brazed	Z021868 **3.644,–**	Z021866 **3.773,–**			Part no. **Euro**
Vitotrans 353, type PZMA ■ With draw-off rate up to 48 l/min ■ Stainless steel plate heat exchanger, copper brazed	**–**	Z021867 **4.782,–**			Part no. **Euro**
Vitotrans 353, type PZMA-S ■ With draw-off rate up to 48 l/min ■ Stainless steel plate heat exchanger, stainless steel brazed	**–**	Z021871 **6.019,–**			Part no. **Euro**

Please note:
Draw-off rates according to SPF test procedure
■ Performance factor 1 (PF 1)
■ At set DHW temperature 45 °C
■ At heating water flow temperature 60 °C
■ At cold water inlet temperature 10 °C
For additional draw-off rates: see datasheet.

►For additional information regarding the Vitotrans 353 for wall mounting and accessories: see Register 10.10.

Accessories

Cylinder capacity (litres)	400	600	750	950	
Heat meter (for type PZSA and PZMA/PZMA-S) ■ For installation in the freshwater module ■ Measurement of the heating water flow temperature, heating water return temperature and flow rate (primary side) ■ With display showing the heating output, energy amounts, cumulative consumption, etc.	ZK02916 **1.072,–**				Part no. **Euro** MG V
Sampling valve (for type PZMA/PZMA-S) ■ Heat-resistant valve for taking water samples in line with the Drinking Water Ordinance [Germany]. ■ For installation in the freshwater module.	ZK02909 **145,–**				Part no. **Euro** MG V

Accessories

Accessories

Cylinder capacity (litres)	400	600	750	950	MG W
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**				Part no. **Euro**
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder Max. 4 pce	7595765 **35,–**				Part no. **Euro**
Thermal insulation caps (6 pce) For unused cylinder connections	–	ZK01545 **60,–**			Part no. **Euro**

Immersion heater

Cylinder capacity (litres)	400	600	750	950	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller	Z012684 **617,–**				Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller	–	Z012687 **715,–**			Part no. **Euro**

Miscellaneous

Cylinder capacity (litres)	400	600	750	950	MG N
Transport aid For easier handling of all vertical DHW cylinders With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*	ZK01793 **302,–**				Part no. **Euro**

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VITOCELL 320-M

Heating water buffer cylinders with DHW heating
750 and 910 litre capacity

Vitocell 320-M

Vitocell 320-M, type SVHA
Multi mode heating water buffer cylinder with integral DHW heating

- Vitocell 320-M - combination of heating water buffer cylinder and DHW cylinder
- For heating systems with multiple heat generators. Particularly suitable in conjunction with Viessmann wood heating systems for DHW heating and central heating backup
- Connections at different heights enable the utilisation of different heat generators.
- Modest space requirement and straightforward installation – combined DHW cylinder and buffer cylinder in a single appliance
- Corrugated DHW pipe made from high alloy stainless steel, integrated inside the cylinder to be flexible and stress-free
- 2 immersion heaters (accessories): 1 immersion heater for integrating photovoltaic systems and 1 immersion heater for the comfort function in summer mode in conjunction with wood heating systems

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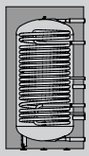
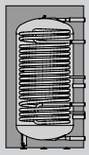
VITOCELL 320-M

Vitocell 320-M	Standard thermal insulation	Total capacity (litres)		MG WH
		750	910	
	**Vitocell 320-M, Vitopearlwhite** Heating water buffer cylinder with integral stainless steel corrugated pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024672 **4.486,–**	Z024673 **5.064,–**	Part no. **Euro**
	**Vitocell 320-M, Vitographite** Heating water buffer cylinder with integral stainless steel corrugated pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024674 **4.486,–**	Z024675 **5.064,–**	Part no. **Euro**
Specification				
Type		SVHA	SVHA	
Length		1064	1064	mm
Width		1119	1119	mm
Height		1900	2200	mm
Handling dimensions		790	790	Ø mm
Weight		164	187	kg
Heating water capacity		721	881	l
DHW capacity		29	29	l

Please note:
For connecting a DHW circulation pipe, a threaded DHW circulation fitting (part no. 7457484) must also be ordered as an accessory.

Heating water buffer cylinder with a cylinder capacity of 400 l (without solar indirect coil): See Vitocell 340-M price sheet.

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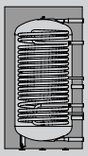
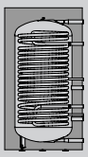
Vitocell 320-M	Highly efficient thermal insulation	Total capacity (litres)		MG WH
		750	910	
	**Vitocell 320-M, Vitopearlwhite** Heating water buffer cylinder with integral stainless steel corrugated pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024791 **5.114,–**	Z024792 **5.774,–**	Part no. **Euro**
	**Vitocell 320-M, Vitographite** Heating water buffer cylinder with integral stainless steel corrugated pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024793 **5.114,–**	Z024794 **5.774,–**	Part no. **Euro**

Specification				
Type		SVHA	SVHA	
Length		1064	1064	mm
Width		1119	1119	mm
Height		1970	2275	mm
Handling dimensions		790	790	Ø mm
Weight		168	191	kg
Heating water capacity		721	881	l
DHW capacity		29	29	l

Please note:
For connecting a DHW circulation pipe, a threaded DHW circulation fitting (part no. 7457484) must also be ordered as an accessory.

Heating water buffer cylinder with a cylinder capacity of 400 l (without solar indirect coil): See Vitocell 340-M price sheet.

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Accessories

Accessories Total capacity (litres)	750	910	MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW	7180662 **251,–**		Part no. **Euro**
Threaded DHW circulation fitting For connecting a DHW circulation pipe to the DHW connection	7457484 **153,–**		Part no. **Euro**
Temperature controller ■ With a thermostatically controlled system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well	7151989 **114,–**		Part no. **Euro**
Circulation pump for cylinder heating For boilers up to 40 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172611 **460,–**		Part no. **Euro**
Circulation pump for cylinder heating For boilers from 40 to 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172612 **534,–**		Part no. **Euro**
Circulation pump for cylinder heating For boilers from 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve	7172613 **1.485,–**		Part no. **Euro**
Threaded elbow For installing a cylinder temperature sensor in the heating flow or return.	7219729 **41,–**		Part no. **Euro**
Thermostatic DHW circulation set For integration in hot water systems **with** DHW circulation pipe ■ Automatic thermostatic mixing valve ■ Setting range: 35 to 60 °C ■ Integral non-return valves ■ Threaded connection R ¾ ■ Thermal insulation	ZK01284 **337,–**		Part no. **Euro**
Automatic thermostatic mixing valve For integration in hot water systems **without** DHW circulation pipe ■ Setting range: 35 to 60 °C ■ Threaded connection G 1, flat gasket	7438940 **85,–**		Part no. **Euro**
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder Max. 4 pce	7595765 **35,–**		Part no. **Euro**

Accessories

Diverter valves

Total capacity (litres)	750	910	MG W
3-way diverter valve ■ With electric drive ■ Connection R 1 (female thread)	7814924 **350,–**		Part no. **Euro**

Immersion heater

Total capacity (litres)	750	910	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller	Z012687 **715,–**		Part no. **Euro**

Miscellaneous

Total capacity (litres)	750	910	MG N
Transport aid For easier handling of all vertical DHW cylinders ■ With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with* 750 litre *capacity* or more	ZK01793 **302,–**		Part no. **Euro**

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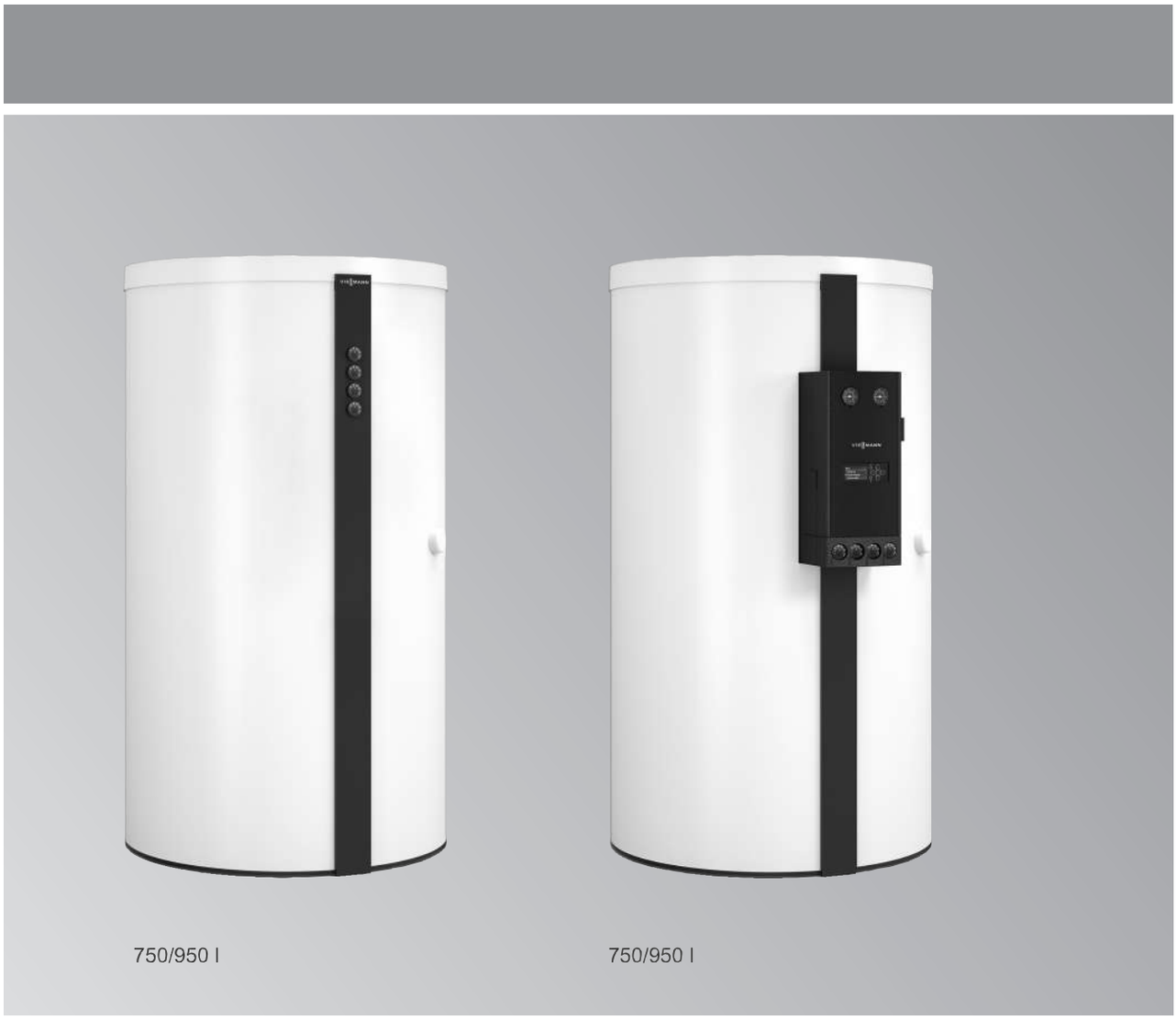
VITOCELL 340-M/360-M

Heating water buffer cylinders with DHW heating
400, 750 and 950 litre capacity



750/950 l

750/950 l

Vitocell 340-M/360-M

Vitocell 340-M, type SVKA
Multi mode heating water buffer cylinder with integral DHW heating

Vitocell 340-M, type SVKC
Multi mode heating water buffer cylinder with integral DHW heating, internal indirect coil for connection to solar collectors and optional Solar-Divicon

Vitocell 360-M, type SVSB
Multi mode heating water buffer cylinder with stratification system, integral DHW heating, internal indirect coil for connection to solar collectors and optional Solar-Divicon

- Vitocell 340-M/360-M – combination of heating water buffer cylinder and DHW cylinder
- For heating systems with several heat generators. Particularly suitable in connection with Viessmann solar thermal systems for DHW heating and central heating backup
- Connections at different heights enable the utilisation of different heat generators, e.g. a solid fuel boiler. The temperature stratification remains unaffected.
- Modest space requirement and straightforward installation – combined DHW cylinder and buffer cylinder in a single appliance
- Corrugated DHW pipe made from high-alloy stainless steel, integrated inside the cylinder to be flexible and stress-free
- Optimum utilisation of solar energy through deliberate cooling in the lower section via the large indirect coil surface of the corrugated DHW pipe
- Vitocell 360-M: the stratification system ensures that the water heated by solar energy is stratified into temperature layers, making DHW heated in this way available very quickly.

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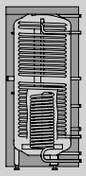
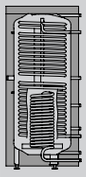
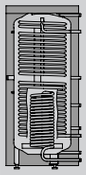
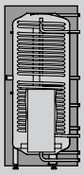
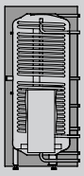
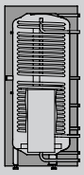
Vitocell 340-M		Capacity (litres)		MG WH
		750	950	
	**Vitocell 340-M, Vitosilver** Heating water buffer cylinder with solar indirect coil, integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z014459 **4.873,–**	Z014460 **5.620,–**	Part no. **Euro** Energy
	**Vitocell 340-M, Vitopearlwhite** Heating water buffer cylinder with solar indirect coil, integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z021892 **4.873,–**	Z021893 **5.620,–**	Part no. **Euro**
	**Vitocell 340-M, Vitographite** Heating water buffer cylinder with solar indirect coil, integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024759 **4.873,–**	Z024760 **5.620,–**	Part no. **Euro**

Specification				
Type		SVKC	SVKC	
Length		1064	1064	mm
Width		1119	1119	mm
Height		1900	2200	mm
Handling dimensions		790	790	Ø mm
Weight		199	222	kg
Heating water capacity		708	906	l
DHW capacity		30	30	l
Solar indirect coil capacity		12	14	l

Please note:
If connecting a DHW circulation pipe, the threaded DHW circulation fitting (accessories, part no. 7457484) must also be ordered.

Vitocell 360-M		Capacity (litres) 750	950	MG WH
	**Vitocell 360-M, Vitosilver** Heating water buffer cylinder with solar indirect coil, stratification system and integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z014461 **5.935,–**	Z014462 **6.951,–**	Part no. **Euro**
	**Vitocell 360-M, Vitopearlwhite** Heating water buffer cylinder with solar indirect coil, stratification system and integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z021895 **5.935,–**	Z021896 **6.951,–**	Part no. **Euro**
	**Vitocell 360-M, Vitographite** Heating water buffer cylinder with solar indirect coil, stratification system and integral corrugated stainless steel pipe for DHW heating, 2 thermometers, clamping devices for attaching immersion temperature sensors to the cylinder jacket and removable thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Solar flow temperature up to 140 °C ■ Permissible DHW temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa) ■ Operating pressure on the solar side up to 10 bar (1 MPa) ■ Operating pressure on the DHW side up to 10 bar (1 MPa)	Z024761 **5.935,–**	Z024762 **6.951,–**	Part no. **Euro**

Specification				
Type		SVSB	SVSB	
Length		1064	1064	mm
Width		1119	1119	mm
Height		1900	2200	mm
Handling dimensions		790	790	Ø mm
Weight		208	231	kg
Heating water capacity		708	906	l
DHW capacity		30	30	l
Solar indirect coil capacity		12	14	l

Please note:
If connecting a DHW circulation pipe, the threaded DHW circulation fitting (accessories, part no. 7457484) must also be ordered.

Accessories

Accessories

Cylinder capacity (litres)	750	950	MG WO
Solar-Divicon with connection set Fully fitted set for connection to the solar side of the solar indirect coil in the heating water buffer cylinder ■ Solar-Divicon, type PS10 (pump module for collector circuit) for mounting on the cylinder with a variable speed high efficiency circulation pump ■ Pre-assembled pipework with fittings for connection to the Vitocell			
Solar-Divicon with SDIO/SM1A electronics module	Z021905 **1.474,–**		Part no. **Euro**
Solar-Divicon with Vitosolic 100 (type SD1)	Z021906 **1.525,–**		Part no. **Euro**
Solar-Divicon without solar controller	Z021907 **1.131,–**		Part no. **Euro**

►For additional information and accessories for the Solar-Divicon, see Register 8.4
►For additional information and accessories for the solar controller, see Register 8.5

Accessories

Total capacity (litres)	750	950	MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector Max. heat input: 150 kW		7180662 **251,–**	Part no. **Euro**
Threaded DHW circulation fitting For connecting a DHW circulation pipe to the DHW connection		7457484 **153,–**	Part no. **Euro**
Temperature controller ■ With a thermostatic system ■ With top-hat rail to be fitted to the DHW cylinder or the wall ■ Setting range 30 to 60 °C, adjustable up to 110 °C ■ Length of capillary tube 1400 mm, sensor Ø 6 mm ■ Without sensor well		7151989 **114,–**	Part no. **Euro**
Circulation pump for cylinder heating For boilers up to 40 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve		7172611 **460,–**	Part no. **Euro**
Circulation pump for cylinder heating For boilers from 40 to 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve		7172612 **534,–**	Part no. **Euro**
Circulation pump for cylinder heating For boilers from 70 kW ■ High efficiency circulation pump ■ Fully wired ■ With check valve		7172613 **1.485,–**	Part no. **Euro**

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Accessories

Accessories

Total capacity (litres)	750	950	MG W
Threaded elbow For installing a cylinder temperature sensor in the heating flow or return.	7219729 **41,–**		Part no. **Euro**
Thermostatic DHW circulation set For integration in hot water systems **with** DHW circulation pipe ■ Automatic thermostatic mixing valve ■ Setting range: 35 to 60 °C ■ Integral non-return valves ■ Threaded connection R ¾ ■ Thermal insulation	ZK01284 **337,–**		Part no. **Euro**
Automatic thermostatic mixing valve For integration in hot water systems **without** DHW circulation pipe ■ Setting range: 35 to 60 °C ■ Threaded connection G 1, flat gasket	7438940 **85,–**		Part no. **Euro**
Thermometer, analogue For installation in the thermal insulation or front panel of the DHW cylinder Max. 4 pce The Vitocell 340-M with 400 litre capacity is provided with 2 thermometers; these are already installed.	**–**	7595765 **35,–**	Part no. **Euro**

Diverter valves

Total capacity (litres)	750	950	MG W
3-way diverter valve ■ With electric drive ■ Connection R 1 (female thread)	7814924 **350,–**		Part no. **Euro**

Immersion heater

Total capacity (litres)	750	950	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **4, 8 or 12 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012687 **715,–**		Part no. **Euro**

Miscellaneous

Total capacity (litres)	750	950	MG N
Transport aid For easier handling of all vertical DHW cylinders With **removable** thermal insulation *Not suitable for Vitocell 100-V/-B/-L with 750 litre capacity or more.*	ZK01793 **302,–**		Part no. **Euro**

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VITOTRANS 353

Freshwater module
For DHW heating using the instantaneous water heating principle
For wall mounting

PBSA
PBMA/PBMA-S

PBLA/PBLA-S

Vitotrans 353

Vitotrans 353, type PBSA
Draw-off rate up to 25 l/min

Vitotrans 353, type PBMA, PBMA-S
Draw-off rate up to 48 l/min

Vitotrans 353, type PBLA, PBLA-S
Draw-off rate up to 68 l/min

- High draw-off rate enables a wide application range, e.g. in detached and two-family houses, sports facilities, retirement homes
- Thanks to the instantaneous water heating principle, fresh DHW is available at all times; no DHW storage is required.
- Pre-installed module for quick and easy wall or cylinder mounting - the control unit and high efficiency circulation pump are already fitted and connected.
- The compact design enables easy integration into an existing heating system with heating water buffer cylinder
- Ideally suited for connection to low temperature heating systems with solar thermal systems, due to the low flow temperature required
- Can be linked in cascade arrangement without additional external control unit (type PBMA/PBMA-S/PBLA/PBLA-S)
- Available for varying water qualities with a copper brazed or stainless steel brazed plate heat exchanger

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VITOTRANS 353

Freshwater module

Vitotrans 353 with stainless steel plate heat exchanger, copper brazed

Vitotrans 353		MG WH
Vitotrans 353 freshwater module (without DHW circulation pump) Compact and fully pre-assembled module for convenient DHW heating using the instantaneous water heating principle ■ For wall mounting ■ With integral, prewired and preset control unit for setting the required DHW temperature, plus thermostatic control of the distribution set ■ With large, highly efficient plate heat exchanger for a low return temperature ■ With flow rate transducer for precise flow measurement in the DHW circuit ■ With variable speed high efficiency circulation pump for the primary circuit ■ With shut-off valves with integral non-return valve ■ With wall mounting bracket and thermal insulation ■ Can be linked in cascade with 4 of the same modules (type PBMA/PBLA).		
Vitotrans 353, type PBSA With draw-off rate up to 25 l/min Length 346 mm Height 943 mm Width 250 mm Weight 19 kg 	Z021863 **2.728,–**	Part no. **Euro**
Vitotrans 353, type PBMA With draw-off rate up to 48 l/min Length 346 mm Height 943 mm Width 250 mm Weight 26 kg 	Z021864 **3.623,–**	Part no. **Euro**
Vitotrans 353, type PBLA With draw-off rate up to 68 l/min Length 342 mm Height 990 mm Width 410 mm Weight 36 kg 	Z021865 **5.011,–**	Part no. **Euro**

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►Vitotrans 353 for installation on a heating water buffer cylinder: see Vitocell 100-E/120-E/140-E/160-E.

Please note:
Draw-off rates according to SPF test procedure
■ Performance factor 1 (PF 1)
■ At set DHW temperature 45 °C
■ At heating water flow temperature 60 °C
■ At cold water inlet temperature 10 °C
For additional draw-off rates: see datasheet.

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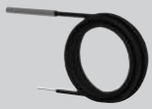
Vitotrans 353 with stainless steel plate heat exchanger, stainless steel brazed

Vitotrans 353		MG WH
Vitotrans 353 freshwater module (without DHW circulation pump) Compact and fully pre-assembled module for convenient DHW heating using the instantaneous water heating principle ■ For wall mounting ■ With integral, prewired and preset control unit for setting the required DHW temperature, plus thermostatic control of the distribution set ■ With large, highly efficient plate heat exchanger for a low return temperature ■ With flow rate transducer for precise flow measurement in the DHW circuit ■ With variable speed high efficiency circulation pump for the primary circuit ■ With shut-off valves with integral non-return valve ■ With wall mounting bracket and thermal insulation ■ Can be linked in cascade with 4 of the same modules (type PBMA/PBLA).		
Vitotrans 353, type PBMA-S With draw-off rate up to 48 l/min Length 346 mm Height 943 mm Width 250 mm Weight 26 kg 	Z021869 **4.477,–**	Part no. **Euro**
Vitotrans 353, type PBLA-S With draw-off rate up to 68 l/min Length 342 mm Height 990 mm Width 410 mm Weight 36 kg 	Z021870 **6.038,–**	Part no. **Euro**

►Vitotrans 353 for installation on a heating water buffer cylinder: see Vitocell 100-E/120-E/140-E/160-E.

Please note:
Draw-off rates according to SPF test procedure
■ Performance factor 1 (PF 1)
■ At set DHW temperature 45 °C
■ At heating water flow temperature 60 °C
■ At cold water inlet temperature 10 °C
For additional draw-off rates: see datasheet.

Accessories		
Accessories		MG V
DHW circulation set (for type PBSA) ■ For installation in the freshwater module ■ For retrofitting the freshwater module (for wall mounting) with a DHW circulation pump ■ With shut-off valve, variable speed high efficiency circulation pump and pipework	ZK02901 **734,–**	Part no. **Euro**
DHW circulation set (for type PBMA/PBMA-S and PBLA/PBLA-S) ■ For installation in the freshwater module ■ For retrofitting the freshwater module (for wall mounting) with a DHW circulation pump ■ With shut-off valve, variable speed high efficiency circulation pump and pipework	ZK02902 **734,–**	Part no. **Euro**
Return distribution set (for type PBSA) ■ 3-way diverter valve G 1 (male) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder	ZK02903 **388,–**	Part no. **Euro**
Return distribution set (for type PBMA/PBMA-S) ■ 3-way diverter valve G 1¼ (male) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder	ZK02904 **448,–**	Part no. **Euro**
Return distribution set (for type PBLA/PBLA-S) ■ 3-way diverter valve G 1½ (male) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder	ZK02905 **464,–**	Part no. **Euro**
Sampling valve (for type PBMA/PBMA-S and PBLA/PBLA-S) ■ Heat-resistant valve for taking water samples in line with the Drinking Water Ordinance [Germany] ■ For installation in the freshwater module	ZK02909 **145,–**	Part no. **Euro**
Sensors		MG V
Pt1000 immersion temperature sensor To capture the temperature in a sensor well. With connecting lead (5 m long) ■ For switching the return distribution set by means of temperature differential control (one of the temperature sensors required for this is included in the standard delivery of the freshwater module). ■ For installation in the heating water buffer cylinder	ZK02908 **55,–**	Part no. **Euro**

Accessories		
Freshwater module as a cascade		MG V
Diverter valve (for type PBMA/PBMA-S) ■ 2-way valve G 1 (male) for external installation ■ For each freshwater module of the cascade (1 x required per freshwater module)	ZK02910 **412,–**	Part no. **Euro**
Diverter valve (for type PBLA/PBLA-S) ■ 2-way valve G1¼ (male) for external installation ■ For each freshwater module of the cascade (1 x required per freshwater module)	ZK02911 **443,–**	Part no. **Euro**
Return distribution set For cascade with 2 modules. ■ 3-way diverter valve Rp 1½ (female) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder	ZK02906 **437,–**	Part no. **Euro**
Return distribution set For cascade with 3 or 4 modules. ■ 3-way diverter valve Rp 2 (female) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder	ZK02907 **519,–**	Part no. **Euro**
DHW circulation pump (70 W) ■ High efficiency circulation pump for DHW circulation ■ For external installation ■ For switching via the freshwater module control unit *Only high efficiency circulation pumps can be connected to the Vitotrans 353 control unit.*	ZK02912 **458,–**	Part no. **Euro**
DHW circulation pump (140 W) ■ High efficiency circulation pump for DHW circulation ■ For external installation ■ For switching via the freshwater module control unit *Only high efficiency circulation pumps can be connected to the Vitotrans 353 control unit.*	ZK02913 **603,–**	Part no. **Euro**
VBus cable For connecting the control units of the freshwater modules in a cascade.	ZK02914 **21,–**	Part no. **Euro**
Contact temperature sensor Pt1000 ■ To capture a temperature on a pipe ■ For optimised control of the DHW circulation pump	ZK02915 **56,–**	Part no. **Euro**
Sensors		MG V
Pt1000 immersion temperature sensor To capture the temperature in a sensor well. With connecting lead (5 m long) ■ For switching the return distribution set by means of temperature differential control (one of the temperature sensors required for this is included in the standard delivery of the freshwater module). ■ For installation in the heating water buffer cylinder 	ZK02908 **55,–**	Part no. **Euro**
Accessories		MG V
Sampling valve (for type PBMA/PBMA-S and PBLA/PBLA-S) ■ Heat-resistant valve for taking water samples in line with the Drinking Water Ordinance [Germany] ■ For installation in the freshwater module	ZK02909 **145,–**	Part no. **Euro**

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VITOTRANS 100

Plate heat exchanger for transfer stations from heat supply networks, for system separation in heating systems with underfloor heating and for DHW heating

Vitotrans 100 Size	1	2	3	MG W
Vitotrans 100, type PWT Heat exchanger plates and connections made of stainless steel (1.4401). With thermal insulation. ■ **Permiss. operating temperature 130 °C** ■ **Permiss. operating pressure** (primary/secondary side) **30 bar (3 MPa)** For heating outputs, see datasheet.	3003485 **642,–**	3003486 **811,–**	3003487 **1.100,–**	Part no. **Euro**

Accessories		MG W
1 set fittings G 1¼ With flanged bushes and weld fitting DN 25 in St37.	7219771 **67,–**	Part no. **Euro**
1 set fittings G 1¼ Can **only** be used with permissible operating temperature up to 120 °C and permissible operating pressure up to 10 bar (1 MPa). With flanged bushes and solder fitting DN 20 in gunmetal.	7219769 **67,–**	Part no. **Euro**
1 set fittings G 1¼ Can **only** be used with permissible operating temperature up to 120 °C and permissible operating pressure up to 10 bar (1 MPa). With flanged bushes and solder fitting DN 25 in gunmetal.	7219770 **67,–**	Part no. **Euro**

Vitotrans 100 Size	11	12	13	14	15	16	17	18	MG W
Vitotrans 100, type PWT Heat exchanger plates and connections made of stainless steel (1.4401). With thermal insulation. ■ **Permiss. operating temperature 200 °C** ■ **Permiss. operating pressure** (primary/secondary side) **30 bar (3 MPa)** For heating outputs, see datasheet.	3003488 **1.140,–**	3003489 **1.615,–**	3003490 **2.073,–**	3003491 **2.566,–**	3003492 **1.423,–**	3003493 **1.929,–**	3003494 **2.580,–**	3003495 **3.327,–**	Part no. **Euro**

Accessories		MG W
1 set fittings G 1 With flanged bushes and weld fitting DN 20 in St37.	7219402 **36,–**	Part no. **Euro**
1 set fittings G 1 Can **only** be used with permissible operating temperature up to 120 °C and permissible operating pressure up to 10 bar (1 MPa). With flanged bushes and solder fitting DN 20 in gunmetal.	7219401 **36,–**	Part no. **Euro**

Please note:
2 sets of fittings (primary and secondary) **must** be ordered for each Vitotrans 100.
1 set fittings includes 2 flanged bushes, 2 union nuts and 2 gaskets.

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Vitotrans 200 Size	1	2	3	4	5	6	7	MG W
Vitotrans 200, type WTT **Heat exchanger for heating DHW and swimming pool water with heating tube bundle made from Turbotec pipes.** Heating tube bundle made from high alloy stainless steel. ■ Heating water side up to 110 °C and 10 bar (1 MPa) pressure ■ Secondary side up to 6 bar (0.6 MPa) pressure For heating outputs with different temperature spreads, see datasheet.	3003453 **2.314,–**	3003454 **3.634,–**	3003455 **4.809,–**	3003456 **6.450,–**	3003457 **8.569,–**	3003458 **11.560,–**	3003459 **19.034,–**	Part no. **Euro**

Accessories Size	1	2	3	4	5	6	7	MG W
1 mating flange set (2 pce) For further installation on the secondary side. Material: PVC	-	DN 80 7019955 **240,–**		DN 100 7019956 **319,–**		DN 125 7019957 **535,–**	DN 150 7033289 **677,–**	Part no. **Euro**

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VITOTRANS 200

Heat exchanger for obtaining heating energy
in conjunction with steam heating systems

Vitotrans 200 Size	11	12	13	14	15	16	MG W
Vitotrans 200, type WTD **Heat exchanger for steam heating systems with heating tube bundle made from Turbotec pipes.** Heating tube bundle made from high alloy stainless steel. ■ Saturated steam up to 13 bar (1.3 MPa) pressure **CE designation in accordance with Pressure Equipment Directive CE-0035.** For heating outputs, see datasheet.	3003473 **4.137,–**	3003474 **5.917,–**	3003475 **7.409,–**	3003476 **11.450,–**	3003477 **17.037,–**	3003478 **24.444,–**	Part no. **Euro**

Connectivity
Smart Home system
Building automation
Accessories for heating systems

Digital services 11.1
– System operation with ViCare app, system management with ViGuide, smart thermostats, Energy Management

Connectivity and individual room control via WiFi with Vitoconnect
– Vitoconnect and accessories including ViCare thermostatic radiator valve, climate sensor, etc. 11.2
– ViCare Smart Climate 11.3

Building automation for devices with LON interface 11.4
– Vitogate 200, type KNX (for KNX systems)
– Vitogate 300, type BN/MB (for BACnet/Modbus systems)

Building automation for devices with CAN bus interface 11.5
– WAGO gateway, type KNX/TP (for KNX systems)
– WAGO gateway, type MB/TCP and type MB/RTU (for Modbus systems)

Vitotronic 200-H Heating circuit control units 11.6

Control unit accessories 11.7
– Mixers
– Mixer motors and sensors
– Temperature controllers

Low loss headers 11.8

Vitoset Aqua 11.9

Water purification

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Viessmann's integrated range of solutions

Value added services	
Digital services	ViCare ViGuide
Connectivity and platforms	Vitoconnect
Products & systems	**VITOGATE 200** **VITOGATE 300** WAGO gateway **VITOTRONIC 200-H** Vitoset Aqua and smart thermostats

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Digital services

Digital Services complement the range of products and support system operators in controlling and trade partners in commissioning and servicing the systems. This makes them an indispensable part of Viessmann's integrated range of services.

Digital Services come in versions with different levels of features, which may be provided free of charge or charged for.

Software-based solutions allow systems to be adapted more specifically to the individual customer's requirements.

- The combination of hardware and Digital Services promotes the responsible use of resources.
- Partners and their customers only pay for services agreed on and purchased.
- Software updates, the integration of Digital Services and the incorporation into platforms ensure that Viessmann products are always up to date.

11.1

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Mobile applications for system operators

Communication technology

ViCare app

The ViCare app enables the system user to control their system via smartphone or tablet. The ViCare app makes system operation extremely convenient for users. The app focuses on the user's needs and is consequently designed with these in mind.

Additional functions can be added subject to a charge. See the Apple App Store or Google Play Store.

Significant product features:

- Overview of temperatures of connected heating circuits. Up to 3 heating circuits are possible.
- Direct selection of required temperatures and heating times at heating circuit level or room control level, if individual room control is activated
- Adjustments are supported by intelligent assistant functions, e.g. heating time assistant
- Controlling DHW temperatures and times
- Option to link to contractor
- Push notification if a system fault occurs
- Error notification in plain text
- Voice control of the system via speech assistant possible (e.g. Amazon Alexa or Google Home). Does not work in LT/LV/EE.

System requirements:

- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- WiFi in the building
- Internet access
- Smartphone or tablet with operating system:
  - iOS
  - Android

Notes:

- Observe the terms of use when utilising the ViCare app.
- Available features depend on the Viessmann system used and its firmware version.
- Max. 2 systems and max. 2 communication modules can be controlled with just one account
- For more information on system requirements as well as the registration and use of the ViCare app. see **www.vicare.info** and Apple App Store or Google Play Store.

Mobile applications for trade partners

Tools for service, maintenance and commissioning

MG N

ViGuide

ViGuide lets you commission Viessmann appliances with integral communication module quickly and easily. ViGuide guides you through the commissioning process step by step, thus ensuring that all required commissioning steps are performed fully and in the correct sequence.
With its multiple functions, ViGuide enables better service and better maintenance of the appliance. This lets you optimise work processes and make servicing and maintenance even more customer-friendly for the system operator. For further information on the individual features and their use, see **www.viguide.info**

Significant product features:
- Guided commissioning process for all appliances with integral communication module as well as ViCare components and energy management system
- Advanced settings for commissioning, e.g. time programs, heating circuit settings, heating curves and settings for DHW heating
- Guided parts replacement
- Acceptance report for completed commissioning jobs
- Quick overview of general appliance status
- Overview with current and historic system messages
- Detailed view of selected appliance parameters
- Jump/redirection to spare part app enables direct ordering of spare parts.
- Automatic message forwarding from the system to an email address

System and usage requirements
For access from the office or when out and about (via internet):
- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with internet access and up to date web browser (e.g. Mozilla Firefox, Apple Safari, Microsoft Edge or Google Chrome)

For local access at the appliance (via local direct connection):
- Viessmann system that can be connected via an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with active WiFi connection and the latest ViGuide app (available from the Apple App Store and Google Play Store)

Notes:
- The functions of ViGuide depend on the respective appliance, the control unit installed and the firmware version (see **www.viguide.info**)
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

ViGuide Plus (does not work in LT/LV/EE)
Includes all ViGuide functions available free of charge and enhances these with a useful analytic function for even faster and more effective service.

Significant product features:
- Read and modify enhanced parameters.
- Track parameter modifications.
- Obtain a system overview.
- Record operating data across different time periods.
- Guided troubleshooting

Notes:
- ViGuide Plus must be booked once for each system and usage (runtime 28 days, ends automatically).
- The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**).
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

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Mobile applications for trade partners

Tools for service, maintenance and commissioning

MG N

ViGuide Pro (does not work in LT/LV/EE)
Includes all ViGuide and ViGuide Plus functions available free of charge and enhances these with additional functions for remote servicing and remote optimisation. Particularly suitable for optimising costs in case of new and existing maintenance contracts.

Significant product features:
- Permanent digital remote inspection
- Predictive error and fault detection
- Automatic recommendation for system optimisation

Notes:
- ViGuide Pro must be booked once for each system (runtime 1 year, renewed automatically)
- The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**).
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

Connected Services

Smart thermostats

MG Y

ViCare thermostat (2-point controller)
System-integrated room thermostat solution for full compatibility with Viessmann heating systems.

The virtual room thermostat is particularly unobtrusive and blends optimally into the living space. Full system integration offers improved room temperature control whilst ensuring the best possible efficiency.
Commissioning with Vitoguide is part of the solution.

Significant product features:
- Temperature controller "Class IV": Two-point controller
- Convenient operation via ViCare app
- Time programs and quick select options
- Offline operation
- Low power radio connection
- Battery operation

System and usage requirements:
- System with 1 direct heating circuit
- Heat generator with integral WiFi interface
  - Vitodens 100-W, 111-W
  - Vitodens 111-F, 141-F
  - Vitodens 100-E
  - Vitodens 050-W
- Smartphone internet connection for lodging license keys
- Viessmann account
- Commissioning with Vitoguide
- Smartphone:
  - Smartphone with iOS operating system
  - Smartphone with Android operating system

Recommended requirements for the system operator:
- Smartphone:
  - Smartphone with iOS operating system
  - Smartphone with Android operating system
- Active internet connection of heat generator

Standard delivery:
- Climate sensor
- Licence key: Smart thermostat with 2-point room temperature control

Notes:
- For more information on system requirements and to register and use the ViCare thermostat, please visit **www.vicare.info**
- Observe the ViCare terms of use.

Part no.	Euro
ZK05990	**106,–**

Connected Services

Smart thermostats

MG Y

ViCare thermostat (modulating)
System-integrated room thermostat solution for full compatibility with Viessmann heating systems.

ZK05991
Part no.
118,–
Euro

The virtual room thermostat is particularly unobtrusive and blends optimally into the living space.
Full system integration offers improved room temperature control whilst ensuring the best possible efficiency.
Part of the solution is commissioning with Vitoguide and remote access via Vitoguide.

Significant product features:
- Temperature controller "Class V", modulating
- Convenient operation via ViCare app
- Time programs and quick select options
- Offline operation
- Low power radio connection
- Battery operation

System and usage requirements:
- System with 1 direct heating circuit
- Heat generator with integral WiFi interface
  - Vitodens 100-W, 111-W
  - Vitodens 111-F, 141-F
  - Vitodens 100-E
  - Vitodens 050-W
- Smartphone internet connection for lodging license keys
- Viessmann account
- Commissioning with Vitoguide
- Smartphone:
  - Smartphone with iOS operating system
  - Smartphone with Android operating system

Recommended requirements for the system operator:
- Smartphone:
  - Smartphone with iOS operating system
  - Smartphone with Android operating system
- Active internet connection of heat generator

Standard delivery:
- Climate sensor
- Licence key: Smart thermostat with modulating room temperature control

Notes:
- For more information on system requirements and to register and use the ViCare thermostat, please visit **www.vicare.info**
- Observe the ViCare terms of use.

Energy management

Energy management

Viessmann energy management

Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power. Its focus is on optimised self-consumption of self-generated PV power. Information is available in real time and for up to two years in the history. The ViCare app illustrates how much CO^2 is saved by the system. On request, customers can add further optimisation stages in the ViCare app.

Significant product features:

- General
  - Live view of energy flows in the home, for generation, storage and consumption, including a 2-year history in the ViCare app and ViGuide

- With photovoltaics and heat pump
  - View of self-consumption, autonomy and CO^2 reduction
  - PV self-consumption optimisation

- With photovoltaics, power store and heat pump
  - Self-consumption, autonomy, CO^2 reduction and battery charge level
  - PV self-consumption optimisation taking into account the power storage system

Supported Viessmann systems:

- Vitocharge VX3 power storage system, also with heat pump (from 11/2017) connected to the Vitocharge VX3 via Vitoconnect, type OPTO2 and EEBUS or with heat pumps with integral communication module and 7 inch touch display
- Heat pump with integral communication module and 7 inch touch display in conjunction with a photovoltaic system from a third party supplier (requires additional energy meters)

System and usage requirements:

- Commissioning: ViGuide from Viessmann trade partner
- Mobil operation: ViCare app from system operator
- Monitoring: ViGuide from the Viessmann trade partner (after service clearance)
- The full range of functions requires the installation of Viessmann energy meters, see link.viessmann.com/energymanagement

Notes:

- Observe the terms of use when utilising the ViCare app and ViGuide.
- For further information on the system requirements and the registration and use
  - ViCare app, see **www.vicare.info**
  - ViGuide solution, see **www.viguide.info**
  - Energy management, see **link.viessmann.com/energymanagement**

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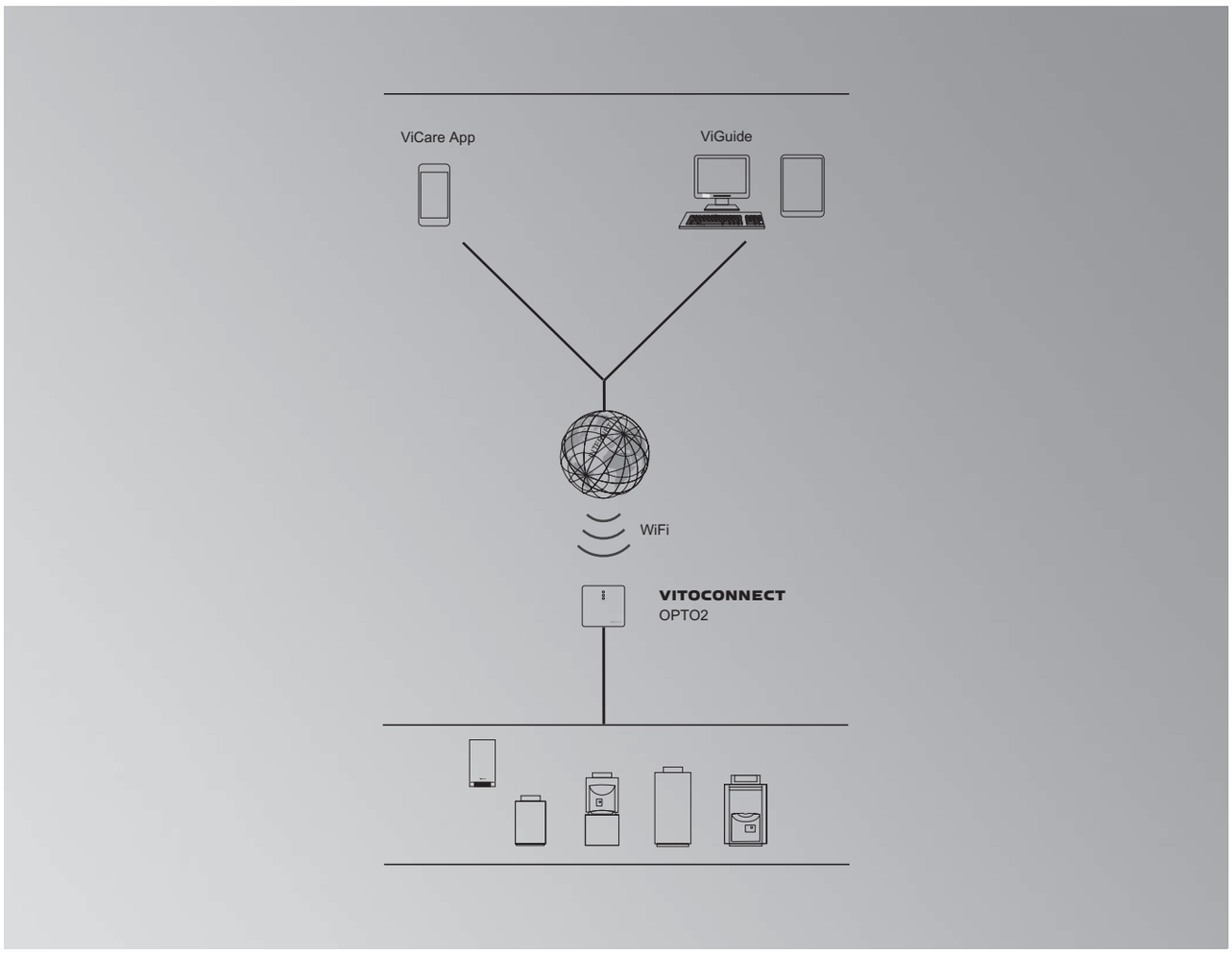
Digital services

Mobile applications

Energy management		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW) ■	ZK06027 **296,–**	Part no. **Euro**
Energy management accessories		MG T
Solar-Log BASE 15 to 15 kWp EMS gateway Gateway for connecting third party inverters to Viessmann One Base systems up to15 kWp installed photovoltaic generator output, connected directly to the Solar-Log BASE 15. ■ Extendible to a photovoltaic generator output of up to 30 kWp with an extension licence.	7984264 **528,–**	Part no. **Euro**
Extension licence to 30 kWp BASE 15 Licence for extending the installable photovoltaic generator output downstream of the Solar-Log BASE 15 to 30 kWp (one-off payment)	7984265 **64,–**	Part no. **Euro**
Solar-Log 1TE DIN Rail 15 W power supply unit Power supply unit for installation on the top-hat rail in the control panel	7984266 **30,–**	Part no. **Euro**
Solar-Log 24 V plug-in power supply unit Power supply unit for power supply from the 230 V mains socket	7984267 **30,–**	Part no. **Euro**
Control panel package - over 15 kWp to 30 kWp Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. ■ Solar-Log BASE 15 gateway ■ Licence ■ Top-hat rail power supply unit	ZK07159 **622,–**	Part no. **Euro**
Plug-in power supply unit package - over 15 kWp to 30 kWp Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. ■ Solar-Log BASE 15 gateway ■ Licence ■ Plug-in power supply unit 230 V	ZK07160 **622,–**	Part no. **Euro**
Control panel package - up to 15 kWp Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. ■ Solar-Log BASE 15 gateway ■ Top-hat rail power supply unit	ZK07161 **558,–**	Part no. **Euro**
Plug-in power supply unit package - up to 15 kWp Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. ■ Solar-Log BASE 15 gateway ■ Plug-in power supply unit 230 V	ZK07162 **558,–**	Part no. **Euro**

Energy management		
Energy management accessories		MG T
Control panel package - over 15 kWp with connection to mains connection point (A-RN) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using A-RN measurement method. For processing data at the grid connection point for Viessmann One Base appliances and systems ■ Solar-Log BASE 15 gateway ■ Licence ■ Top-hat rail power supply unit ■ Energy meter E380CA	ZK07163 **918,–**	Part no. **Euro**
Plug-in power supply unit package - over 15 kWp with connection to mains connection point (A-RN) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using A-RN measurement method. For processing data at the grid connection point for Viessmann One Base appliances and systems ■ Solar-Log BASE 15 gateway ■ Licence ■ Plug-in power supply unit 230 V ■ Energy meter E380CA	ZK07164 **918,–**	Part no. **Euro**
Control panel package - over 15 kWp with connection to mains connection point (Welmec) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using Welmec measurement method. For processing data at the grid connection point for Viessmann One Base appliances and systems ■ Solar-Log BASE 15 gateway ■ Licence ■ Top-hat rail power supply unit ■ Energy meter E380CW	ZK07165 **918,–**	Part no. **Euro**
Mains socket package - over 15 kWp with connection to mains connection point (Welmec) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output in excess of 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using Welmec measurement method. For processing data at the grid connection point for Viessmann One Base appliances and systems ■ Solar-Log BASE 15 gateway ■ Licence ■ Plug-in power supply unit 230 V ■ Energy meter E380CW	ZK07166 **918,–**	Part no. **Euro**
Energy meter package for base optimisation photovoltaics - heat pump Including mains connection point (A-RN) Connection of a Viessmann heat pump with One Base and a third party inverter. AC-side connection of the inverter via meter (1) and utilisation of information at the mains connection point in both directions for system optimisation via meter (2) when using A-RN measurement method. ■ 2 energy meters E380CA	ZK07167 **592,–**	Part no. **Euro**

Energy management		
Energy management accessories		MG T
Energy meter package for base optimisation photovoltaics - heat pump Including mains connection point (Welmec) Connection of a Viessmann heat pump with One Base and a third party inverter. AC-side connection of the inverter via meter (1) and utilisation of information at the mains connection point in both directions for system optimisation via meter (2) when using Welmec measurement method. ■ 2 energy meters E380CW	ZK07168 **592,–**	Part no. **Euro**
Control panel package - up to 15 kWp with connection to mains connection point (A-RN) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using A-RN measurement method ■ Solar-Log BASE 15 gateway ■ Top-hat rail power supply unit ■ Energy meter E380CA	ZK07200 **854,–**	Part no. **Euro**
Plug-in power supply unit package - up to 15 kWp with connection to mains connection point (A-RN) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using A-RN measurement method ■ Solar-Log BASE 15 gateway ■ Plug-in power supply unit 230 V ■ Energy meter E380CA	ZK07201 **854,–**	Part no. **Euro**
Control panel package - up to 15 kWp with connection to mains connection point (Welmec) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using Welmec measurement method ■ Solar-Log BASE 15 gateway ■ Top-hat rail power supply unit ■ Energy meter E380CW	ZK07202 **854,–**	Part no. **Euro**
Mains socket package - up to 15 kWp with connection to mains connection point (Welmec) Connection of a third party photovoltaic inverter via the Solar-Log BASE 15 gateway for installed generated output up to 15 kWp with Viessmann heat pumps with One Base. Utilisation of information at the mains connection point in both directions for system optimisation when using Welmec measurement method ■ Solar-Log BASE 15 gateway ■ Plug-in power supply unit 230 V ■ Energy meter E380CW	ZK07203 **824,–**	Part no. **Euro**



Connectivity with WiFi and Vitoconnect

System operation with the ViCare app and system management via ViGuide

- With the **ViCare app**, system operation is even more convenient for the user and requires no prior knowledge of heating technology. For further information on the ViCare app, see www.vicare.info
- **ViGuide** lets the contractor access all systems equipped with Vitoconnect and connected to the internet. The system operator must have granted service clearance.
  For further information on the ViGuide app, see www.viguide.info
- With **Vitoconnect, type OPTO2,** an internet connection to the system can be established via WiFi.

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VICARE APP

Remote control

Communication technology

Communication technology

ViCare app

The ViCare app enables the system user to control their system via smartphone or tablet. The ViCare app makes system operation extremely convenient for users. The app focuses on the user's needs and is consequently designed with these in mind.

Additional functions can be added subject to a charge. See the Apple App Store or Google Play Store.

Significant product features:

- Overview of temperatures of connected heating circuits. Up to 3 heating circuits are possible.
- Direct selection of required temperatures and heating times at heating circuit level or room control level, if individual room control is activated
- Adjustments are supported by intelligent assistant functions, e.g. heating time assistant
- Controlling DHW temperatures and times
- Option to link to contractor
- Push notification if a system fault occurs
- Error notification in plain text
- Voice control of the system via speech assistant possible (e.g. Amazon Alexa or Google Home). Does not work in LT/LV/EE.

System requirements:

- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- WiFi in the building
- Internet access
- Smartphone or tablet with operating system:
  - iOS
  - Android

Notes:

- Observe the terms of use when utilising the ViCare app.
- Max. 2 systems and max. 2 communication modules can be controlled with just one account
- Available features depend on the Viessmann system used and its firmware version.
- For more information on system requirements as well as the registration and use of the ViCare app. see **www.vicare.info** and Apple App Store or Google Play Store.

Communication technology

Tools for service, maintenance and commissioning

MG N

ViGuide

ViGuide lets you commission Viessmann appliances with integral communication module quickly and easily. ViGuide guides you through the commissioning process step by step, thus ensuring that all required commissioning steps are performed fully and in the correct sequence.
With its multiple functions, ViGuide enables better service and better maintenance of the appliance. This lets you optimise work processes and make servicing and maintenance even more customer-friendly for the system operator. For further information on the individual features and their use, see **www.viguide.info**

Significant product features:
- Guided commissioning process for all appliances with integral communication module as well as ViCare components and energy management system
- Advanced settings for commissioning, e.g. time programs, heating circuit settings, heating curves and settings for DHW heating
- Guided parts replacement
- Acceptance report for completed commissioning jobs
- Quick overview of general appliance status
- Overview with current and historic system messages
- Detailed view of selected appliance parameters
- Jump/redirection to spare part app enables direct ordering of spare parts.
- Automatic message forwarding from the system to an email address

System and usage requirements
For access from the office or when out and about (via internet):
- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with internet access and up to date web browser (e.g. Mozilla Firefox, Apple Safari, Microsoft Edge or Google Chrome)

For local access at the appliance (via local direct connection):
- Viessmann system that can be connected via an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with active WiFi connection and the latest ViGuide app (available from the Apple App Store and Google Play Store)

Notes:
- The functions of ViGuide depend on the respective appliance, the control unit installed and the firmware version (see **www.viguide.info**)
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

ViGuide Plus (does not work in LT/LV/EE)
Includes all ViGuide functions available free of charge and enhances these with a useful analytic function for even faster and more effective service.

Significant product features:
- Read and modify enhanced parameters.
- Track parameter modifications.
- Obtain a system overview.
- Record operating data across different time periods.
- Guided troubleshooting

Notes:
- ViGuide Plus must be booked once for each system and usage (runtime 28 days, ends automatically).
- The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**).
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

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VIGUIDE

Software tool for contractors

Communication technology		
Tools for service, maintenance and commissioning		MG N
ViGuide Pro (does not work in LT/LV/EE) Includes all ViGuide and ViGuide Plus functions available free of charge and enhances these with additional functions for remote servicing and remote optimisation. Particularly suitable for optimising costs in case of new and existing maintenance contracts. **Significant product features:** ■ Permanent digital remote inspection ■ Predictive error and fault detection ■ Automatic recommendation for system optimisation **Notes:** ■ ViGuide Pro must be booked once for each system (runtime 1 year, renewed automatically) ■ The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**). ■ Observe the ViGuide terms of use. ■ For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**		
ViGuide Business (does not work in LT/LV/EE) In addition to installers, ViGuide Business provides access to cleared Viessmann energy systems for other industries, e.g. power supply utilities, landlords, housing industry and prefabricated house manufacturers. **Significant product features:** ■ Detailed view of selected appliance parameters ■ Overview with current and historic system messages ■ Advanced settings, e.g. time programs, heating circuit settings, heating curves and settings for DHW heating ■ Option to authorise additional partners on Viessmann energy systems **Notes:** ■ The basic requirement is permanent and reliable internet connectivity at the Viessmann energy system. This must be ensured on site. ■ The functions of ViGuide depend on the respective appliance, the control unit installed and the firmware version (see **www.viguide.info**) ■ Observe the ViGuide terms of use. ■ For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**		

Communication technology

Communication technology

MG Y

Vitoconnect, type OPTO2
Internet interface for remote control of systems over the internet via ViCare app. Vitoconnect connects to the internet.

ZK03836
224,–
Part no.
Euro

Significant product features
- Individual room control with the ViCare app. This requires matching ViCare components such as ViCare climate sensor, ViCare floor thermostat or ViCare thermostatic radiator valve.
- Support of Viessmann energy management for the heat pumps via EEBUS. This enables monitoring of electricity and energy consumption.

Communication:
- Via Optolink interface with the boiler control unit
- Via WiFi with the internet
- Via EEBUS

Connections:
- Power cable with plug-in power supply unit
- USB for Optolink connecting cable
- WiFi communication for connection to the internet

Standard delivery:
- Web interface for wall mounting
- Plug-in power supply unit with connecting cable and round plug (1.5 m long)
- Connection cable with Optolink/USB (WiFi module/boiler control unit, 3 m long)

Notes:
- Before commissioning, check the system requirements for communication via the local IP network/WiFi.
- Port 443 (HTTPS) and port 123 (NTP) must be open and the SSID must be visible. Hidden WiFi networks cannot be connected.
- The MAC address is printed on the device label.
- For operating the Vitoconnect, an available internet connection with flat rate data (no time or volume restrictions) is recommended.
- If using communication via EEBUS, the individual room control function cannot be utilized.

Supported control units:
Viessmann heat generator control units with Optolink interface.
For further information, see **www.viessmann.de/vitoconnect**

Notes:
The Vitoconnect, type OPTO2 is not required for Viessmann appliances with integral communication module and appliances with Viessmann One Base electronic platform.

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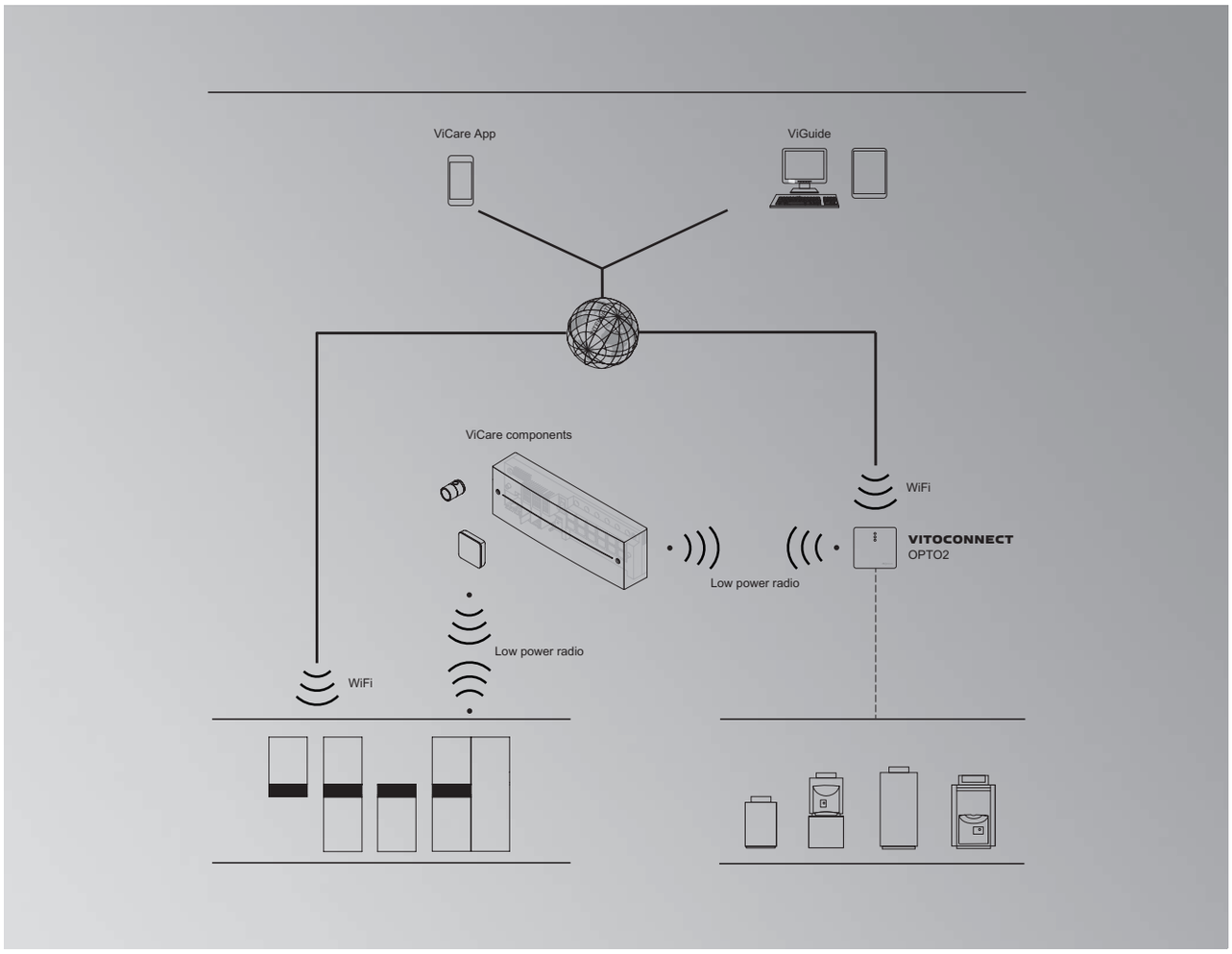

ViCare components

Individual room control with ViCare thermostatic radiator valve and ViCare floor thermostat via the ViCare app and ViGuide

- With the **ViCare app**, system operation is even more convenient for the user and requires no prior knowledge of heating technology. For further information on the ViCare app, see **www.vicare.info**
- **ViGuide** lets the contractor access all systems connected to the internet. A granted and active service clearance is required. For further information on ViGuide, see **www.viguide.info**
- For appliances with integral communication module, the internet connection to the system can be established via WiFi.
- With **Vitoconnect, type OPTO2,** an internet connection to the system can be established via WiFi.
- By using further components from the accessories, temperature control at room level can be achieved.

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ViCare app

Communication technology

ViCare app

The ViCare app enables the system user to control their system via smartphone or tablet. The ViCare app makes system operation extremely convenient for users. The app focuses on the user's needs and is consequently designed with these in mind.
Additional functions can be added subject to a charge. See the Apple App Store or Google Play Store.

Significant product features:

- Overview of temperatures of connected heating circuits. Up to 3 heating circuits are possible.
- Direct adjustment of required temperatures and heating times
- Adjustments are supported by intelligent assistant functions, e.g. heating time assistant
- Controlling DHW temperatures and times
- Option to link to contractor
- Push notification if a system fault occurs
- Max. 2 systems and max. 2 communication modules can be controlled with just one account
- Error notification in plain text
- Voice control of the system via speech assistant possible (e.g. Amazon Alexa or Google Home). Does not work in LT/LV/EE.
- Optional extension with ViCare components enables viewing and controlling of temperatures and switching times at room level.

Available features depend on the Viessmann system used and its firmware version.

System requirements:

- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- WiFi in the building
- Internet access
- Smartphone or tablet with operating system:
  - iOS
  - Android

Notes:

- Observe the terms of use when utilising the ViCare app.
- For more information on system requirements as well as the registration and use of the ViCare app. see **www.vicare.info** and Apple App Store or Google Play Store.

ViGuide

Tools for service, maintenance and commissioning

MG N

ViGuide

ViGuide lets you commission Viessmann appliances with integral communication module quickly and easily. ViGuide guides you through the commissioning process step by step, thus ensuring that all required commissioning steps are performed fully and in the correct sequence.
With its multiple functions, ViGuide enables better service and better maintenance of the appliance. This lets you optimise work processes and make servicing and maintenance even more customer-friendly for the system operator. For further information on the individual features and their use, see **www.viguide.info**

Significant product features:
- Guided commissioning process for all appliances with integral communication module as well as ViCare components and energy management system
- Advanced settings for commissioning, e.g. time programs, heating circuit settings, heating curves and settings for DHW heating
- Guided parts replacement
- Acceptance report for completed commissioning jobs
- Quick overview of general appliance status
- Overview with current and historic system messages
- Detailed view of selected appliance parameters
- Jump/redirection to spare part app enables direct ordering of spare parts.
- Automatic message forwarding from the system to an email address

System and usage requirements
For access from the office or when out and about (via internet):
- Viessmann system that can be connected via Vitoconnect or an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with internet access and up to date web browser (e.g. Mozilla Firefox, Apple Safari, Microsoft Edge or Google Chrome)

For local access at the appliance (via local direct connection):
- Viessmann system that can be connected via an integral communication module.
- Mobile device (e.g. smartphone, tablet or PC) with active WiFi connection and the latest ViGuide app (available from the Apple App Store and Google Play Store)

Notes:
- The functions of ViGuide depend on the respective appliance, the control unit installed and the firmware version (see **www.viguide.info**)
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

ViGuide Plus (does not work in LT/LV/EE)
Includes all ViGuide functions available free of charge and enhances these with a useful analytic function for even faster and more effective service.

Significant product features:
- Read and modify enhanced parameters.
- Track parameter modifications.
- Obtain a system overview.
- Record operating data across different time periods.
- Guided troubleshooting

Notes:
- ViGuide Plus must be booked once for each system and usage (runtime 28 days, ends automatically).
- The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**).
- Observe the ViGuide terms of use.
- For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**

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ViGuide		
Tools for service, maintenance and commissioning		MG N
ViGuide Pro (does not work in LT/LV/EE) Includes all ViGuide and ViGuide Plus functions available free of charge and enhances these with additional functions for remote servicing and remote optimisation. Particularly suitable for optimising costs in case of new and existing maintenance contracts. **Significant product features:** ■ Permanent digital remote inspection ■ Predictive error and fault detection ■ Automatic recommendation for system optimisation **Notes:** ■ ViGuide Pro must be booked once for each system (runtime 1 year, renewed automatically) ■ The functions of ViGuide depend on the control unit installed and the corresponding firmware version (see **www.viguide.info**). ■ Observe the ViGuide terms of use. ■ For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**		
ViGuide Business (does not work in LT/LV/EE) In addition to installers, ViGuide Business provides access to cleared Viessmann energy systems for other industries, e.g. power supply utilities, landlords, housing industry and prefabricated house manufacturers. **Significant product features:** ■ Detailed view of selected appliance parameters ■ Overview with current and historic system messages ■ Advanced settings, e.g. time programs, heating circuit settings, heating curves and settings for DHW heating ■ Option to authorise additional partners on Viessmann energy systems **Notes:** ■ The basic requirement is permanent and reliable internet connectivity at the Viessmann energy system. This must be ensured on site. ■ The functions of ViGuide depend on the respective appliance, the control unit installed and the firmware version (see **www.viguide.info**) ■ Observe the ViGuide terms of use. ■ For further information on the system requirements and the registration and use of ViGuide, see **www.viguide.info**		

Mobile applications and energy management systems

Mobile applications

Individual room control

Individual room control can be implemented via 2 versions:

Version A

Connected to a heat generator with Optolink interface or integral communication module with heat transfer by radiators and/or underfloor heating.

Version B

With Vitoconnect, the system can also be used without connection to a heat generator. It controls the heat distribution in individual rooms in case of heat transfer by radiators or underfloor heating.

Features of the ViCare solution for individual room control:

- Operation possible with or without direct connection to a heat generator. For operation with direct connection to a Viessmann heat generator, full integration with the control logic is provided to realise energy savings potentials.
- Straightforward installation and commissioning
- Max. 30 ViCare thermostatic radiator valves and max. 4 ViCare floor thermostats are supported.
- ViCare thermostatic radiator valves and standard thermostatic radiator valves can be combined.

Main functions:

- Dynamic hydronic balancing: TÜV certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings
- Cooling (for heat pumps): Automatic intelligent calculation of temperature set point
- Time programs that can be set for each room control room temperatures according to demand.
- "Window open" detection in conjunction with ViCare thermostatic radiator valves
- Available as part of the ViCare Plus Savings Assistant, subject to a charge: Intelligent Heat Control - algorithm-controlled reduction of burner activations while increasing runtime by optimising the flow temperature

Vitoconnect		
Communication technology		MG Y
Vitoconnect, type OPTO2 Internet interface for remote control of systems via the internet using the ViCare app. Vitoconnect establishes a connection to the internet. **Significant product features** ■ Individual room control with the ViCare app. This requires matching ViCare components such as ViCare climate sensor, ViCare floor thermostat or ViCare thermostatic radiator valve. ■ Support of Viessmann energy management for the heat pumps via EEBUS. This enables monitoring of electricity and energy consumption. **Communication:** ■ Via Optolink interface with the boiler control unit ■ Via WiFi with the internet ■ Via EEBUS **Connections:** ■ Power cable with plug-in power supply unit ■ USB for Optolink connecting cable ■ WiFi communication for connection to the internet **Standard delivery:** ■ Web interface for wall mounting ■ Plug-in power supply unit with connecting cable and round plug (1.5 m long) ■ Connection cable with Optolink/USB (WiFi module/boiler control unit, 3 m long) **Notes:** ■ Before commissioning, check the system requirements for communication via the local IP network/WiFi. ■ Port 443 (HTTPS) and port 123 (NTP) must be open and the SSID must be visible. Hidden WiFi networks cannot be connected. ■ The MAC address is printed on the device label. ■ For operating the Vitoconnect, an available internet connection with flat rate data (no time or volume restrictions) is recommended. ■ If using communication via EEBUS, the individual room control function cannot be utilized.		ZK03836 **224,–**	Part no. **Euro**
Supported control units: Viessmann heat generator control units with Optolink interface. *For further information, see* **www.viessmann.de/vitoconnect** **Notes:** The Vitoconnect, type OPTO2 is not required for Viessmann appliances with integral communication module and appliances with Viessmann One Base electronic platform.			

Accessories

Wireless accessories

MG Y

ViCare thermostatic radiator valve
(low power radio)
Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White.

- With integral temperature sensors for capturing the current room temperature
- "Open window" detection
- Max. actuating force 70 N, max. valve lift 4.35 mm
- Easy installation on existing thermostatic valves with supplied adaptor set

Standard delivery:
- ViCare thermostatic radiator valve
- Batteries 1.5 V (type AA, 2 pce)
- Adaptor set for Danfoss thermostatic valves types RA, RAV, RAVL and M 30 x 1.5 mm

For precise room temperature-dependent control, we recommend using the ViCare climate sensor.
The use of rechargeable batteries is not possible due to the voltage being too low.
Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.

ZK03840
88,–

Part no.
Euro

ViCare floor thermostat
(low power radio)
Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect.

- Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators)
- The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control.
- An integral frost protection function prevents damage to the fabric of the building.
- An anti-limescale function prevents the actuator valves from seizing up.
- Compatible with N/O and N/C thermal actuators.
- The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value.

Standard delivery:
- ViCare floor thermostat
- External aerial with connecting cable, 1.3 m long
- Contact temperature sensor with connecting lead, 1.8 m long and hose clip
- Connecting cable, 1.2 m long, with plug
- Tool for operating the pairing button
- Installation material for wall mounting

Up to 4 ViCare floor thermostats can be supported simultaneously.

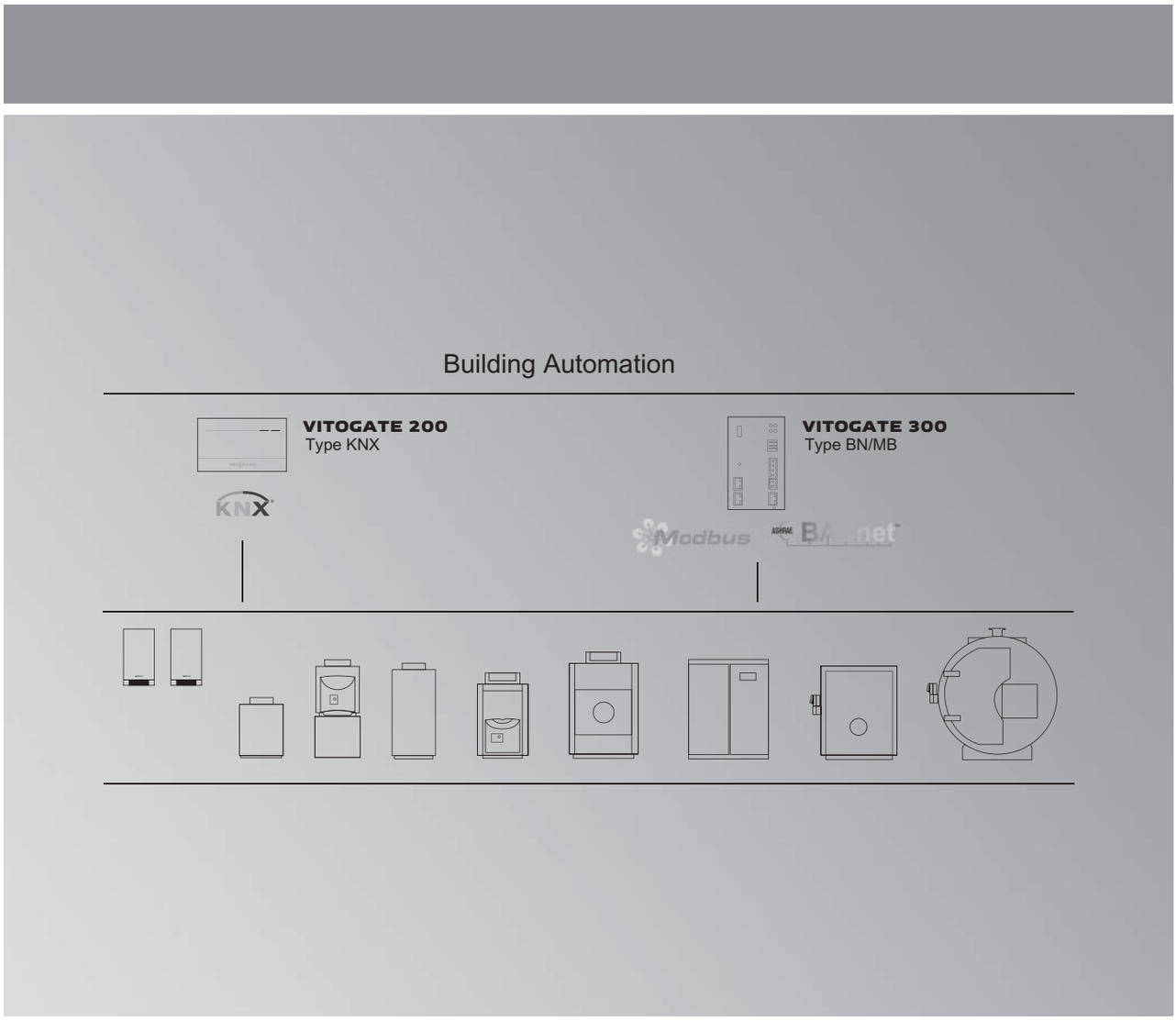
ZK03838
306,–

Part no.
Euro

Accessories		
Wireless accessories		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and the relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*	ZK03839 **54,–**	Part no. **Euro**
ViCare CO_2 sensor (low power radio) Battery operated CO_2, temperature and humidity sensor for monitoring air quality. The sensor can be connected to a heat generator with integral communication module or a Vitoconnect. ■ The ViCare CO_2 sensor captures the CO_2 value, the temperature and the relative humidity in the room. Standard delivery: ■ ViCare CO_2 sensor ■ Batteries 1.5 V (type AA, 4 pce) ■ Installation material for wall mounting	7377019 **231,–**	Part no. **Euro**
ViCare repeater for surface mounting (low power radio) ■ Extension of low power radio network for improved connection of ViCare components. Standard delivery: ■ 1 ViCare climate sensor ■ 1 plug-in power supply unit with power cable ■ Installation material for wall mounting *A ViCare repeater consists of a ViCare climate sensor without installed battery and a plug-in power supply unit. The ViCare repeater can be set up directly as a repeater in the ViCare app. Battery operation not possible. Socket required near the installation site.*	ZK05390 **121,–**	Part no. **Euro**
Repeater for flush mounting (low power radio) ■ For forwarding data in large buildings ■ Installation in commercially available flush box. Deep flush box if being mounted behind a switch or socket. Standard delivery: ■ Wireless repeater ■ Connection material *The repeater can be set up directly as a repeater in the ViCare app.*	ZK05462 **111,–**	Part no. **Euro**

Accessories		
Accessories		
Actuator for heating circuit distributor 230 V ■ N/C ■ Power consumption: 1 W ■ 360° installation position and function display ■ Mounting ring M 30 x 1.5 ■ Lift 4 mm ■ Length of power cable 1 m	7750202 **23,–**	Part no. **Euro** **MG WW**
Adaptor M 28 (5 pce) Adaptor for installation of the ViCare thermostatic radiator valve on a radiator with M 28 thread.	7966665 **11,20**	Part no. **Euro** **MG Y**
Adaptor Giacomini thread (5 pce) Adaptor for installation of the ViCare thermostatic radiator valve on a radiator with Giacomini thread.	7966666 **12,30**	Part no. **Euro** **MG Y**

Accessories		
Packages		MG Y
Radiator Smart starter pack with Vitoconnect ■ Easy familiarisation with the system ■ For an easy introduction to the intelligent control of radiators Standard delivery: ■ 1 Vitoconnect, type OPTO2 ■ 1 ViCare thermostatic radiator valve	ZK05391 **312,–**	Part no. **Euro**
Radiator Eco starter pack with Vitoconnect ■ Easy familiarisation with the system ■ Pack for initial implementation of control class 8 (min. 3 rooms with individual room control) Standard delivery: ■ 1 Vitoconnect, type OPTO2 ■ 3 ViCare thermostatic radiator valves	ZK05392 **488,–**	Part no. **Euro**
Radiator Eco starter pack ■ Expansion of existing individual room controls by 3 thermostatic radiator valves ■ Pack for initial implementation of control class 8 (min. 3 rooms with individual room control) for heat generators with integral communication module or Vitoconnect Standard delivery: ■ 3 ViCare thermostatic radiator valves	ZK05985 **264,–**	Part no. **Euro**
Radiator S extension pack ■ Expansion of existing individual room controls by 2 thermostatic radiator valves Standard delivery: ■ 2 ViCare thermostatic radiator valves	ZK05393 **176,–**	Part no. **Euro**
Radiator M extension pack ■ Expansion of existing individual room controls by 4 thermostatic radiator valves ■ Pack for initial implementation of control class 8 (min. 3 rooms with individual room control) for heat generators with integral communication module or Vitoconnect Standard delivery: ■ 4 ViCare thermostatic radiator valves	ZK05394 **352,–**	Part no. **Euro**
Radiator L extension pack ■ Expansion of existing individual room controls by 6 thermostatic radiator valves ■ Pack for initial implementation of control class 8 (min. 3 rooms with individual room control) for heat generators with integral communication module or Vitoconnect Standard delivery: ■ 6 ViCare thermostatic radiator valves	ZK05395 **528,–**	Part no. **Euro**



Vitogate

Gateways for heating system connection to building automation systems

Vitogate 200, type KNX

Vitogate 200, type KNX enables data exchange with external control and monitoring systems based on the KNX communication standard.

Vitogate 300, type BN/MB

Vitogate 300, type BN/MB enables data exchange with external control and monitoring systems based on the BACnet or Modbus communication standard.

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VITOGATE

Building automation
For data exchange with KNX systems

Communication technology

Communication technology

MG Y

Vitogate 200, type KNX

Z012827
907,–

Part no.
Euro

Vitogate 200 can be used as a KNX gateway to connect heating systems with a Vitotronic control unit to a KNX system for the following heat generators:
- Wall mounted and compact appliances
- Small boilers
- Heat pumps
- Medium sized boilers

Functions in conjunction with KNX systems
- Operating heating systems (e.g. switching, changing set values)
- Transferring heating system data (e.g. actual values, operating statuses)
- Forwarding error and fault messages
- Heat demand-dependent control of the flow temperature in conjunction with an on-site KNX system

Supported control units:
Control units for floorstanding boilers:
- Vitotronic 100, type GC1B, GC4B, GC7B
- Vitotronic 200, type GW1B, GW7B, KW6B, KO1B, KO2B
- Vitotronic 300, type GW2B, GW4B
- Vitotronic 300-K, type MW1B

Control units for wall mounted or storage combi boilers:
- Vitotronic 200, type HO1B, HO2B, HO2C
- Vitotronic 200-RF, type HO1E
- Vitotronic 300-K, type MW2B

Control units for heat pumps:
- Vitotronic 200, type WO1B, WO1C

Control units for heating circuits:
- Vitotronic 200-H, type HK1B, HK3B

For more information on supported control units, including system requirements, see **www.vitogate.info**

Interface:
- EIB bus coupler

Connections:
- TP-1 terminals for connecting an on-site cable to the KNX system
- Ethernet connection for linking up to an on-site KNX system
- 230 V~ power supply via plug-in power supply unit
- RJ45 socket for connection to LON

Standard delivery:
- Module for wall mounting
- LON cable, length 7 m

Notes:
- The connection to the on-site KNX/EIB system and the Vitogate 200 configuration must be carried out by a qualified contractor.
- Data point lists can be obtained from your local sales office.

Communication technology

Communication technology

MG Y

Vitogate 300, type BN/MB

Z013294
1.165,–

Part no.
Euro

Vitogate 300 can be configured as a BACnet or Modbus gateway and can be used to connect heating systems with a Vitotronic control unit to a building management system (BMS) for the following heat generators:
- Wall mounted and compact appliances
- Heat pumps
- Medium sized boilers

Functions in conjunction with BACnet or Modbus building management systems
- Operating heating systems (e.g. switching, changing set values)
- Transferring heating system data (e.g. actual values, operating statuses)
- Forwarding error and fault messages

Supported control units:
Control units for floorstanding boilers:
- Vitotronic 100, type GC1B, GC4B, GC7B, CC1I, CC1E
- Vitotronic 200, type GW1B, GW7B, CO1I, CO1E
- Vitotronic 300, type GW2B, GW4B, CM1I, CM1E
- Vitotronic 300-K, type MW1B

Control units for wall mounted or storage combi boilers:
- Vitotronic 200, type HO1B, HO2B, HO2C
- Vitotronic 300-K, type MW2B

Control units for heat pumps:
- Vitotronic 200, type WO1B, WO1C

Control units for heating circuits:
- Vitotronic 200-H, type HK1B, HK3B

Control system for CHP units
- Vitobloc 200

For more information on supported control units, including system requirements, see **www.vitogate.info**

Interfaces:
- BACnet Ethernet/IP or RS485
- Modbus Ethernet/IP or RS485

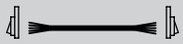
Connections:
- Ethernet connection for linking up to an on-site building management system
- RS485 connection for linking up to an on-site BMS
- Power supply 230 V~ via top-hat rail power supply unit
- RJ45 socket for connection to LON

Standard delivery:
- Gateway module for control cabinet installation
- Top-hat rail power supply unit
- LON cable, length 7 m
- Ethernet cable, length 2 m

Notes:
- The connection to the on-site BMS and the Vitogate 300 configuration must be carried out by a qualified contractor.
- Data point lists can be obtained from your local sales office.

VITOGATE

Vitogate accessories

Accessories		
Communication technology		MG W
LON communication module PCB for installation in the control unit for data exchange via Viessmann LON system bus. Installation in the following control units: ■ Vitotronic 100, type GC1B, GC4B, CC1I, CC1E ■ Vitotronic 200, type GW1B, KO1B, KO2B, CO1I, CO1E ■ Vitotronic 200, type WO1B, WO1C (for individual heat pumps or lag heat pumps in a cascade via LON) ■ Vitotronic 300, type GW2B, GW4B ■ Vitotronic 200-H	7172173 **250,–**	Part no. **Euro**
LON communication module PCB for installation in the control unit for data exchange via Viessmann LON system bus. Installation in the following control units: ■ Vitotronic 200, types HO1B, HO2B, HO2C, KW6B, GC7B, GW7B	7179113 **229,–**	Part no. **Euro**
LON communication module for cascade control PCB for installation in the control unit for data exchange via Viessmann LON system bus. Installation in the following control units: ■ Vitotronic 300-K, type MW2B ■ Vitotronic 200, type WO1B, WO1C (for the lead heat pump in a cascade via LON)	7172174 **282,–**	Part no. **Euro**
LON cable for control unit data exchange ■ 7.0 m long (can be extended once) ■ with RJ45 plugs	7143495 **40,–**	Part no. **Euro**
LON coupling, RJ45 To extend the LON cable	7143496 **25,–**	Part no. **Euro**
LON plug-in connector, RJ45 (2 pce) To create a connecting cable using an on-site cable for **installation spacing in excess of 14 m**	7199251 **73,–**	Part no. **Euro**
LON socket, RJ45 (2 pce) To create an on-site cable (CAT 6), concealed or run in cable trunking, for **installation spacing in excess of 14 m** (connection from the LON socket to the control unit using the LON cable) 	7171784 **67,–**	Part no. **Euro**
Terminator (2 pce) To terminate the system bus, use a terminator on each unconnected end.	7143497 **10,50**	Part no. **Euro**

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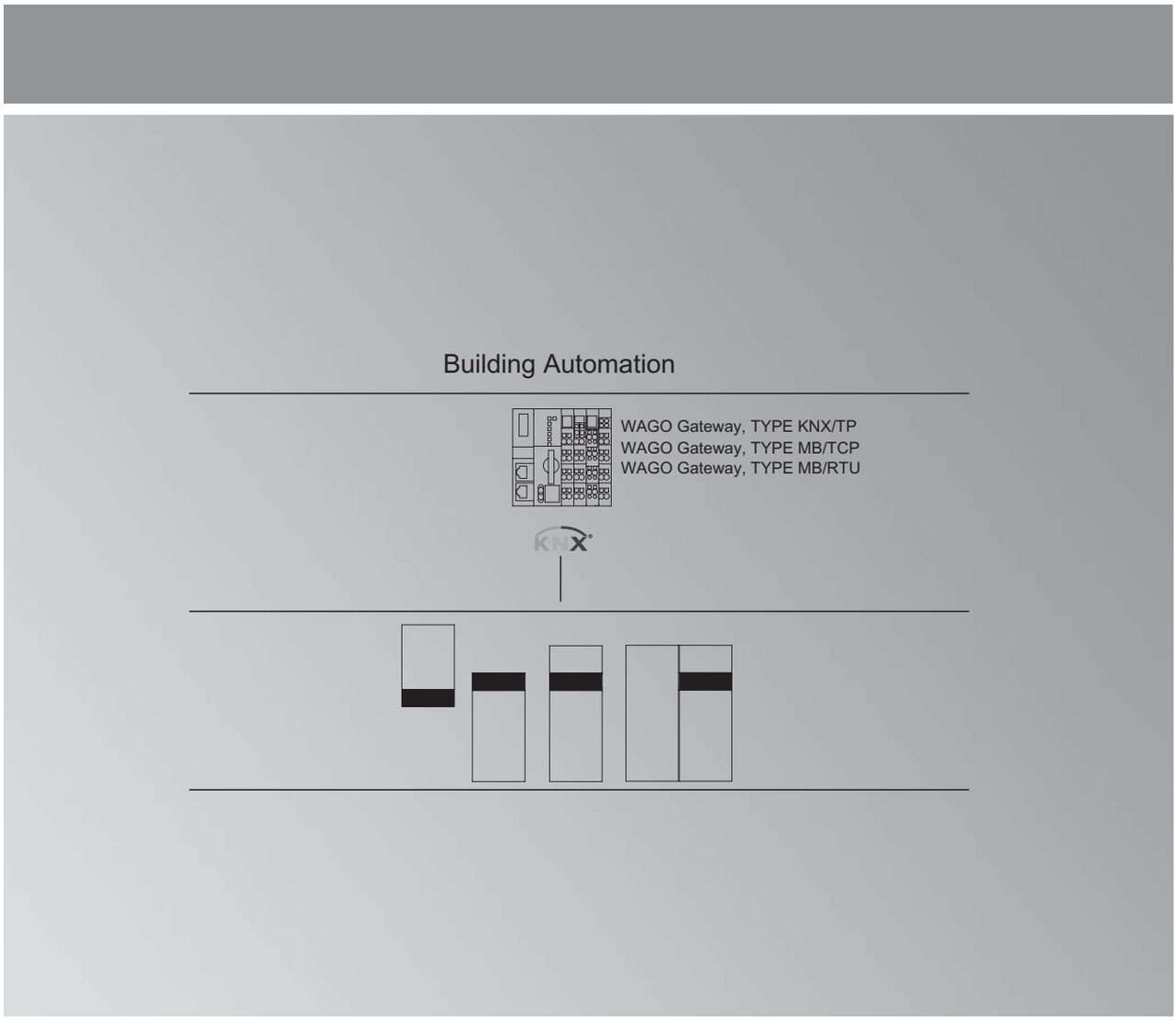

WAGO Gateway

Gateways for heating system connection to building automation systems

WAGO gateway, type KNX/TP

The WAGO gateway, type KNX/TP enables data exchange between Viessmann heat generators with a CAN bus interface and external monitoring system based on the KNX communication standard.

WAGO gateway, type MB/TCP or type MB/RTU

The WAGO gateway, type MB/TCP or type MB/RTU enables data exchange between Viessmann heat generators with a CAN bus interface and external operating and monitoring systems based on the Modbus communication standard.

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WAGO Gateway

Building automation
For data exchange with external control system

Communication technology		
Communication technology		MG YE
WAGO Gateway For mounting on top-hat rails The WAGO gateway enables data exchange with external control systems for the following functions: ■ Operating the system (e.g. set values, operating statuses) ■ Transferring system operating data (e.g. actual values, operating statuses) ■ Forwarding messages (e.g. fault messages) **Communication with the heat generator:** ■ Via CAN bus interface **Communication with external control system via one of the following standard data interfaces:** ■ KNX TP ■ Modbus TCP ■ Modbus RTU **Supported devices:** ■ Vitodens with One Base electronic platform ■ Vitocal with One Base electronic platform ■ Vitovalor with One Base electronic platform **Notes:** ■ For further information on the appliances supported by the WAGO gateway, see **www.automation-gateway.info** ■ The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.		
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail		Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail		Z019286 **1.636,–**	Part no. **Euro**

Communication technology

Communication technology

MG YE

WAGO MB/RTU gateway
For mounting on top-hat rails.
Data exchange with an external system based on Modbus/RTU communication standards.
Connections:
- Modbus/RTU terminals for connection to the on-site Modbus system
- 230 V~ power supply via plug-in power supply unit
- CAN bus terminals for connecting the cable to the heat generator

Standard delivery:
- WAGO MB/RTU gateway for mounting on a top-hat rail
- Power supply unit for mounting on a top-hat rail

Z019287
1.636,–
Part no.
Euro

Wall mounted enclosure for WAGO gateway
Enclosure for mounting the WAGO gateway on the wall
- Enclosure for wall mounting
- DIN top-hat rail prefitted

ZK04917
91,–
Part no.
Euro

CAN bus cable
Cable to connect the WAGO gateway to the heat generator.
- Length 7 metres
- Plug pre-wired

ZK04974
21,–
Part no.
Euro

Notes:
The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out on-site by a qualified contractor.

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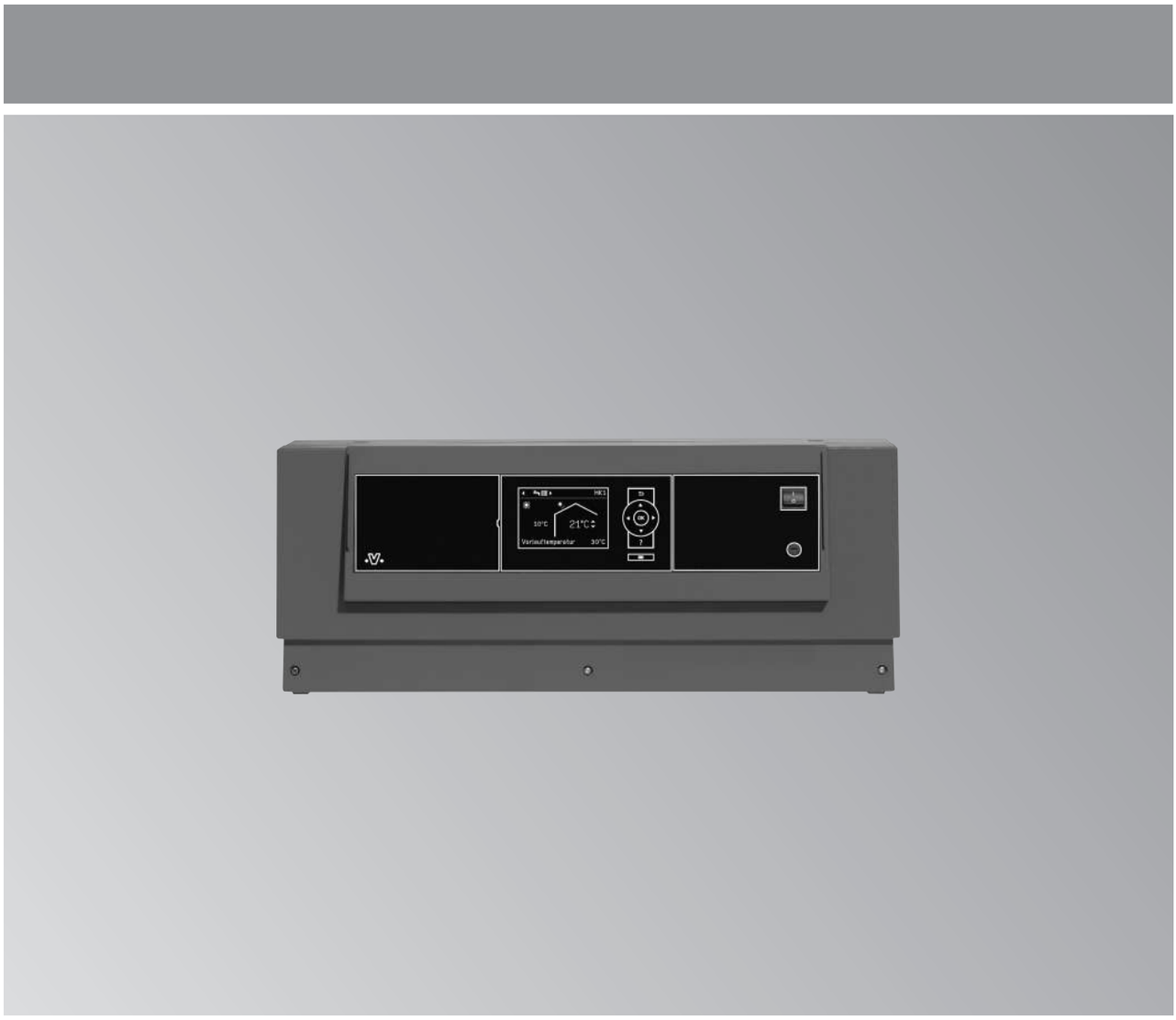

Vitotronic 200-H

Type HK1B

Weather-compensated heating circuit control
For one heating circuit with mixer and cylinder temperature control or control of a cylinder loading system with mixer assembly.

Type HK3B

Weather-compensated heating circuit control
For up to three heating circuits with mixer and cylinder temperature control or for up to two heating circuits with mixer and control of a cylinder loading system with mixer assembly.

- Energy saving heating through operation with modulating heating circuit flow temperature
- Universal application for small and large heating systems
- For wall mounting or installation inside a control panel, with separate mixer motors
- Easy to operate Vitotronic control unit with plain text and graphic display
- Complete with
  - Time switch programs and temperature display
  - Automatic summer/winter time changeover
  - Holiday program
- - Capable of communicating via LON
- Can be hooked up to building management systems via Vitogate; remote control and monitoring via internet in conjunction with Vitocom and Vitodata 300

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VITOTRONIC 200-H

Type HK1B

Heating circuit control unit for wall mounting

Vitotronic 200-H

MG W

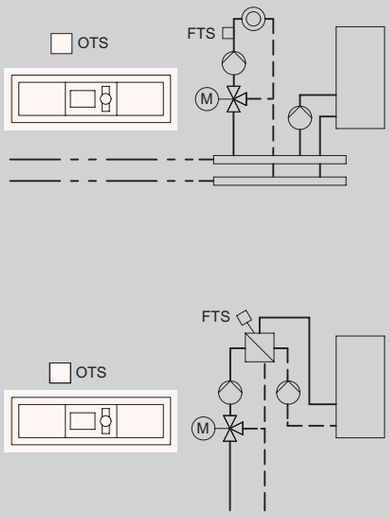
Vitotronic 200-H (type HK1B)
Weather-compensated heating circuit control unit for wall mounting.
- For **one** heating circuit with mixer and cylinder temperature control
- Alternative to controlling a cylinder loading system with mixer assembly
- With integral diagnostic system
- Capable of communicating via LON in conjunction with the LON communication module (accessories) with:
  - Vitotronic 100 (types GC1, GC1B, GC4B, GC7B, CC1I, CC1E)
  - Vitotronic 200 (types GW1B, GW7B, CO1I, CO1E, KW6B, HO1B, HO1E, HO2B, HO2C, KO1B, KO2B, WO1B, WO1C)
  - Vitotronic 300 (types GW2B, GW4B, CM1I, CM1E)
  - Vitotronic 300-K (types MW1B, MW2B)
  - Vitotronic 200-H

An extension (accessories) is required for **each heating circuit with mixer**. The LON to the Vitotronic boiler control unit enables up to 32 Vitotronic 200-H heating circuit control units to be hooked up.

Notes:
The outside temperature sensor of the higher ranking control unit can be utilised via the LON. In that case, the supplied outside temperature sensor will not need to be connected.
An additional cylinder temperature sensor (accessories) is required to control the Vitotrans 222 with mixer assembly.

The cylinder temperature controller does not function in conjunction with the Vitotronic 200 heat pump control unit, type WO1B, WO1C.

The "Mounting kit for installation in control panel" is required for control panel installation; see "Accessories".



Z009462
1.145,–

Part no.
Euro

Standard delivery:

Vitotronic 200-H (type HK1B) with
- 1 outside temperature sensor
- Bracket for wall mounting

►*For heating mixers see Register 11.7.*
►*For remote monitoring see Register 11.2.*

Heating circuit control unit for wall mounting

Vitotronic 200-H

MG W

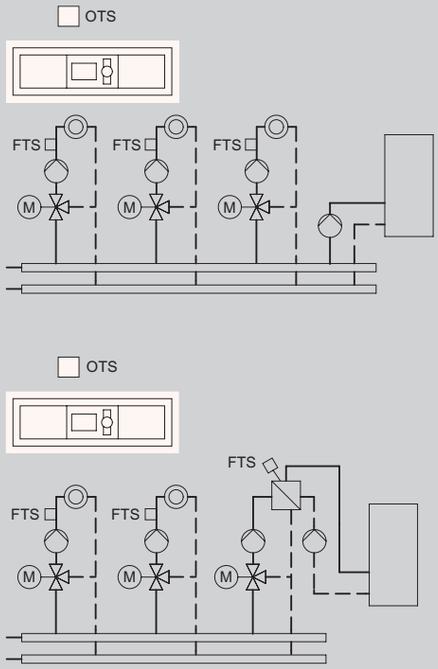
Vitotronic 200-H (type HK3B)
Weather-compensated heating circuit control unit for wall mounting.
- For up to **three** heating circuits with mixer and cylinder temperature control
- Alternatively for up to two heating circuits with mixer and control of a cylinder loading system with mixer assembly
- With integral diagnostic system
- Capable of communicating via LON in conjunction with the LON communication module (accessories) with:
  - Vitotronic 100 (types GC1, GC1B, GC4B, GC7B, CC1I, CC1E)
  - Vitotronic 200 (types GW1B, GW7B, CO1I, CO1E, KW6B, HO1B, HO1E, HO2B, HO2C, KO1B, KO2B, WO1B, WO1C)
  - Vitotronic 300 (types GW2B, GW4B, CM1I, CM1E)
  - Vitotronic 300-K (types MW1B, MW2B)
  - Vitotronic 200-H

An extension (accessories) is required for **each heating circuit with mixer**. The LON to the Vitotronic boiler control unit enables up to 32 Vitotronic 200-H heating circuit control units to be hooked up.

Note:
The outside temperature sensor of the higher ranking control unit can be utilised via the LON. In that case, the supplied outside temperature sensor will not need to be connected. An additional cylinder temperature sensor (accessories) is required to control the Vitotrans 222 with mixer assembly.

The cylinder temperature controller does not work in conjunction with the Vitotronic 200 heat pump control unit, type WO1B, WO1C.

The "Mounting kit for installation in control panel" is required for control panel installation; see "Accessories".



Z009463
1.836,–

Part no.
Euro

Standard delivery:

Vitotronic 200-H (type HK3B) with
- 1 outside temperature sensor
- Bracket for wall mounting

►*For heating mixers see Register 11.2.*

Accessories		
Heating circuit control unit extension		MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump	7441998 **460,–**	Part no. **Euro**
Mixer motor ■ For Viessmann heating mixers DN 20 to 50 (welding fitting) and R ½ to R 1¼ (not for flanged mixers) ■ For wiring on site	7450657 **297,–**	Part no. **Euro**
Mixer motor (for flanged mixers) For Viessmann mixers DN 40 and 50. For wiring on site.	ZK05435 **832,–**	Part no. **Euro**
Mixer motor (for flanged mixers) For Viessmann mixers DN 65 to 100. For wiring on site.	Z004344 **931,–**	Part no. **Euro**
Plug-in connector 52 (3 pce) ■ For mixer motors ■ Required for mixer motors without cable	7415057 **20,–**	Part no. **Euro**
Plug-in connector 20 (3 pce) ■ For heating circuit pump ■ Required for heating circuit pumps without cable	7415056 **17,60**	Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm	7151728 **214,–**	Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C	7151729 **164,–**	Part no. **Euro**
Sensors		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ For wiring on site	7452538 **110,–**	Part no. **Euro**
Plug-in connector (3 pce) For sensors (2-pole)	7268274 **13,90**	Part no. **Euro**

Accessories

Sensors		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Sensor well G ½ x 100 mm long, with retaining clip	7816035 **35,–**	Part no. **Euro**
Sensor well G ½ x 150 mm long, with retaining clip	7817326 **35,–**	Part no. **Euro**

Required accessories for data exchange with LON

Data exchange of Vitotronic 200-H with ...	Required accessories in the higher ranking control unit	Required accessories in the Vitotronic 200-H	MG W
Higher ranking **Vitotronic 200 (type GW1B, CO1I, CO1E, KO1B, KO2B),** **Vitotronic 200 (type WO1B, WO1C) in heat pumps,** **Vitotronic 300 (type GW2B, GW4B),** **Vitotronic 200-H** ■ LON communication module	7172173 **250,–**	7172173 **250,–**	Part no. **Euro**
Higher ranking **Vitotronic 300-K (type MW1B)** **Vitotronic 300 (type CM1I, CM1E),** ■ LON communication module (for orders from the 1st boiler in a multi boiler system, this is part of the standard delivery)	**–**	7172173 **250,–**	Part no. **Euro**
Higher ranking **Vitotronic 200 (types HO1B, HO2B) in wall mounted boilers** **Vitotronic 200 (type HO1E) in Vitovalor 300-P** **Vitotronic 200 (type KW6B) in Vitoladens 300-C** **Vitotronic 100 (type GC4B) in medium sized boilers** **Vitotronic 100 (type GC7B) in Vitocrossal CIB** **Vitotronic 200 (type GW7B) in Vitocrossal CIB** **Vitocrossal 300 (type CU3A)** ■ LON communication module	7179113 **229,–**	7172173 **250,–**	Part no. **Euro**
Higher ranking Vitotronic 300-K (type MW2B) ■ LON communication module	7172174 **282,–**	7172173 **250,–**	Part no. **Euro**

Notes:
The Vitotronic 200, type HO1D and HO1E is delivered with an integral LON communication module.

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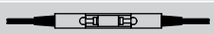
Accessories		
Communication technology		MG W
Connection for data exchange between control units Connect the 1st Vitotronic 200-H with the Vitotronic of the boiler. Connect any further Vitotronic 200-H with the previous Vitotronic 200-H.		
LON cable for control unit data exchange ■ 7.0 m long (can be extended once) ■ with RJ45 plugs	7143495 **40,–**	Part no. **Euro**
LON coupling, RJ45 To extend the LON cable 	7143496 **25,–**	Part no. **Euro**
LON plug-in connector, RJ45 (2 pce) To create a connecting cable using an on-site cable for **installation spacing in excess of 14 m**	7199251 **73,–**	Part no. **Euro**
LON socket, RJ45 (2 pce) To create an on-site cable (CAT 6), concealed or run in cable trunking, for **installation spacing in excess of 14 m** (connection from the LON socket to the control unit using the LON cable)	7171784 **67,–**	Part no. **Euro**
Terminator (2 pce) To terminate the system bus, use a terminator on each unconnected end.	7143497 **10,50**	Part no. **Euro**

►*For further information regarding data exchange with building management systems via LON BUS, see www.viessmann.de/lon.*

Remote control units		MG W
Hardwired remote control units cannot be combined with the wireless base station.		
Vitotrol 200-A (KM-BUS subscriber) For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) If the Vitotrol 200-A is to be used for room temperature hook-up, site the device in a **main living room** (lead room). *Max. 3 Vitotrol per Vitotronic.*	Z008341 **171,–**	Part no. **Euro**
Vitotrol 300-A (KM-BUS subscriber) For setting one, two or up to three heating circuits: ■ Set room temperature and reduced set room temperature, DHW temperature, operating and holiday programs and party and economy functions ■ Time program for the heating circuits, DHW cylinders and DHW circulation pump ■ Backlit graphic display for showing the outside temperature, room temperature, operating statuses and plain text messages ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) ■ Display of heating water buffer cylinder heat-up condition If the Vitotrol 300-A is to be used for room temperature hook-up, site the device in a **main living room** (lead room). If the Vitotrol 300-A cannot be sited in a suitable location to capture the room temperature, then room temperature sensor, part no. 7438537 must also be ordered. *Max. 3 Vitotrol per Vitotronic.*	Z008342 **319,–**	Part no. **Euro**

Accessories

Wireless remote control units

		MG W
The wireless components cannot be combined with hardwired remote control units.		
Vitotrol 200-RF (wireless subscriber) Remote control unit with integral wireless transmitter for operation with the wireless base station (accessories). For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) *Max. 3 wireless remote control units per Vitotronic.*	Z011219 **187,–**	Part no. **Euro**

Wireless accessories

		MG W
Wireless base station (KM-BUS subscriber) For communication between the Vitotronic control unit and the following components: ■ Vitotrol 200-RF wireless remote control unit *For up to 3 wireless remote control units. Not in conjunction with a hardwired remote control unit.*	Z011413 **169,–**	Part no. **Euro**
EnOcean wireless repeater Mains operated wireless repeater to increase the wireless range of ENOcean wireless signals and for use in areas where wireless communication is difficult. ■ Redirection of wireless signals if disrupted by steel reinforced ceilings and/or multiple walls ■ For circumventing larger metallic objects situated between the wireless components. *Max. 1 wireless repeater per Vitotronic.*	7456538 **352,–**	Part no. **Euro**

Sensors

		MG W
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting *To supplement the Vitotrol 300-A* *If the Vitotrol 300-A cannot be sited in a suitable location to capture the room temperature.*	7438537 **87,–**	Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Stainless steel sensor well R ½, 200 mm long.	7819693 **67,–**	Part no. **Euro**

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Accessories		
Solar DHW heating and central heating backup		MG WO
Solar control module, type SM1 Function extension inside enclosure for wall mounting. Electronic temperature differential control for dual mode DHW heating and central heating backup using solar collectors. ■ With output statement and diagnostic system ■ Operation and display via the Vitotronic control unit ■ Heating of two consumers via a collector array ■ Second temperature differential control ■ Thermostat function for reheating or utilising excess heat ■ Speed control for solar circuit pump with PWM input (make: Grundfos and Wilo) ■ Suppression of DHW cylinder reheating by the heat generator, subject to solar yield ■ Suppression of reheating for heating by the heat generator with central heating backup ■ Heat-up of the solar preheating stage (for DHW cylinders from 400 litres capacity) Order the immersion temperature sensor, part no. 7438702, if the following functions are required: ■ For DHW circulation changeover in systems with 2 DHW cylinders ■ For return changeover between heat generator and heating water buffer cylinder ■ For heating additional consumers		Z014470 **622,–**	Part no. **Euro**
Function extensions		MG W
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: 3 digital inputs. ■ External changeover of operating status for heating circuits 1 to 3. ■ Fault messages. ■ Brief operation of DHW circulation pump. 1 switching output (floating changeover contact). ■ Central fault message output. ■ Switching a feed pump to a substation.		7452091 **227,–**	Part no. **Euro**
Miscellaneous		MG W
Mounting kit for installation in control panel For installing the Vitotronic programming unit in a control panel door, if the Vitotronic is being fitted in a control panel. ■ Mounting frame for installing the programming unit in the front door of the control panel ■ Dummy cover for installation in the control unit ■ Connecting cable (5 m long) ■ Elbow plug for connecting cable		7452236 **145,–**	Part no. **Euro**

Heating mixer welding fitting		MG W
Heating mixer-4 Welding fitting. 		
Heating mixer-4 DN 20 Welding fitting	7237115 **237,–**	Part no. **Euro**
Heating mixer-4 DN 25 Welding fitting	7237142 **279,–**	Part no. **Euro**
Heating mixer-4 DN 32 Welding fitting	7237143 **305,–**	Part no. **Euro**
Heating mixer-4 DN 40 Welding fitting	7237144 **336,–**	Part no. **Euro**
Heating mixer-4 DN 50 Welding fitting	7237145 **371,–**	Part no. **Euro**
Heating mixer-3 Welding fitting. 		
Heating mixer-3 DN 20 Welding fitting	7071977 **237,–**	Part no. **Euro**
Heating mixer-3 DN 25 Welding fitting	7002777 **279,–**	Part no. **Euro**
Heating mixer-3 DN 32 Welding fitting	7002778 **305,–**	Part no. **Euro**
Heating mixer-3 DN 40 Welding fitting	7002779 **336,–**	Part no. **Euro**
Heating mixer-3 DN 50 Welding fitting	7036424 **371,–**	Part no. **Euro**

Heating mixer (with flanges)		MG W
Heating mixer-3 With PN 6 flanges 		
Heating mixer-3 DN 40 With PN 6 flanges With mixer lever	9522482 **345,–**	Part no. **Euro**
Heating mixer-3 DN 50 With PN 6 flanges With mixer lever	9522483 **389,–**	Part no. **Euro**
Heating mixer-3 DN 65 With PN 6 flanges	9522484 **495,–**	Part no. **Euro**
Heating mixer-3 DN 80 With PN 6 flanges	9522485 **813,–**	Part no. **Euro**

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Control unit accessories

Mixers

Heating mixer (with flanges)		MG W
Heating mixer-3 DN 100 With PN 6 flanges	9522486 **1.328,–**	Part no. **Euro**
Heating mixer threaded fitting		MG W
Heating mixer-4 Threaded fitting. 		
Heating mixer-4 R ¾ Threaded fitting	7239540 **265,–**	Part no. **Euro**
Heating mixer-4 R 1 Threaded fitting	7239541 **305,–**	Part no. **Euro**
Heating mixer-4 R 1¼ Threaded fitting	7239542 **339,–**	Part no. **Euro**
Special heating mixer		MG W
Special heating mixer-3 Also suitable for underfloor heating systems. 		
Special heating mixer-3 R ½ Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 15 or 18 mm, or threaded fitting R ½.	7338213 **232,–**	Part no. **Euro**
Special heating mixer-3 R ¾ Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 22 mm, or threaded fitting R ¾.	7338214 **276,–**	Part no. **Euro**
Special heating mixer-3 R 1 Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 28 mm, or threaded fitting R 1.	7338215 **312,–**	Part no. **Euro**
Solder fitting inserts internal Ø 15 mm 1 set for special heating mixer-3.	7207284 **12,60**	Part no. **Euro**
Solder fitting inserts internal Ø 18 mm 1 set for special heating mixer-3.	7338211 **20,–**	Part no. **Euro**
Solder fitting inserts internal Ø 22 mm 1 set for special heating mixer-3.	7207285 **20,–**	Part no. **Euro**
Solder fitting inserts internal Ø 28 mm 1 set for special heating mixer-3.	7207286 **35,–**	Part no. **Euro**
Threaded fitting inserts R ½ 1 set for special heating mixer-3.	7338229 **24,–**	Part no. **Euro**
Threaded fitting inserts R ¾ 1 set for special heating mixer-3.	7338230 **29,–**	Part no. **Euro**
Threaded fitting inserts R 1 1 set for special heating mixer-3.	7338231 **36,–**	Part no. **Euro**

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Special heating mixer		MG W
Special heating mixer-4 Also suitable for underfloor heating systems. 		
Special heating mixer-4 R ½ Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 15 or 18 mm, or threaded fitting R ½.	7338216 **250,–**	Part no. **Euro**
Special heating mixer-4 R ¾ Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 22 mm, or threaded fitting R ¾.	7338217 **312,–**	Part no. **Euro**
Special heating mixer-4 R 1 Also suitable for underfloor heating systems. Inserts must also be ordered; solder fitting internal Ø 28 mm, or threaded fitting R 1.	7338218 **345,–**	Part no. **Euro**
Solder fitting inserts internal Ø 15 mm 1 set for special heating mixer-4.	7303303 **21,–**	Part no. **Euro**
Solder fitting inserts internal Ø 18 mm 1 set for special heating mixer-4.	7338212 **29,–**	Part no. **Euro**
Solder fitting inserts internal Ø 22 mm 1 set for special heating mixer-4.	7303304 **35,–**	Part no. **Euro**
Solder fitting inserts internal Ø 28 mm 1 set for special heating mixer-4.	7303305 **42,–**	Part no. **Euro**
Threaded fitting inserts R ½ 1 set for special heating mixer-4.	7338208 **35,–**	Part no. **Euro**
Threaded fitting inserts R ¾ 1 set for special heating mixer-4.	7338209 **36,–**	Part no. **Euro**
Threaded fitting inserts R 1 1 set for special heating mixer-4.	7338210 **45,–**	Part no. **Euro**

►*For mixer motors, see following page.*

Control unit accessories

Mixer motors and sensors

Mixer motors and sensors

Heating circuit control unit extension

		MG W
Mixer motor ■ For Viessmann heating mixers DN 20 to 50 (welding fitting) and R ½ to R 1¼ (not for flanged mixers) ■ For wiring on site	7450657 **297,–**	Part no. **Euro**
Mixer motor (for flanged mixers) For Viessmann mixers DN 40 and 50. For wiring on site.	ZK05435 **832,–**	Part no. **Euro**
Mixer motor (for flanged mixers) For Viessmann mixers DN 65 to 100. For wiring on site.	Z004344 **931,–**	Part no. **Euro**
Plug-in connector 52 (3 pce) ■ For mixer motors ■ Required for mixer motors without cable	7415057 **20,–**	Part no. **Euro**
Plug-in connector 20 (3 pce) ■ For heating circuit pump ■ Required for heating circuit pumps without cable	7415056 **17,60**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ For wiring on site	7452538 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Sensor well G ½ x 100 mm long, with retaining clip	7816035 **35,–**	Part no. **Euro**
Sensor well G ½ x 150 mm long, with retaining clip	7817326 **35,–**	Part no. **Euro**
Plug-in connector (3 pce) For sensors (2-pole)	7268274 **13,90**	Part no. **Euro**

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Mixer motors and sensors		
Miscellaneous		MG W
Plug-in connector 50 for Vitotronic control units (3 pce) For connecting the central fault message	7817232 **17,60**	Part no. **Euro**
Plug-in connector 156 (3 pce) For external accessories	7818057 **17,60**	Part no. **Euro**

Control unit accessories

Temperature controller

Temperature controller		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100 (type UTDB) ■ Room temperature controller ■ With switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Independent of mains power supply (3 V battery operation)	Z007691 **162,–**	Part no. **Euro**
Vitotrol 100 (type UTDB-RF) ■ Room temperature controller with integral wireless transmitter and separate receiver with switching output (2-point output) ■ With menu-guided operation ■ With digital time switch ■ With individual day and seven-day program ■ With 3 preset time programs, individually adjustable ■ Room temperature controller with 3 V battery operation, receiver with 230 V mains voltage	Z007692 **299,–**	Part no. **Euro**
Temperature controller/limiter		MG W
Temperature controller ■ With stainless steel sensor well G ½, 100 mm long ■ Setting range: 30 to 80 °C	Z001886 **158,–**	Part no. **Euro**
Temperature controller ■ With stainless steel sensor well G ½, 150 mm long ■ Setting range: 30 to 80 °C	Z001888 **162,–**	Part no. **Euro**
Temperature controller ■ With stainless steel sensor well G ½, 200 mm long ■ Setting range: 30 to 80 °C	Z001887 **158,–**	Part no. **Euro**
Temperature limiter/high limit temperature cut-out device ■ For installation in the DHW cylinder. With two thermostatic systems. Temperature limiter (setting range: 30 to 110 °C) - High limit temperature cut-out device (switching point 120 (110, 100, 95 °C) - With stainless steel sensor well R ½, 200 mm long	7151990 **293,–**	Part no. **Euro**
High limit temperature cut-out device		MG W
High limit temperature cut-out device ■ **For installation in the DHW cylinder**. With a thermostatically controlled system. ■ Required if a cylinder volume of less than 40 litres is available per m² absorber area. This safely prevents temperatures above 95 °C in the DHW cylinder. ■ With stainless steel sensor well G ½, 200 mm long	Z001889 **166,–**	Part no. **Euro**
High limit temperature cut-out device ■ Switching point 120 °C, adjustable to 110/100/95 °C ■ With stainless steel sensor well G ½ × 150 mm long	Z001890 **170,–**	Part no. **Euro**
Temperature controller for regulating swimming pool temperature		MG W
Temperature controller For swimming pool temperature control ■ With stainless steel sensor well, 200 mm long ■ Setting range: 0 to 35 °C	7009432 **388,–**	Part no. **Euro**

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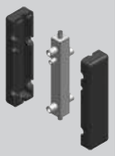
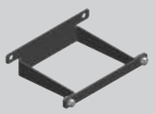
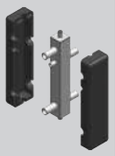
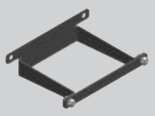
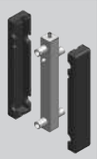
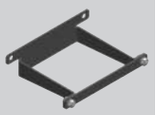
Accessories

Low loss header		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV		ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials		ZK03682 **54,–**	Part no. **Euro**
Low loss header, type Q80 ■ Heating water flow rate of up to 4.5 m³/h ■ R 1 ¼ male connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV		ZK03680 **264,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q80 ■ 2 pce ■ With fixing materials		ZK03683 **61,–**	Part no. **Euro**
Low loss header, type Q100 ■ Heating water flow rate of up to 8 m³/h ■ R 2 male connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV		ZK03681 **330,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q100 ■ 2 pce ■ With fixing materials		ZK03684 **64,–**	Part no. **Euro**

Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature *Additional sensor for dual sensor well* *In conjunction with KM-BUS extension kit*		7179488 **110,–**	Part no. **Euro**
Immersion temperature sensor (for low loss header) To capture the low loss header temperature ■ With connecting lead and plug *Additional sensor for dual sensor well* *In conjunction with PlusBus extension kit*		ZK04032 **106,–**	Part no. **Euro**

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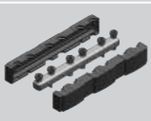
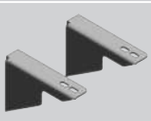
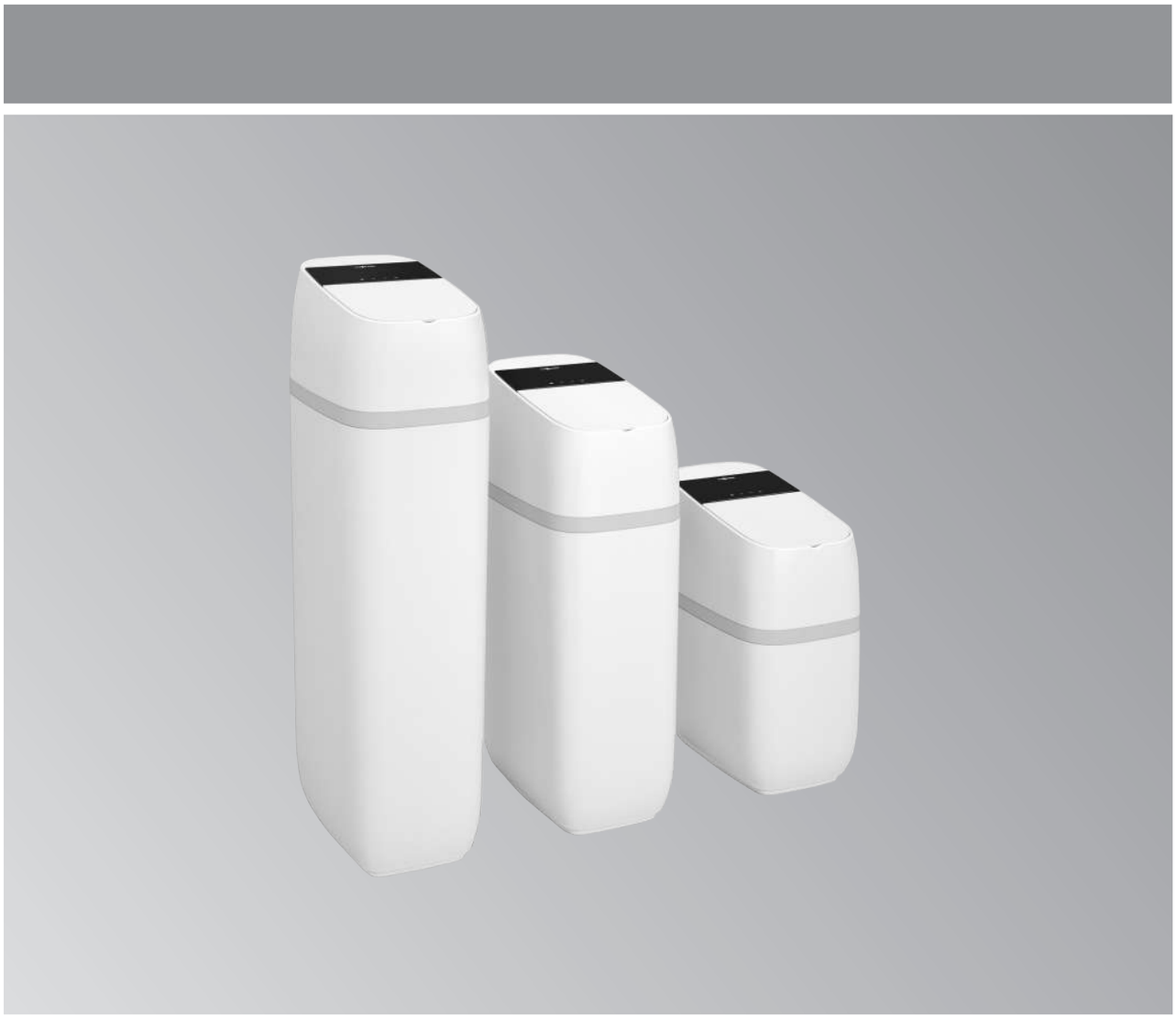
Low loss headers and distributors

For Divicon heating circuit distributor

Accessories

Divicon accessories Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold ■ With thermal insulation (black) ■ With integral sensor well		7460649 **343,–**		**–**	Part no. **Euro**
Low loss header for Divicon Flow rate up to 7.5 m³/h. Connection to the manifold ■ With thermal insulation (black) ■ With integral sensor well		**–**		7460648 **428,–**	Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Sensors Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature		7179488 **110,–**			Part no. **Euro**



Softening system

For producing soft drinking water

Single-column system using the cation exchange process

Min. operating pressure: 1.4 bar
Operating pressure: 8.5 bar
Operating temperature 4 to 49 °C
Flow rates: 15 to 28 l/min

- Efficient protection against limescale in drinking water lines, water heaters and plumbing fittings
- Effective reduction of limescale deposits in domestic appliances such as washing machines, kettles, coffee makers, dishwashers
- Reduction in quantities of detergents, shower and skincare products needed
- Extended service life of domestic appliances
- Gleaming bathroom fittings due to significantly reduced limescale deposits on taps and sanitary surfaces
- Low salt and regeneration water consumption due to intelligent control and innovative individual components
- Straightforward operation via control unit with LED display and touch buttons
- Web-enabled through integral WiFi interface for operation and service via Viessmann apps
- Local access for service and commissioning via Viessmann apps (without active internet connection)

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Softening system

For producing soft drinking water

Drinking water softening system	ViCare	ViGuide	Model name Vitoset Aqua 34S	74S	87S	124S	87SH	MG W
Vitoset Aqua drinking water softening system ■ For producing soft drinking water according to the cation exchange process. Volume and time-controlled system with proportional salination for efficient and economical operation. ■ Can be used in family houses and apartment buildings with up to 3 residential units taking into account existing raw water hardness, number of occupants and water consumption. **Standard delivery:** ■ Drinking water softener ■ Blending valve ■ Armoured hoses ■ Siphon connection set DN 40 to DIN EN 1717 ■ Hardness test equipment			Z024765 **1.824,–**	Z024766 **1.961,–**	Z024767 **2.207,–**	Z024768 **2.384,–**	Z024769 **2.465,–**	Part no. **Euro**

Specification						
Resin volume	9.3	15.9	19.8	26.0	17.5	l
Exchange capacity	2.4 to 4.0	4.2 to 9.8	6.9 to 15.1	6.3 to 18.4	5.8 to 11.7	mol
Salt quantity	0.4 to 1.1	0.7 to 3.2	1.0 to 5.1	0.9 to 5.7	0.8 to 4.5	kg
Flow rate	15	24	28	27	23	l/min
Pressure drop at flow rate	0.2	0.8	0.8	1.0	0.6	bar
Flow rate at 1 bar pressure drop	30	27	31	26	28	l/min
Operating temperature	4 to 49	4 to 49	4 to 49	4 to 49	4 to 49	°C
Operating pressure	1.4 to 8.5	1.4 to 8.5	1.4 to 8.5	1.4 to 8.5	1.4 to 8.5	bar
Salt tank capacity	22	44	68	62	62	kg
Energy consumption	10	10	10	10	10	W
Height	610	895	1140	1140	1140	mm
Width	320	320	320	320	320	mm
Depth	455	455	455	455	455	mm
Weight	21	30	35	41	37	kg

Accessories for drinking water softening system		MG V
Vitoset Aqua Safety Pack S For shutting off the main water supply in case an internal/external leak is detected. Comprising: ■ 1 Aqua shut-off valve DN 25 female ■ 3 Aqua leak sensors (Bluetooth)	7419559 **392,–**	Part no. **Euro**

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Accessories for drinking water softening system		MG V
Vitoset Aqua leak sensor Optional accessory: in combination with the Vitoset shut-off valve and Vitoset Aqua drinking water softening system to provide leak protection for the drinking water system. ■ Integral humidity sensor ■ Data transfer via Bluetooth (class 2) ■ Battery operation (button cell CR2450 included in standard delivery) **Please note:** Up to 5 leak sensors can be connected to the Vitoset Aqua drinking water softening system.	7938832 **63,–**	Part no. **Euro**
Vitoset Aqua Safety Valve S In combination with the Vitoset Aqua drinking water softening system to provide leak protection for the drinking water system. ■ Connection Rp 1 inch ■ Includes connecting lead to the Vitoset Aqua drinking water softening system	7419237 **250,–**	Part no. **Euro**

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Vitocrossal 100, type CIB	With MatriX cylinder burner	80 to	318 kW	**12.1**
Vitocrossal 200, type CM2C	With MatriX radiant burner or MatriX cylinder burner	87 to	311 kW	**12.2**
Vitocrossal 200, type CM2	With MatriX cylinder burner	400 to	620 kW	**12.3**
Flue systems for Vitocrossal				**12.4**
Vitocrossal 300, type CR3B	Burners on request	787 to	1400 kW	**12.5**

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Control unit versions

		Vitotronic 100 (type GC7B)	Vitotronic 200 (type GW7B)[*1]	Vitotronic 100 (type GC7B) With LON communication module	Vitotronic 300-K (type MW1B)[*2] With cascade control
Vitocrossal 100 Type CIB	– Single boiler system	●	●		
	– Twin boiler system			●[*4]	●
	– Multi boiler system			●[*4]	●

Control unit versions

		Vitotronic 100 (type CC1I/CC1E)	Vitotronic 200 (type CO1I/CO1E)[*1]	Vitotronic 300 (type CM1I/CM1E)[*2] With cascade function
Vitocrossal 200 Type CM2	– Single boiler system	●	●	
	– Multi boiler system	●[*3]		●
Vitocrossal 200 Type CM2C	– Single boiler system	●	●	
	– Multi boiler system	●[*3]		●
Vitocrossal 300[*1], Type CR3B	– Single boiler system	●	●	
	– Multi boiler system	●[*3]		●

*[*1]For 2 heating circuits with mixer (accessories required).*
*[*2]One for the multi boiler system.*
*[*3]For each lag boiler in the multi boiler system.*
*[*4]For each boiler in the multi boiler system.*

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Vitocrossal 100

Type CIB

Gas condensing boiler with MatriX cylinder burner for natural gas E and LL, for open flue or room sealed operation
- With hydrogen blends of up to 20 % by vol.

Permissible operating temperature up to 95 °C
Permissible safety temperature up to 110 °C

Permissible operating pressure 6 bar (0.6 MPa)

CE designation: CE-0085CR0391

Safety equipment sized to rated heating output at a system temperature of 80/60 °C (EN 12828).
The boiler is intrinsically protected against low water.

- Condensing unit with MatriX cylinder burner with Lambda Pro Control, 75 to 318 kW, also available as a dual system up to 636 kW in a single casing
- Boiler available as pre-wired and pre-assembled unit or as individual components
- Standard seasonal efficiency [to DIN] up to 98 % (Hs) [gross cv]
- High operational reliability and a long service life due to corrosion-resistant Inox-Crossal heat exchanger made from stainless steel.
- Low-wear operation through wide modulation range and long burner runtimes without cycling.
- MatriX cylinder burner with Lambda Pro Control for environmentally responsible operation, with a modulation range down to 1:5.
- Easy to operate Vitotronic control unit with plain text and graphic display
- Clean combustion through self-calibrating, gas-adaptive combustion control (NOx category 6)
- Space saving and compact; integral castors and well fitted packaging make it ideal where access to the boiler room is difficult.
- Vitocontrol control cabinet can be supplied on request.

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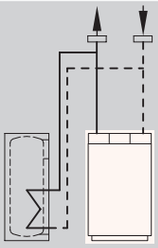
VITOCROSSAL 100

Single boiler system with constant temperature control unit

12.1

Heating system	Control unit
 ■ Single boiler system for operation with constant boiler water temperature	**Vitotronic 100** **Type GC7B, for constant temperature mode** ■ Boiler control unit ■ For a modulating burner ■ With cylinder temperature controller (cylinder temperature sensor must be ordered separately) According to the GEG (German Buildings Energy Act), a weather-compensated or room temperature-dependent control unit with time program for reduced mode must be installed downstream (see Register 11.1). For single boiler systems, the cylinder temperature sensor must be ordered separately: **Cylinder temperature sensor** Part no. 7179114 **Euro 110,– MG W**

Standard delivery:

- Boiler body with thermal insulation, adjustable feet and castors
- Boiler control unit
- MatriX cylinder burner
- Boiler flue connection (bend)

Required Accessories:
The following accessories are required to operate the Vitocrossal 100, type CIB, and must be added to the order:
- Accessories for room sealed operation
  or
- Accessories for open flue operation (for boilers with 200 kW or higher)

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.
MatriX cylinder burners have a manufacturer's certificate in line with BImSchV.
► *For mating flanges for the boiler flow and return, see Accessories.*

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Burner versions Fuel Boiler body	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C 80 74	120 110	160 146	200 184	240 220	280 258	318 291	MG XC
MatriX cylinder burner Natural gas E (H) Natural gas LL Unit	Z019453 **8.295,–**	Z019454 **9.999,–**	Z019455 **11.551,–**	Z019456 **13.542,–**	Z019457 **15.503,–**	Z019458 **17.571,–**	Z019459 **19.265,–**	Part no. **Euro**
MatriX cylinder burner Natural gas E (H) Natural gas LL Individual components	Z019460 **8.294,–**	Z019461 **10.807,–**	Z019462 **11.550,–**	Z019463 **14.499,–**	Z019464 **15.507,–**	Z019465 **18.451,–**	Z019466 **19.268,–**	Part no. **Euro**
Specification								
Length	745	875	875	980	980	1090	1090	mm
Width	750	750	750	750	750	750	750	mm
Height	1650	1650	1650	1650	1650	1650	1650	mm
Weight	231	277	277	327	327	369	369	kg
Handling dimensions	680	680	680	680	680	680	680	Ø mm
Flue gas connection	200	200	200	200	200	200	200	Ø mm
Draught (Pa)	80	120	120	110	110	140	140	Pa
Draught (mbar)	0.8	1.2	1.2	1.1	1.1	1.4	1.4	mbar

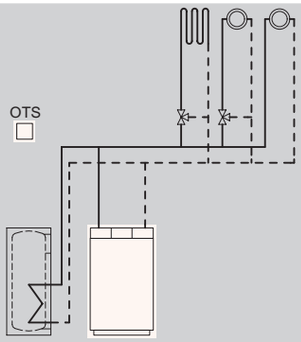
Note on boiler body:
Unit: Boiler is delivered fully assembled (MatriX cylinder burner, thermal insulation, control unit) on a pallet with ramp for unloading.
Individual components: Boiler is delivered disassembled (boiler body on a pallet with ramp for unloading; MatriX cylinder burner, thermal insulation and control unit in separate packaging units).
Handling dimensions refer to the boiler without thermal insulation.

Notes!
- The draught is the draught available at the flue gas connection.
- Min. gas supply pressure (flow pressure) of the burner 17 mbar. Max. permissible gas supply pressure (flow pressure) 25 mbar.
- For **open flue operation**, the "Accessories for open flue operation" are required for a **rated heating output of 200 kW or more**; see Accessories.
- For **room sealed operation**, the "Accessories for room sealed operation" are required.
- For **room sealed operation**, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

VITOCROSSAL 100

Single boiler system with weather-compensated control unit

12.1

Heating system	Control unit
 ■ Single boiler system and 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type GW7B, for weather-compensated mode** ■ Boiler control unit ■ For a modulating burner ■ With cylinder temperature controller (cylinder temperature sensor must be ordered separately) ■ With individual day and seven-day program ■ Adjustable heating curves, set temperatures and heating programs ■ With integral diagnostic system ■ Capable of communicating via LON bus (LON communication module must be added to the order) With connection option for one heating circuit without mixer and 2 heating circuits with mixer. An extension is required for each **heating circuit with mixer**: **Mixer extension kit (mixer mounting)** Part no. ZK02940 **Euro 652,– MG W** **Mixer extension kit (wall mounting)** Part no. ZK02941 **Euro 428,– MG W** **Cylinder temperature sensor** Part no. 7179114 **Euro 110,– MG W**

Standard delivery:

- Boiler body with thermal insulation, adjustable feet and castors
- Boiler control unit
- Outside temperature sensor
- MatriX cylinder burner
- Boiler flue connection (bend)

Required Accessories:
The following accessories are required to operate the Vitocrossal 100, type CIB, and must be added to the order:
- Accessories for room sealed operation
  or
- Accessories for open flue operation (for boilers with 200 kW or higher)

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.
MatriX cylinder burners have a manufacturer's certificate in line with BImSchV.
► *For mating flanges for the boiler flow and return, see Accessories.*

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Burner versions Fuel Boiler body	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C							MG XC
	80 74	120 110	160 146	200 184	240 220	280 258	318 291	
MatriX cylinder burner Natural gas E (H) Natural gas LL Unit	Z019467 **8.749,–**	Z019468 **10.453,–**	Z019469 **12.005,–**	Z019470 **13.996,–**	Z019471 **15.957,–**	Z019472 **18.025,–**	Z019473 **19.719,–**	Part no. **Euro**
MatriX cylinder burner Natural gas E (H) Natural gas LL Individual components	Z019474 **8.748,–**	Z019475 **11.261,–**	Z019476 **12.004,–**	Z019477 **14.953,–**	Z019478 **15.961,–**	Z019479 **18.905,–**	Z019480 **19.722,–**	Part no. **Euro**

Specification								
Length	745	875	875	980	980	1090	1090	mm
Width	750	750	750	750	750	750	750	mm
Height	1650	1650	1650	1650	1650	1650	1650	mm
Weight	231	277	277	327	327	369	369	kg
Handling dimensions	680	680	680	680	680	680	680	Ø mm
Flue gas connection	200	200	200	200	200	200	200	Ø mm
Draught (Pa)	80	120	120	110	110	140	140	Pa
Draught (mbar)	0.8	1.2	1.2	1.1	1.1	1.4	1.4	mbar

Note on boiler body:
Unit: Boiler is delivered fully assembled (MatriX cylinder burner, thermal insulation, control unit) on a pallet with ramp for unloading.
Individual components: Boiler is delivered disassembled (boiler body on a pallet with ramp for unloading; MatriX cylinder burner, thermal insulation and control unit in separate packaging units).
Handling dimensions refer to the boiler without thermal insulation.

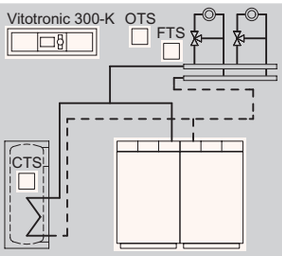
Notes!
- The draught is the draught available at the flue gas connection.
- Min. gas supply pressure (flow pressure) of the burner 17 mbar. Max. permissible gas supply pressure (flow pressure) 25 mbar.
- For **open flue operation**, the "Accessories for open flue operation" are required for a **rated heating output of 200 kW or more**; see Accessories.
- For **room sealed operation**, the "Accessories for room sealed operation" are required.
- For **room sealed operation**, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

VITOCROSSAL 100

Twin boiler system

12.1

Heating system



Twin boiler and 1 or 2 heating circuits with mixer

Control unit

Vitotronic 100/300-K
Type GC7B/MW1B, for weather-compensated mode

Vitocrossal 100 with standard control equipment for twin boilers (in shared thermal insulation)

Weather-compensated cascade control of 2 boilers with Vitotronic 100 and control of up to 2 heating circuits with mixer.

- With individual day and seven-day program
- With separately adjustable time periods, heating curves, set temperatures and heating programs
- With cylinder temperature controller and sensor
- Capable of communicating via LON bus (in the Vitotronic 300-K, the LON communication module is built-in; for the Vitotronic 100, it is supplied separately)
- With integral diagnostic system and additional functions

To terminate the system bus, a terminator must be added to the order:
Terminators (2 pce)
Part no. 7143497 **Euro 10,50 MG W**

Note on hydraulic system pipework:
For systems with 2 boiler circuit pumps, please order the boiler for a multi boiler system and accessories "Hydraulic system pipework (without shut-off dampers)".

Note on multi boiler systems/cascade control:
- For systems with more than one twin boiler or for cascade control with other heat generators, we recommend constructing the system from single boilers.
  ►See next double page.
- For twin boilers with **a common flue**, a pressure switch connection set is essential (see Accessories). The flue gas headers available as accessories from the Viessmann accessories range include the pressure switch connection set and motorised flue gas dampers as part of the standard delivery.

Standard delivery:

- 2 boiler bodies with adjustable feet and castors
- 1 set of thermal insulation for both boiler bodies (twin boiler)
- 2 MatriX cylinder burners
- 2 boiler flue connections (bends)
- 1 Vitotronic 300-K weather-compensated cascade control unit
- 2 Vitotronic 100 boiler control units, fully wired
- 2 LON communication modules for installation in the Vitotronic 100
- Outside, cylinder and flow temperature sensor
- Hydraulic system pipework (flow and return header, 2 motorised butterfly valves)

Required Accessories:
The following accessories are required to operate the Vitocrossal 100, type CIB, and must be added to the order:
- Accessories for room sealed operation
  or
- Accessories for open flue operation (for boilers with 200 kW or higher)

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.
MatriX cylinder burners have a manufacturer's certificate in line with BImSchV.
► *For mating flanges for the boiler flow and return, see Accessories.*

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	Burner versions Fuel	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C							MG XC
		240 220	320 292	400 368	480 440	560 516	636 582		
	MatriX cylinder burner Natural gas E (H) Natural gas LL	Z019757 **26.262,–**	Z019758 **27.748,–**	Z019759 **33.643,–**	Z019760 **35.659,–**	Z019761 **41.344,–**	Z019762 **42.978,–**		Part no. **Euro**
	Specification								
	Length	875	875	980	980	1090	1090		mm
	Width	1500	1500	1500	1500	1500	1500		mm
	Height	1650	1650	1650	1650	1650	1650		mm
	Weight	551	551	651	651	735	735		kg
	Flue gas connection	200	200	200	200	200	200		Ø mm
	Draught (Pa)	120	120	110	110	140	140		Pa
	Draught (mbar)	1.2	1.2	1.1	1.1	1.4	1.4		mbar

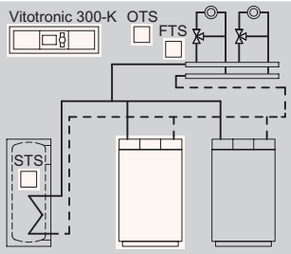
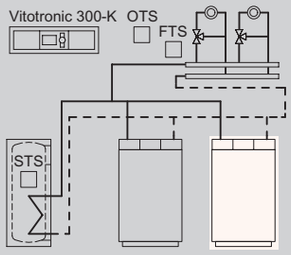
Note on delivery of the twin boiler:
Twin boiler is delivered disassembled (2 boiler bodies, each on a pallet with ramp for unloading, 2 MatriX cylinder burners, 1 set of thermal insulation, 2 boiler control units and 1 cascade control unit in separate packaging units).

Notes!
- The draught is the draught available at the flue gas connection (values related to single boilers).
- Min. gas supply pressure (flow pressure) of the burner 17 mbar. Max. permissible gas supply pressure (flow pressure) 25 mbar.
- For **open flue operation**, the "Accessories for open flue operation" are required (2 pce for the twin boiler) for a **rated heating output of 200 kW or more**; see Accessories.
- For **room sealed operation**, the "Accessories for room sealed operation" are required (2 pce for the twin boiler).
- For **room sealed operation**, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

VITOCROSSAL 100

Multi boiler systems

12.1

Heating system	Control unit
 ■ Max. 4 boilers	**Vitotronic 100/300-K** **Type GC7B/MW1B, for weather-compensated mode** **Vitocrossal 100 with standard control equipment for multi boiler systems.** **Weather-compensated cascade control of up to 4 boilers with Vitotronic 100 and control of up to 2 heating circuits with mixer.** ■ With individual day and seven-day program ■ With separately adjustable time periods, heating curves, set temperatures and heating programs ■ With cylinder temperature controller and sensor ■ Capable of communicating via LON bus (in the Vitotronic 300-K, the LON communication module is built-in; for the Vitotronic 100, it is supplied separately) ■ With integral diagnostic system and additional functions To terminate the system bus, a terminator must be added to the order: **Terminators (2 pce)** Part no. 7143497 **Euro 10,50 MG W**
 ■ Max. 4 boilers	**Vitotronic 100** **Type GC7B, for weather-compensated mode** **In conjunction with Vitotronic 300-K of the multi boiler system.** ■ For each additional **boiler** in a **multi boiler system** ■ Boiler control unit ■ For a modulating burner ■ Capable of communicating via LON bus (with LON communication module, supplied separately)

Note on cascade control with a CHP unit or other heat generators:
Vitocontrol, for weather-compensated cascade control of boilers with a Vitotronic 100 control unit and a Vitobloc 200 CHP unit or other heat generators on request.
Note on multi boiler system with a common flue:
All multi boiler systems with **a common flue** (positive pressure operation) require motorised flue gas dampers (see Accessories).
Please note:
For multi boiler systems with a common flue, the following accessories are **always** mandatory, depending on the type of multi boiler system:
- **Pressure switch connection set** for two-boiler systems consisting of 2 Vitocrossal, type CIB, with the same rated heating output. The flue gas headers available as accessories from the Viessmann accessories range include the pressure switch connection set and motorised flue gas dampers as part of the standard delivery.
  Or
- **Relay box and relay box connection set** for two-boiler systems consisting of 2 Vitocrossal, type CIB, with different rated heating outputs, or two-boiler systems with one different boiler, or for multi boiler systems with up to 4 boilers

Standard delivery:

- Boiler body with thermal insulation, adjustable feet and castors
- MatriX cylinder burner
- Boiler flue connection (bend)
- Vitotronic 100 boiler control unit, fully wired, and LON communication module supplied separately
- 1 Vitotronic 300-K cascade control unit for the multi boiler system
- Outside, cylinder and flow temperature sensor

Required Accessories:
The following accessories are required to operate the Vitocrossal 100, type CIB, and must be added to the order:
- Accessories for room sealed operation
  or
- Accessories for open flue operation (for boilers with 200 kW or higher)

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.
MatriX cylinder burners have a manufacturer's certificate in line with BImSchV.
► *For mating flanges for the boiler flow and return, see Accessories.*

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Burner versions Fuel Boiler body	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C							MG XC
	80 74	120 110	160 146	200 184	240 220	280 258	318 291	
MatriX cylinder burner Natural gas E (H) Natural gas LL Unit	Z019487 **12.641,–**	Z019488 **14.345,–**	Z019489 **15.897,–**	Z019490 **17.888,–**	Z019491 **19.849,–**	Z019492 **21.917,–**	Z019493 **23.611,–**	Part no. **Euro**
MatriX cylinder burner Natural gas E (H) Natural gas LL Individual components	Z019494 **12.640,–**	Z019495 **15.153,–**	Z019496 **15.896,–**	Z019497 **18.845,–**	Z019498 **19.853,–**	Z019499 **22.797,–**	Z019500 **23.614,–**	Part no. **Euro**
MatriX cylinder burner Natural gas E (H) Natural gas LL Unit	Z019501 **8.564,–**	Z019502 **10.268,–**	Z019503 **11.820,–**	Z019504 **13.811,–**	Z019505 **15.772,–**	Z019506 **17.840,–**	Z019507 **19.534,–**	Part no. **Euro**
MatriX cylinder burner Natural gas E (H) Natural gas LL Individual components	Z019508 **8.563,–**	Z019509 **11.076,–**	Z019510 **11.819,–**	Z019511 **14.768,–**	Z019512 **15.776,–**	Z019513 **18.720,–**	Z019514 **19.537,–**	Part no. **Euro**
Specification								
Length	745	875	875	980	980	1090	1090	mm
Width	750	750	750	750	750	750	750	mm
Height	1650	1650	1650	1650	1650	1650	1650	mm
Weight	231	277	277	327	327	369	369	kg
Handling dimensions	680	680	680	680	680	680	680	Ø mm
Flue gas connection	200	200	200	200	200	200	200	Ø mm
Draught (Pa)	80	120	120	110	110	140	140	Pa
Draught (mbar)	0.8	1.2	1.2	1.1	1.1	1.4	1.4	mbar

Note on boiler body:
Unit: Boiler is delivered fully assembled (MatriX cylinder burner, thermal insulation, control unit) on a pallet with ramp for unloading.
Individual components: Boiler is delivered disassembled (boiler body on a pallet with ramp for unloading; MatriX cylinder burner, thermal insulation and control unit in separate packaging units).
Handling dimensions refer to the boiler without thermal insulation.

Notes!
- The draught is the draught available at the flue gas connection.
- Min. gas supply pressure (flow pressure) of the burner 17 mbar. Max. permissible gas supply pressure (flow pressure) 25 mbar.
- For **open flue operation**, the "Accessories for open flue operation" are required (for each boiler) for a **rated heating output of 200 kW or more**; see Accessories.
- For **room sealed operation**, the "Accessories for room sealed operation" are required (for each boiler).
- For **room sealed operation**, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

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12.1

Accessories

Boiler	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Safety valve connection	R 1¼								
Safety equipment block ■ With safety valve (3 bar), pressure gauge and air vent valve ■ Incl. thermal insulation ■ With elbow	ZK06065 **258,–**					-			Part no. **Euro**
Diaphragm safety valve 3 bar ■ With 3 bar safety valve ■ With elbow	ZK06066 **122,–**				ZK06067 **159,–**				Part no. **Euro**
Input	G 1				G 1¼				
Output	G 1¼				G 1½				
Diaphragm safety valve 4 bar ■ With 4 bar safety valve ■ With elbow	ZK06068 **102,–**				ZK06069 **296,–**				Part no. **Euro**
Input	G 1				G 1¼				
Output	G 1¼				G 1½				
Diaphragm safety valve 6 bar ■ With 6 bar safety valve ■ With elbow	ZK06070 **113,–**								Part no. **Euro**
Input	G 1								
Output	G 1¼								
Mating flange (1 pce) With screws and gasket *A mating flange must be added to the order for each connection.*									
For heating flow and return DN 50 PN 6	ZK04589 **39,–**				-				Part no. **Euro**
For heating flow and return DN 65 PN 6	-				ZK04590 **61,–**				Part no. **Euro**

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Accessories for room sealed operation *(One pce per boiler must be added to the order.)*	ZK03152 **404,–**		ZK03153 **649,–**		ZK03154 **637,–**				Part no. **Euro**
Accessories for open flue operation Extension for combustion air intake for smoothing the air flow. *Must be added to the order for open flue operation.* *(One pce per boiler must be added to the order.)*	**–**				ZK03279 **163,–**				Part no. **Euro**

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Accessories

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Gas connection sets with gas connection pipe The gas connection sets can be used if the connection on the gas side is made at the back of the boiler. For information on the pressure drop, see the technical guides.									
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1 ■ Thermally activated shut-off equipment R 1	ZK05442 **324,–**		–						Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ to Rp 1¼	–		ZK05443 **669,–**		ZK05444 **683,–**	–			Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½	–					ZK05445 **675,–**	ZK05446 **691,–**	–	Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment R 2	–							ZK05447 **868,–**	Part no. **Euro**
Accessory sets without gas connection pipe The accessory sets must be used if the connection on the gas side is made on the left or right. The gas connection pipe must be provided on site.									
Corrugated pipe adaptor For on-site connection without gas connection pipe.	7720283 **65,–**		–						Part no. **Euro**
Corrugated pipe adaptor (90° bend) For on-site connection without gas connection pipe.	–		7720281 **73,–**						Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1 ■ Thermally activated shut-off equipment R 1	ZK05448 **101,–**		–						Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ x Rp 1¼	–		ZK05449 **397,–**			–			Part no. **Euro**

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12.1

Accessories

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½	–					ZK05451 **389,–**		–	Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment Rp 2	–							ZK05452 **566,–**	Part no. **Euro**

Neutralising systems		MG W
Neutralising system ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (8 kg)	7441823 **356,–**	Part no. **Euro**
Overflow alarm switch	7453157 **298,–**	Part no. **Euro**
Alarm delay (adjustable)	7514684 **678,–**	Part no. **Euro**

Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG W
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**	Part no. **Euro** MG N
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz	7814681 **199,–**	Part no. **Euro**
Mixers		
Heating mixers and special heating mixers for underfloor heating systems ►*For versions, part numbers and prices, see Register 11.7*		
Sensors		MG W
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z024247 **266,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 80 to 160 kW	7968548 **24,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 200 to 320 kW	7968549 **24,–**	Part no. **Euro**

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12.1

Accessories

Twin boiler (2 pce required in each case)	Rated boiler heating output (kW)						MG W
	240	320	400	480	560	636	
Safety valve connection	R 1¼						
Safety equipment block ■ With safety valve (3 bar), pressure gauge and air vent valve ■ Incl. thermal insulation ■ With elbow	ZK06065 **258,–**			–			Part no. **Euro**
Diaphragm safety valve 3 bar ■ With 3 bar safety valve ■ With elbow	ZK06066 **122,–**		ZK06067 **159,–**				Part no. **Euro**
Input	G 1		G 1¼				
Output	G 1¼		G 1½				
Diaphragm safety valve 4 bar ■ With 4 bar safety valve ■ With elbow	ZK6068 **96,–**		ZK06069 **296,–**				Part no. **Euro**
Input	G 1		G 1¼				
Output	G 1¼		G 1½				
Diaphragm safety valve 6 bar ■ With 6 bar safety valve ■ With elbow	ZK06070 **113,–**						Part no. **Euro**
Input	G 1						
Output	G 1¼						

Burner	Rated boiler heating output (kW)						MG W
	240	320	400	480	560	636	
Accessories for room sealed operation *(2 pce must be added to the order.)*	ZK03153 **649,–**		ZK03154 **637,–**				Part no. **Euro**
Accessories for open flue operation Extension for combustion air intake for smoothing the air flow. *Must be added to the order for open flue operation.* *(2 pce must be added to the order.)*	**–**		ZK03279 **163,–**				Part no. **Euro**
Gas connection sets with gas connection pipe The gas connection sets can be used if the connection on the gas side is made at the back of the boiler. For information on the pressure drop, see the technical guides.							
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ to Rp 1¼ *(2 pce must be added to the order.)*	ZK05443 **669,–**		ZK05444 **683,–**	–			Part no. **Euro**

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Accessories

Burner	Rated boiler heating output (kW)						MG W
	240	320	400	480	560	636	
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½ *(2 pce must be added to the order.)*	–			ZK05445 **675,–**	ZK05446 **691,–**	–	Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment R 2 *(2 pce must be added to the order.)*	–					ZK05447 **868,–**	Part no. **Euro**
Accessory sets without gas connection pipe The accessory sets must be used if the connection on the gas side is made on the left or right. The gas connection pipe must be provided on site.							
Corrugated pipe adaptor (90° bend) For on-site connection without gas connection pipe.	7720281 **73,–**						Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ x Rp 1¼ *(2 pce must be added to the order.)*	ZK05449 **397,–**			–			Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½ *(2 pce must be added to the order.)*	–			ZK05451 **389,–**		–	Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment Rp 2 *(2 pce must be added to the order.)*	–					ZK05452 **566,–**	Part no. **Euro**

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Accessories

Neutralising systems		MG W
Neutralising system ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (8 kg)	7441823 **356,–**	Part no. **Euro**
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (25 kg)	7437829 **997,–**	Part no. **Euro**
Overflow alarm switch	7453157 **298,–**	Part no. **Euro**
Alarm delay (adjustable)	7514684 **678,–**	Part no. **Euro**

Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load) *If the condensate removal pump is used in conjunction with a twin boiler, the pressure hose must not be more than 4.5 m long.*	ZK02486 **254,–**	Part no. **Euro**

Miscellaneous		MG W
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**	Part no. **Euro**
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz	7814681 **199,–**	Part no. **Euro**

Mixers		
Heating mixers and special heating mixers for underfloor heating systems ►*For versions, part numbers and prices, see Register 11.7*		

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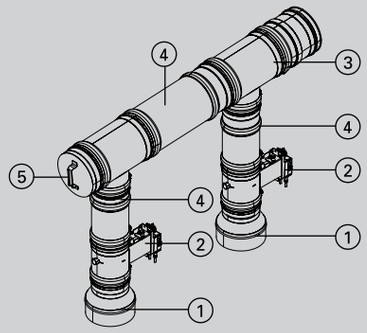
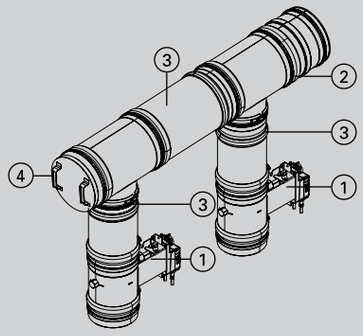
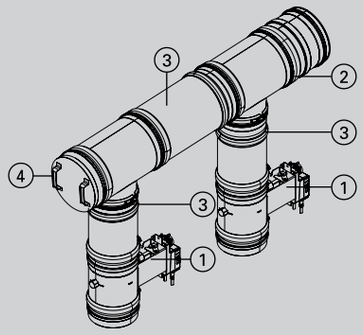
Accessories

Boiler

		MG W
Mating flange (1 pce) DN 80 PN 6 for heating flow and return *A mating flange must be added to the order for each connection.*	ZK04591 **51,–**	Part no. **Euro**
Mating flange (1 pce) DN 100 PN 6 for heating flow and return *A mating flange must be added to the order for each connection.*	ZK04592 **94,–**	Part no. **Euro**

System diagram

			MG W
Flue gas header for twin boilers, made from stainless steel For twin boilers with 240 and 320 kW Flue gas connection Ø 150/200 mm (with reducer Ø 200/150 mm) ■ Reducer ① ■ Sealing motorised flue gas damper ② ■ Flue gas header with condensate drain ③ ■ Extension compensator ④ ■ Inspection cover ⑤ ■ Pressure switch connection set		ZK02859 **3.751,–**	Part no. **Euro**
Flue gas header for twin boilers, made from stainless steel For twin boilers with 400 and 480 kW Flue gas connection Ø 200/250 mm ■ Sealing motorised flue gas damper ① ■ Flue gas header with condensate drain ② ■ Extension compensator ③ ■ Inspection cover ④ ■ Pressure switch connection set		ZK02860 **4.312,–**	Part no. **Euro**
Flue gas header for twin boilers, made from stainless steel For twin boilers with 560 and 636 kW Flue gas connection Ø 200/300 mm ■ Sealing motorised flue gas damper ① ■ Flue gas header with condensate drain ② ■ Extension compensator ③ ■ Inspection cover ④ ■ Pressure switch connection set		ZK02861 **4.690,–**	Part no. **Euro**

Accessories		
Pressure switch		MG W
Pressure switch connection set For boilers with 240 and 320 kW 2 air pressure switches and connection material *Must be added to the order to operate a twin boiler or a multi boiler system with 2 boilers that have the same output and a common flue gas header installed on site.*	ZK04301 **316,–**	Part no. **Euro**
Pressure switch connection set For boilers with 400 to 636 kW 2 air pressure switches and connection material *Must be added to the order to operate a twin boiler or a multi boiler system with 2 boilers that have the same output and a common flue gas header installed on site.*	ZK04302 **316,–**	Part no. **Euro**
Flue gas dampers		MG W
Flue gas damper DN 150 Sealing motorised flue gas damper. *For boilers with 120 or 160 kW.* If the on-site flue gas header is operated under positive pressure, flue gas dampers **must** be added to the order. *(2 pce must be added to the order.)*	ZK03193 **956,–**	Part no. **Euro**
Flue gas damper DN 200 Sealing motorised flue gas damper. *For boilers with 200 to 318 kW.* If the on-site flue gas header is operated under positive pressure, flue gas dampers **must** be added to the order. *(2 pce must be added to the order.)*	ZK03194 **1.045,–**	Part no. **Euro**
Sensors		MG W
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z024247 **266,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 80 to 160 kW	7968548 **24,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 200 to 320 kW	7968549 **24,–**	Part no. **Euro**

Accessories

Boiler	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Safety valve connection	R 1¼								
Safety equipment block ■ With safety valve (3 bar), pressure gauge and air vent valve ■ Incl. thermal insulation ■ With elbow	ZK06065 **258,–**					-			Part no. **Euro**
Diaphragm safety valve 3 bar ■ With 3 bar safety valve ■ With elbow	ZK06066 **122,–**				ZK06067 **159,–**				Part no. **Euro**
Input	G 1				G 1¼				
Output	G 1¼				G 1½				
Diaphragm safety valve 4 bar ■ With 4 bar safety valve ■ With elbow	ZK06068 **102,–**				ZK06069 **296,–**				Part no. **Euro**
Input	G 1				G 1¼				
Output	G 1¼				G 1½				
Diaphragm safety valve 6 bar ■ With 6 bar safety valve ■ With elbow	ZK06070 **113,–**								Part no. **Euro**
Input	G 1								
Output	G 1¼								
Mating flange (1 pce) With screws and gasket *A mating flange must be added to the order for each connection.*									
For heating flow and return DN 50 PN 6	ZK04589 **39,–**				-				Part no. **Euro**
For heating flow and return DN 65 PN 6	-				ZK04590 **61,–**				Part no. **Euro**

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Accessories for room sealed operation *(One pce per boiler must be added to the order.)*	ZK03152 **404,–**		ZK03153 **649,–**		ZK03154 **637,–**				Part no. **Euro**
Accessories for open flue operation Extension for combustion air intake for smoothing the air flow. *Must be added to the order for open flue operation.* *(One pce per boiler must be added to the order.)*	**–**				ZK03279 **163,–**				Part no. **Euro**

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Accessories

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Gas connection sets with gas connection pipe The gas connection sets can be used if the connection on the gas side is made at the back of the boiler. For information on the pressure drop, see the technical guides.									
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1 ■ Thermally activated shut-off equipment R 1 *(Set for one boiler)*	ZK05442 **324,–**		–						Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ to Rp 1¼ *(Set for one boiler)*	–		ZK05443 **669,–**		ZK05444 **683,–**	–			Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½ *(Set for one boiler)*	–					ZK05445 **675,–**	ZK05446 **691,–**	–	Part no. **Euro**
Gas connection set For gas-side connection of the boiler at the back. ■ Gas connection pipe ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment R 2 *(Set for one boiler)*	–							ZK05447 **868,–**	Part no. **Euro**
Accessory sets without gas connection pipe The accessory sets must be used if the connection on the gas side is made on the left or right. The gas connection pipe must be provided on site.									
Corrugated pipe adaptor For on-site connection without gas connection pipe.	7720283 **65,–**								Part no. **Euro**
Corrugated pipe adaptor (90° bend) For on-site connection without gas connection pipe.			7720281 **73,–**						Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1 ■ Thermally activated shut-off equipment R 1 *(Set for one boiler)*	ZK05448 **101,–**		–						Part no. **Euro**

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Accessories

Burner	Rated boiler heating output (kW)								MG W
	75	80	120	160	200	240	280	318	
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1¼ ■ Reducer R 1½ x Rp 1¼ *(Set for one boiler)*	–		ZK05449 **397,–**			–			Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Thermally activated shut-off equipment R 1½ *(Set for one boiler)*	–					ZK05451 **389,–**		–	Part no. **Euro**
Accessory set for on-site gas connection (without gas connection pipe) ■ Gas ball valve R 1½ ■ Reducer Rp 2 to R 1½ ■ Thermally activated shut-off equipment Rp 2 *(Set for one boiler)*	–							ZK05452 **566,–**	Part no. **Euro**

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12.1

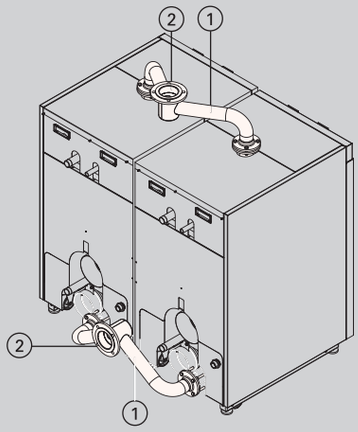
Accessories

Hydraulic system pipework

MG W

Hydraulic system pipework
For two-boiler systems with 240 or 320 kW, with 2 boilers side by side, each with 120 or 160 kW
Nominal diameter DN 50/80
- Flow and return header ①
- Motorised butterfly valves (2 pce) ②
- Connection flange with gaskets ③

Standard delivery of the hydraulic system pipework

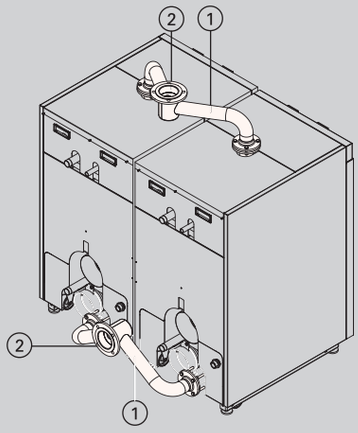


ZK02862
3.202,–

Part no.
Euro

Hydraulic system pipework
For two-boiler systems with 400, 480, 560 or 636 kW, with 2 boilers side by side, each with 200, 240, 280 or 318 kW
Nominal diameter DN 65/100
- Flow and return header ①
- Motorised butterfly valves (2 pce) ②
- Connection flange with gaskets ③

Standard delivery of the hydraulic system pipework

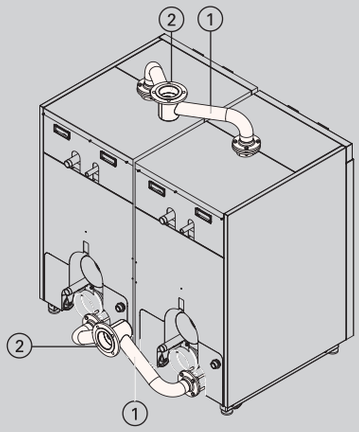


ZK02863
3.380,–

Part no.
Euro

Hydraulic system pipework (without shut-off dampers)
For two-boiler systems with 240 or 320 kW, with 2 boilers side by side, each with 120 or 160 kW
Nominal diameter DN 50/80
- Flow and return header ①
- Connection flange with gaskets ②

Standard delivery of the hydraulic system pipework



ZK03280
902,–

Part no.
Euro

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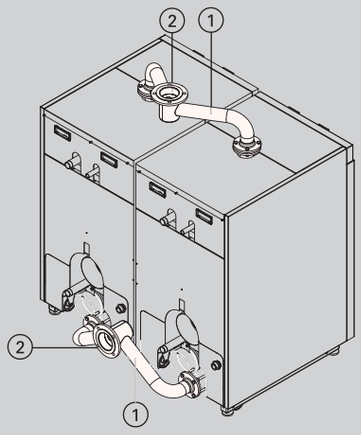
12.1

Accessories

Hydraulic system pipework

		MG W
Hydraulic system pipework (without shut-off dampers) For two-boiler systems with 400, 480, 560 or 636 kW, with 2 boilers side by side, each with 200, 240, 280 or 318 kW Nominal diameter DN 65/100 ■ Flow and return header ① ■ Connection flange with gaskets ② Standard delivery of the hydraulic system pipework 	ZK03281 **1.036,–**	Part no. **Euro**
Motorised butterfly valve (DN 50, 1 pce) ■ Butterfly valve DN 50 PN 6 ■ Installation kit ■ Control open/closed, spring-loaded	ZK04733 **1.150,–**	Part no. **Euro**
Motorised butterfly valve (DN 65, 1 pce) ■ Butterfly valve DN 65 PN 6 ■ Installation kit ■ Control open/closed, spring-loaded	ZK04734 **1.172,–**	Part no. **Euro**

Boiler

		MG W
Mating flange (1 pce) DN 80 PN 6 for heating flow and return *A mating flange must be added to the order for each connection.*	ZK04591 **51,–**	Part no. **Euro**
Mating flange (1 pce) DN 100 PN 6 for heating flow and return *A mating flange must be added to the order for each connection.*	ZK04592 **94,–**	Part no. **Euro**

Flue gas dampers

		MG W
Flue gas damper DN 150 Sealing motorised flue gas damper. *For boilers with 120 or 160 kW.* If the on-site flue gas header is operated under positive pressure, flue gas dampers **must** be added to the order.	ZK03193 **956,–**	Part no. **Euro**
Flue gas damper DN 200 Sealing motorised flue gas damper. *For boilers with 200 to 318 kW.* If the on-site flue gas header is operated under positive pressure, flue gas dampers **must** be added to the order.	ZK03194 **1.045,–**	Part no. **Euro**

Accessories		
Pressure switch		MG W
Pressure switch connection set For 240 and 320 kW 2 air pressure switches and connection material *Must be added to the order to operate a twin boiler or a multi boiler system with 2 boilers that have the same output and a common flue gas header installed on site.*	ZK04301 **316,–**	Part no. **Euro**
Pressure switch connection set For 400 to 636 kW 2 air pressure switches and connection material *Must be added to the order to operate a twin boiler or multi boiler system with 2 boilers that have the same output and a shared flue gas header installed on site.*	ZK04302 **316,–**	Part no. **Euro**
Accessories		MG N
Relay box For multi boiler systems (up to 4 boilers) with a common flue. **Please note:** Also required for two-boiler systems consisting of Vitocrossal type CIB with different rated heating outputs, or two-boiler and multi boiler systems in conjunction with other boilers. *One pce per multi boiler system must be added to the order.*	ZK04487 **143,–**	Part no. **Euro**
Relay box connection set For boilers with 80 to 160 kW. For connecting the relay box to the boiler. ■ Connecting cables ■ Pressure switch *One per Vitocrossal, type CIB must be added to the order.*	ZK04488 **111,–**	Part no. **Euro**
Relay box connection set For boilers with 200 to 318 kW. For connecting the relay box to the boiler. ■ Connecting cables ■ Pressure switch *One per Vitocrossal, type CIB must be added to the order.*	ZK04489 **111,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (8 kg)	7441823 **356,–**	Part no. **Euro**
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (25 kg)	7437829 **997,–**	Part no. **Euro**
Overflow alarm switch	7453157 **298,–**	Part no. **Euro**
Alarm delay (adjustable)	7514684 **678,–**	Part no. **Euro**

12.1

Accessories		
Condensate removal pumps		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load)	ZK02486 **254,–**	Part no. **Euro**
Miscellaneous		
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**	Part no. **Euro** MG N
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz	7814681 **199,–**	Part no. **Euro** MG W
Mixers		
Heating mixers and special heating mixers for underfloor heating systems ►*For versions, part numbers and prices, see Register 11.7*		

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Accessories

Sensors

		MG W
Cylinder temperature sensor To capture the DHW temperature (3.75 m long).	7179114 **110,–**	Part no. **Euro**
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z024247 **266,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 80 to 160 kW	7968548 **24,–**	Part no. **Euro**
Cable set, CO limiter For boilers with 200 to 320 kW	7968549 **24,–**	Part no. **Euro**

Communication technology

		MG W
Terminators (2 pce) To terminate the system bus, use a terminator on each unconnected end.	7143497 **10,50**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug 	ZK02940 **652,–**	Part no. **Euro**
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for mixer motor to be ordered **separately** ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug 	ZK02941 **428,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:

►Register 11, Connectivity and Home & Building Automation (Vitogate, Vitocom, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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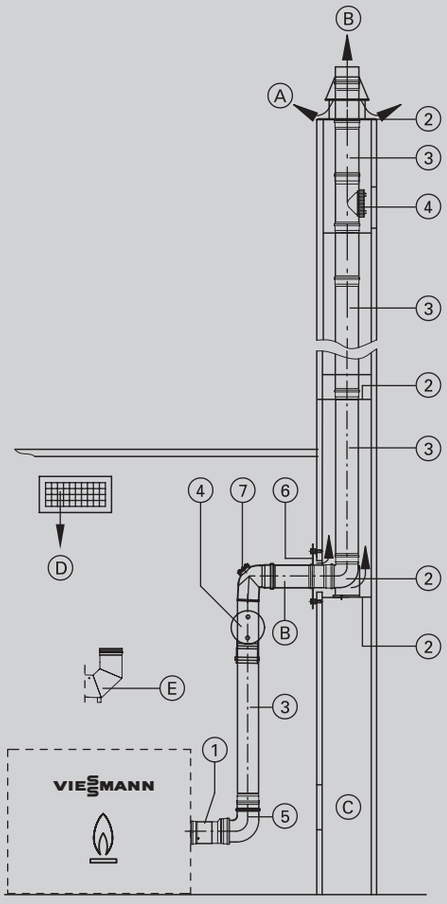
Flue system
For open flue operation
CE approval to EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).

For **open flue** operation, an intermediate flue pipe is required between the condensing boiler and the shaft, as well as for routing through the shaft (type B_{23} to TRGI 2008).
A boiler flue connection must be added to the order for the connection to the boiler.



Ⓐ Secondary ventilation
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Ventilation air/ventilation air vent
Ⓔ Bend/boiler flue connection Vitocrossal 200, type CIB

	System size	110	125	Ø mm
①	For a matching **boiler flue connection**, see the tables at the back of the price sheet. Included in standard delivery for Vitocrossal 200, type CIB (90° bend).			
	Reducer Ø 125 mm to Ø 110 mm	7173007 **90,–**	–	Part no. **Euro**
	Reducer Ø 160 mm to Ø 110 mm	7338187 **130,–**	–	Part no. **Euro**
	Reducer Ø 160 mm to Ø 125 mm	–	7516987 **87,–**	Part no. **Euro**
	Reducer Ø 200 mm to Ø 125 mm	–	ZK04559 **131,–**	Part no. **Euro**
②	**Standard shaft pack** (PPs, rigid) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7247534 **174,–**	7180236 **340,–**	Part no. **Euro**
	Spacers (3 pce)	7339873 **25,–**	7167172 **40,–**	Part no. **Euro**
③	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7247554 **102,–**	–	Part no. **Euro**
	Pipe 2 m long (2 pce @ 2 m = 4 m)	–	7516574 **218,–**	Part no. **Euro**
	Pipe 1.95 m long	7247555 **63,–**	–	Part no. **Euro**
	Pipe 2 m long	–	7516577 **120,–**	Part no. **Euro**
	Pipe 1 m long	7247556 **42,–**	7516580 **72,–**	Part no. **Euro**
	Pipe 0.5 m long	7247557 **37,–**	7516583 **46,–**	Part no. **Euro**
④	**Inspection piece** Straight	7247558 **46,–**	7516589 **131,–**	Part no. **Euro**
⑤	**Bend** 87°	7247560 **23,–**	7516592 **54,–**	Part no. **Euro**
	Bend 45° (2 pce)	7247561 **36,–**	7516595 **93,–**	Part no. **Euro**
	Bend 30° (2 pce)	7247562 **36,–**	7516611 **91,–**	Part no. **Euro**
	Bend 15° (2 pce)	7247563 **36,–**	7516614 **91,–**	Part no. **Euro**
⑥	**Ventilation bezel**	7516597 **83,–**	7516598 **123,–**	Part no. **Euro**

Flue system

For Vitocrossal with 80 to 636 kW
Made from plastic (PPs)

Flue system For open flue operation CE approval to EN 14471			MG WZ
System size	110	125	Ø mm
⑦ **87° inspection bend**	7247559 **68,–**	7149966 **182,–**	Part no. **Euro**

Max. total flue length up to the boiler flue connection								
Vitocrossal CIB — single boiler system								
Rated heating output	80	120	160	200	240	280	318	kW
Max. total length								
■ System size 110	30	14	—	—	—	—	—	m
■ System size 125	30	30	18	8	—	—	—	m
■ System size 160	—	—	30	30	30	8	—	m
■ System size 200	—	—	—	—	30	30	30	m

Please note:
- Allowance has been made for: length of the connection piece 2 m, three 87° bends (incl. support bend) and Ø of the connection piece to match flue pipe system size.
- The appliances may be connected to **balanced flue chimneys or moisture-resistant chimneys to** DIN EN 13384, if the chimney manufacturer can verify their suitability based on the specified flue gas values, considering local conditions (e.g. heating water return temperature, type of connection piece, etc.).
- For **room sealed** operation with parallel flue gas/ventilation air routing, the same components are used for ventilation air as for flue gas routing.
- System size 110 mm may only be used for **open flue** operation.
- Flue pipes with total length >30 m available on request

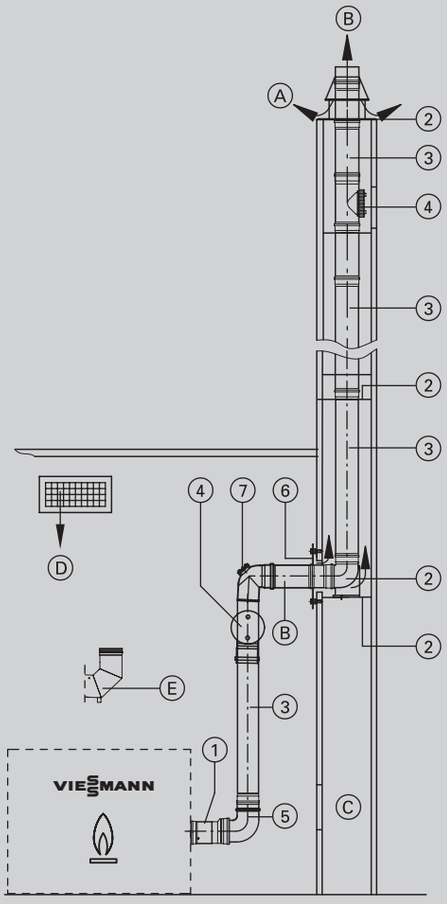
Note on twin boiler systems:
- For twin/two-boiler systems, a flue gas header can be used; see price sheet for the boiler.
- The system size of the continuing flue system must be Ø 200 mm, Ø 250 mm or Ø 300 mm. For the max. total flue pipe length, see the technical guides.

Flue system
For open flue operation
CE approval to EN 14471

MG WZ

For routing through longitudinally ventilated shafts or ducts that meet one of the following requirements:
- Domestic chimneys to DIN 18160-1.
- Fire rating of 90 minutes (F90/L90).

For **open flue** operation, an intermediate flue pipe is required between the condensing boiler and the shaft, as well as for routing through the shaft (type B_{23} to TRGI 2008).
A boiler flue connection must be added to the order for the connection to the boiler.



Ⓐ Secondary ventilation
Ⓑ Flue gas
Ⓒ Inspection port
Ⓓ Ventilation air/ventilation air vent
Ⓔ Bend/boiler flue connection Vitocrossal 200, type CIB

	System size	160	200	250	Ø mm
①	For a matching **boiler flue connection**, see the tables at the back of the price sheet. Included in standard delivery for Vitocrossal 200, type CIB (90° bend).				
	Reducer Ø 160 mm to Ø 125 mm	7516987 **87,–**		–	Part no. **Euro**
	Reducer Ø 200 mm to Ø 160 mm	7173365 **164,–**		–	Part no. **Euro**
	Extension Ø 160 mm to Ø 200 mm	7151838 **127,–**		–	Part no. **Euro**
②	**Standard shaft pack** (PPs, rigid) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7180237 **392,–**	7180258 **580,–**	7452860 **1.578,–**	Part no. **Euro**
	Spacers (3 pce)	7167173 **40,–**	7339810 **124,–**	7452861 **162,–**	Part no. **Euro**
③	**Pipe** 2 m long (2 pce @ 2 m = 4 m)	7516575 **310,–**		–	Part no. **Euro**
	Pipe 2 m long	7516578 **154,–**	7339803 **231,–**	7452862 **424,–**	Part no. **Euro**
	Pipe 1 m long	7516581 **93,–**	7339802 **154,–**	7452863 **268,–**	Part no. **Euro**
	Pipe 0.5 m long	7516584 **61,–**	7339801 **123,–**	7452864 **188,–**	Part no. **Euro**
④	**Inspection piece** Straight	7516590 **243,–**	7339808 **266,–**	ZK02572 **400,–**	Part no. **Euro**
⑤	**Bend** 87°	7516593 **73,–**	7339807 **268,–**	7452866 **432,–**	Part no. **Euro**
	Bend 45° (2 pce)	7516596 **130,–**	7339806 **422,–**	7452867 **669,–**	Part no. **Euro**
	Bend 30° (2 pce)	7516612 **120,–**	7339805 **405,–**	–	Part no. **Euro**
	Bend 15° (2 pce)	7516615 **120,–**	7339804 **405,–**	–	Part no. **Euro**
⑥	**Ventilation bezel**	7516599 **154,–**	7339811 **184,–**	7452868 **131,–**	Part no. **Euro**
⑦	**87° inspection bend**	7149967 **229,–**	7339809 **383,–**	ZK02574 **622,–**	Part no. **Euro**

Flue system

For Vitocrossal with 80 to 636 kW
Made from plastic (PPs)
System size Ø 160, 200 and 250 mm

Flue system **For open flue operation** **CE approval to EN 14471**							
Max. total flue length up to the boiler flue connection							
Vitocrossal 200, type CM2							
Rated heating output	400	500	620				kW
Max. total length: ■ System size 200 ■ System size 250	 – 30	 – 30	 – 30				 m m
Vitocrossal 200, type CM2C							
Rated heating output	87	115	142	186	246	311	kW
Max. total length: ■ System size 110 ■ System size 125 ■ System size 160 ■ System size 200	 16 30 – –	 – 20 30 –	 – 10 30 –	 – – 30 –	 – – 10 30	 – – – 30	 m m m m

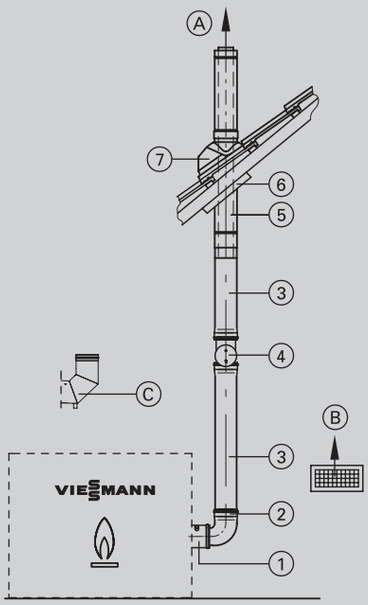
Please note:
- Max. lengths for installation at 50 m above sea level; for installation at substantially higher altitudes, shorter lengths or output losses apply
- Allowance has been made for: length of the connection piece 2 m, three 87° bends (incl. support bend) and Ø of the connection piece to match flue pipe system size.
- The appliances may be connected to **balanced flue chimneys or moisture-resistant chimneys to** DIN EN 13384, if the chimney manufacturer can verify their suitability based on the specified flue gas values, considering local conditions (e.g. heating water return temperature, type of connection piece, etc.).
- **Room sealed** operation with parallel flue gas/ventilation air routing is possible with the same components as for the ventilation air routing.
- Flue pipes with total length >30 m available on request

►For a flue system for connection to the flue gas header, see the Vitoset Pricelist.

Flue system
For open flue operation
CE approval to EN 14471

MG WZ

For vertical roof outlets when the boiler is installed in the roof space



Ⓐ Flue gas
Ⓑ Ventilation air/ventilation air aperture
Ⓒ Bend/boiler flue connection Vitocrossal 200, type CIB

	System size	110	125	Ø mm
①	For a matching **boiler flue connection**, see the tables at the back of the price sheet. Included in standard delivery for Vitocrossal 200, type CIB (90° bend).			
	Reducer Ø 160 mm to Ø 110 mm	7338187 **130,–**	–	Part no. **Euro**
	Reducer Ø 160 mm to Ø 125 mm	–	7516987 **87,–**	Part no. **Euro**
	Reducer Ø 200 mm to Ø 125 mm	–	ZK04559 **131,–**	Part no. **Euro**
	Reducer Ø 200 mm to Ø 160 mm	7173365 **164,–**		Part no. **Euro**
	Reducer Ø 125 mm to Ø 110 mm	7173007 **90,–**	–	Part no. **Euro**
②	**Bend** 87°	7247560 **23,–**	7516592 **54,–**	Part no. **Euro**
	Bend 45° (2 pce)	7247561 **36,–**	7516595 **93,–**	Part no. **Euro**
③	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7247554 **102,–**	–	Part no. **Euro**
	Pipe 2 m long (2 pce @ 2 m = 4 m)	–	7516574 **218,–**	Part no. **Euro**
	Pipe 1.95 m long	7247555 **63,–**	–	Part no. **Euro**
	Pipe 2 m long	–	7516577 **120,–**	Part no. **Euro**
	Pipe 1 m long	7247556 **42,–**	7516580 **72,–**	Part no. **Euro**
	Pipe 0.5 m long	7247557 **37,–**	7516583 **46,–**	Part no. **Euro**
④	**Inspection piece** Straight	7247558 **46,–**	7516589 **131,–**	Part no. **Euro**
⑤	**Balanced flue roof outlet** Colour: **black**. With fixing clamp	7373249 **276,–**	–	Part no. **Euro**
⑥	**Universal cover plate**	ZK02891 **61,–**	–	Part no. **Euro**

Flue system

For Vitocrossal with 80 to 636 kW
Made from plastic (PPs)
System size Ø 110 and 125 mm

Flue system For open flue operation CE approval to EN 14471			MG WZ
System size	110	125	Ø mm
⑦ **Universal roof tile** For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **black**.	7452501 **102,–**		Part no. **Euro**
Universal roof tile For Roman tiles, standard roof tiles, plain tiles, slate and other types of roof cover. Colour: **terracotta**	7452502 **102,–**		Part no. **Euro**
or			
⑦ **Flat roof collar**	7426529 **58,–**		Part no. **Euro**

If the total length of the flue pipe exceeds 5 m, the flue system **must** be constructed free of load and torque stress; support is required.
Roof outlets for system size Ø 160 or 200 mm on request

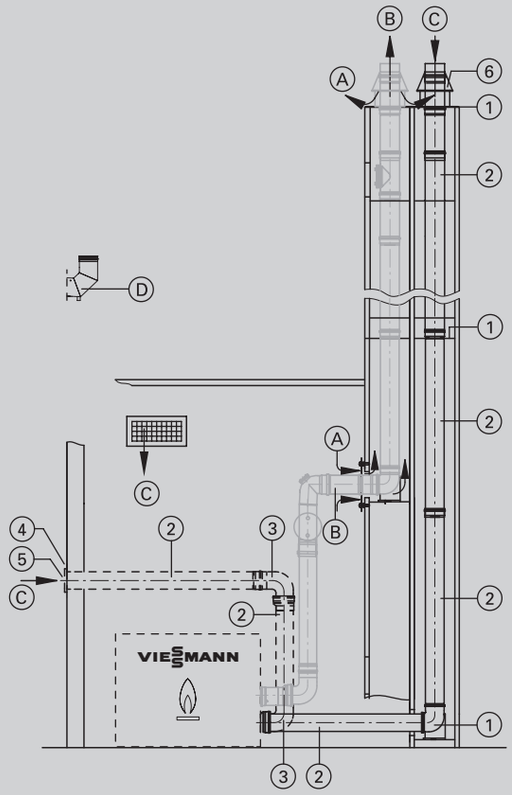
Please note:

- The appliances may be connected to **balanced flue chimneys or moisture-resistant chimneys to** DIN EN 13384 if the chimney manufacturer can verify their suitability based on the specified flue gas values, considering local conditions (e.g. heating water return temperature, type of connection piece, etc.).
- **Room sealed** operation with parallel flue gas/ventilation air routing is possible with the same components as for the ventilation air routing.
- Flue pipes with total length >30 m available on request

Ventilation air system

For room sealed operation and parallel ventilation air and flue gas routing
System size Ø 110, 125, 160 and 200 mm

MG WZ



Ⓐ Secondary ventilation
Ⓑ Flue gas (for components, see page 12.4.1)
Ⓒ Ventilation air/ventilation air aperture
Ⓓ Bend/boiler flue connection Vitocrossal 200, type CIB

	System size	110	125	160	200	Ø mm
①	**Standard shaft pack** (PPs, rigid) ■ Support bend ■ Support rail ■ Shaft cover (PPs) ■ Spacers (5 pce)	7247534 **174,–**	7180236 **340,–**	7180237 **392,–**	7180258 **580,–**	Part no. **Euro**
	Spacers (3 pce)	7339873 **25,–**	7167172 **40,–**	7167173 **40,–**	7339810 **124,–**	Part no. **Euro**
②	**Pipe** 1.95 m long (2 pce @ 1.95 m = 3.9 m)	7247554 **102,–**		**–**		Part no. **Euro**
	Pipe 2 m long (2 pce @ 2 m = 4 m)	**–**	7516574 **218,–**	7516575 **310,–**	**–**	Part no. **Euro**
	Pipe 1.95 m long	7247555 **63,–**		**–**		Part no. **Euro**
	Pipe 2 m long	**–**	7516577 **120,–**	7516578 **154,–**	7339803 **231,–**	Part no. **Euro**
	Pipe 1 m long	7247556 **42,–**	7516580 **72,–**	7516581 **93,–**	7339802 **154,–**	Part no. **Euro**
	Pipe 0.5 m long	7247557 **37,–**	7516583 **46,–**	7516584 **61,–**	7339801 **123,–**	Part no. **Euro**
③	**Bend** 87°	7247560 **23,–**	7516592 **54,–**	7516593 **73,–**	7339807 **268,–**	Part no. **Euro**
	Bend 45° (2 pce)	7247561 **36,–**	7516595 **93,–**	7516596 **130,–**	7339806 **422,–**	Part no. **Euro**
	Bend 30° (2 pce)		**–**	7516612 **120,–**	7339805 **405,–**	Part no. **Euro**
	Bend 15° (2 pce)		**–**	7516615 **120,–**	7339804 **405,–**	Part no. **Euro**
④	**Ventilation bezel**	7516597 **83,–**	**–**	7516599 **154,–**	7339811 **184,–**	Part no. **Euro**
⑤	**Ventilation air damper**	7176657 **13,90**	**–**	7373402 **35,–**	**–**	Part no. **Euro**
⑥	**Cowl**		**–**	7435859 **71,–**	**–**	Part no. **Euro**
	Double socket pipe coupler Ø 160/160 mm Plastic (PPs)		**–**	ZK04556 **60,–**	**–**	Part no. **Euro**
	Double socket pipe coupler Ø 200/200 mm Plastic (PPs)		**–**		ZK04557 **145,–**	Part no. **Euro**

Flue system

For Vitocrossal with 80 to 636 kW
Made from plastic (PPs)

Ventilation air system **For room sealed operation and parallel ventilation air and flue gas routing** **System size Ø 110, 125, 160 and 200 mm**	System size	110	125	160	200	MG WZ Ø mm
	Inspection piece Straight	7247558 **46,–**	7516589 **131,–**	7516590 **243,–**	7339808 **266,–**	Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 80 mm to Ø 110 mm	7373248 **29,–**		**–**		Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 110 mm to Ø 125 mm	7180209 **72,–**		**–**		Part no. **Euro**
	Adaptor For expanding the cross-section from Ø 125 mm to Ø 160 mm	**–**	7151836 **92,–**		**–**	Part no. **Euro**
	Fixing clamp, white	ZK05947 **21,–**		**–**		Part no. **Euro**
	Fixing clamp Incl. sealing tape (1 pce)	**–**		7338257 **29,–**	**–**	Part no. **Euro**

Please note:
- The same components are used for ventilation air as for flue gas routing.
- When using the flue pipes for ventilation air routing, the roof outlets must be protected against ingress of rain.

12.4

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Overview of boiler flue connections

System pipes

MG WZ

The double socket pipe coupler and adaptor can be used in flue gas and ventilation air systems.
For the additional Ø 250 mm components downstream of the double socket pipe coupler, see the Vitoset Pricelist or alternatively these must be provided on site.

Double socket pipe coupler Ø 250/250 mm Plastic (PPs)	ZK04758 **294,–**	Part no. **Euro**
Extension Ø 200 mm to Ø 250 mm	ZK04558 **244,–**	Part no. **Euro**

Vitocrossal 200, type CM2C

MG WZ

Vitocrossal		Boiler flue connection and adaptor (if required)	System size				
Rated heating output	Flue gas connection		125	160	200	250	Ø mm
■ 87 kW	Ø 160 mm	Ø 160 mm to Ø 160 mm	7194891 **56,–**	–	–	–	Part no. **Euro**
		Reducer Ø 160 mm to Ø 125 mm	7516987 **87,–**	–	–	–	Part no. **Euro**
■ 115 to 142 kW	Ø 160 mm	Ø 160 mm to Ø 160 mm	7194891 **56,–**	7194891 **56,–**	–	–	Part no. **Euro**
		Reducer Ø 160 mm to Ø 125 mm	7516987 **87,–**	–	–	–	Part no. **Euro**
■ 186 kW	Ø 200 mm	Ø 200 mm to Ø 160 mm	–	7341021 **180,–**	–	–	Part no. **Euro**
■ 246 kW	Ø 200 mm	Ø 200 mm to Ø 160 mm	–	7341021 **180,–**	–	–	Part no. **Euro**
		Ø 200 mm to Ø 200 mm	–	–	7196047 **186,–**	–	Part no. **Euro**
■ 311 kW	Ø 200 mm	Ø 200 mm to Ø 200 mm	–	–	7196047 **186,–**	–	Part no. **Euro**

Vitocrossal 200, type CM2

MG WZ

Vitocrossal		Boiler flue connection	System size				
Rated heating output	Flue gas connection		125	160	200	250	Ø mm
■ 400 kW	Ø 250 mm	Ø 250 mm to Ø 200 mm	–	–	7339838 **253,–**	–	Part no. **Euro**
		Ø 250 mm to Ø 250 mm	–	–	–	7457216 **286,–**	Part no. **Euro**
■ 500 and 620 kW	Ø 250 mm	Ø 250 mm to Ø 250 mm	–	–	–	7457216 **286,–**	Part no. **Euro**

Vitocrossal 300

Type CR3B

Gas condensing boiler for natural gas E, LL and LPG

- With **2** return connectors
- Delivered in **sections**.

Permissible operating temperature up to 95 °C
Permissible safety temperature up to 110 °C

Permissible operating pressure 6 bar (0.6 MPa)

CE designation: CE-0085AU0315

- Standard seasonal efficiency [to DIN]: up to 98 % (H_s) [gross cv]
- High operational reliability and a long service life through corrosion-resistant Inox-Crossal heat exchanger made from stainless steel
- Inox-Crossal heat exchanger for highly effective heat transfer and condensation rate
- Self-cleaning effect due to smooth stainless steel surface
- Clean combustion through low combustion chamber loading and straight-through design
- Alternatively with ELCO or Weishaupt pressure-jet gas burner
- Split design for easy handling
- 2 return connectors for hydraulic connection optimised for condensing technology
- Easy to use Vitotronic control unit with colour touchscreen
- Integral WiFi for service interface
- Economical and safe operation of the heating system through the Vitotronic control system with communication capability – enables integration into building management systems in conjunction with Vitogate 300 (accessory)
- Vitocontrol control cabinet available on request

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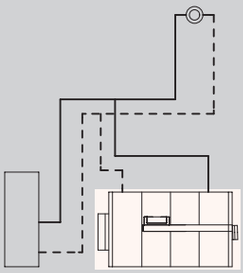
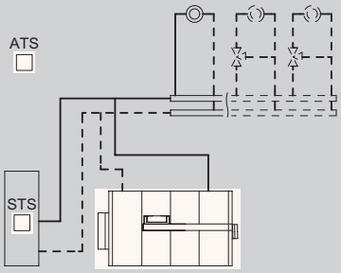
VITOCROSSAL 300

Single boiler system

Heating system	Control unit
 ■ Single boiler system for operation with constant boiler water temperature	**Vitotronic 100** **Type CC1E, for constant temperature mode** ■ Top-mounted boiler control unit ■ For 2-stage or modulating burner ■ With cylinder temperature controller According to the GEG (German Buildings Energy Act), a weather-compensated or room temperature-dependent control unit with time program for reduced mode must be installed downstream; see Register 11.2. For single boiler systems, order the cylinder temperature sensor separately: **Immersion temperature sensor (NTC 10 kOhm)** Part no. 7544848 **Euro 110,– MG W**
 ■ Single boiler system for operation with modulating boiler water temperature or ■ Single boiler system and 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type CO1E, for weather-compensated mode** ■ Weather-compensated, digital boiler control unit ■ With digital time switch with individual day and seven-day program ■ For 2-stage or modulating burner ■ With adjustable time periods, set temperatures and heating programs ■ With cylinder temperature controller and sensor ■ With integral diagnostic system and additional functions ■ Capable of communicating via LON bus For the heating circuits with mixer, the extension is required for heating circuits 2 and 3 (PCB for installation in the control unit): **Extension for heating circuits 2 and 3** Part no. ZK05916 **Euro 420,– MG W** An extension is required for each **heating circuit with mixer**. **Mixer extension kit** Part no. 7441998 **Euro 460,– MG W** (For Viessmann mixers up to DN 50; for other mixer motors, see "Control unit accessories".) The LON communication module is required for communication via LON: **LON communication module with connecting cable** Part no. Z003394 **Euro 290,– MG W**

Standard delivery:

- Boiler body
- Thermal insulation
- Boiler control unit, fully wired
- Boiler door with burner plate
- Mating flanges with screws and gaskets.
- Flue collar

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.

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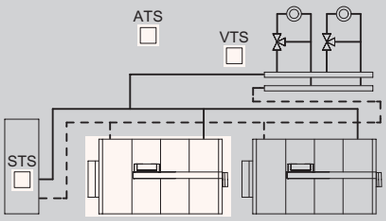
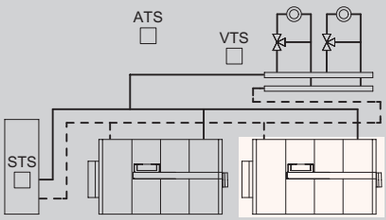
	Boiler body Burner versions	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C					MG XC
		787 720	978 895	1100 1006	1400 1280		
	In sections Boiler with door for fitting a suitable burner	CR3B061 **55.231,–**	CR3B062 **63.967,–**	CR3B063 **71.284,–**	CR3B064 **86.653,–**		Part no. **Euro**
	In sections Boiler with door for fitting a suitable burner	CR3B065 **56.179,–**	CR3B066 **64.915,–**	CR3B067 **72.232,–**	CR3B068 **87.601,–**		Part no. **Euro**
	Specification						
	Length	3021	3221	3338	3688		mm
	Width	1281	1281	1463	1463		mm
	Height	1676	1676	1676	1676		mm
	Weight	1553	1635	1980	2185		kg
	Flue gas connection	300	300	350	350		Ø mm

Please note:
For burner mounting, use the burner plate (undrilled) supplied and included in the price. Upon request, we will supply drilled burner plates for various burner makes.
The available draughts are achieved with the pressure-jet gas burners (Weishaupt and ELCO) in our product range and with many other pressure-jet gas burners.
Different available draughts should be agreed upon with the burner supplier. If using the Vitocrossal 300 with moisture-resistant chimneys, the draught must be no more than 0 Pa.

Please note:
In accordance with the information provided in the datasheet for the boiler, it is essential to consult the burner manufacturer regarding the required back pressure and the pressure in the flue system.
The flue gas damper (accessories) can be used to increase the back pressure or control resonance in the flue system. The flue gas damper should be added to the order if required.

VITOCROSSAL 300

Multi boiler system

Heating system	Control unit
 Max. 8 boilers	**Vitotronic 300** **Type CM1E, for weather-compensated mode** **With standard control equipment for multi boiler systems** ■ With integral cascade function for up to 8 boilers ■ Control of up to 2 heating circuits with mixer (included in the standard delivery) ■ Setting of operating programs, set values and time programs for central heating and DHW cylinder heating ■ With cylinder temperature controller and sensor ■ With energy cockpit, integral diagnostic system and additional functions ■ Capable of communicating via LON bus (LON communication module included in standard delivery) To terminate the system bus, a terminator must also be ordered: **Terminators (2 pce)** Part no. 7143497 **Euro 10.50 MG W**
 Max. 8 boilers	**Vitotronic 100** **Type CC1E, for weather-compensated mode** **In conjunction with the Vitotronic 300 of the multi boiler system** ■ For each additional boiler in a multi boiler system ■ Top-mounted boiler control unit ■ For 2-stage or modulating burner ■ Capable of communicating via LON bus One LON communication module **must** also be ordered for each boiler: **LON communication module with connecting cable** Part no. Z003394 **Euro 290,– MG W**

Please note – for cascade control with a CHP unit or other heat generators:
Vitocontrol, for weather-compensated cascade control of boilers with a Vitotronic 100 control unit and a Vitobloc 200 CHP unit or other heat generators on request

Standard delivery:

- Boiler body
- Thermal insulation
- Boiler control unit, fully wired
- Boiler door with burner plate
- Mating flanges with screws and gaskets.
- Flue collar

Please note:
For operating conditions and design information as regards the integration of hydraulic and control equipment, see the technical guide and datasheet.

	Boiler body Burner versions	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C					MG XC
		787 720	978 895	1100 1006	1400 1280		
	In sections Boiler with door for fitting a suitable burner	CR3B069 **59.906,–**	CR3B070 **68.642,–**	CR3B071 **75.959,–**	CR3B072 **91.328,–**		Part no. **Euro**
	In sections Boiler with door for fitting a suitable burner	CR3B061 **55.231,–**	CR3B062 **63.967,–**	CR3B063 **71.284,–**	CR3B064 **86.653,–**		Part no. **Euro**
	Specification						
	Length	3021	3221	3338	3688		mm
	Width	1281	1281	1463	1463		mm
	Height	1676	1676	1676	1676		mm
	Weight	1553	1635	1980	2185		kg
	Flue gas connection	300	300	350	350		Ø mm

Please note:
For burner mounting, use the burner plate (undrilled) supplied and included in the price. Upon request, we will supply drilled burner plates for various burner makes.
The available draughts are achieved with the pressure-jet gas burners (Weishaupt and ELCO) in our product range and with many other pressure-jet gas burners.
Different available draughts should be agreed upon with the burner supplier. If using the Vitocrossal 300 with moisture-resistant chimneys, the draught must be no more than 0 Pa.

Please note:
In accordance with the information provided in the datasheet for the boiler, it is essential to consult the burner manufacturer regarding the required back pressure and the pressure in the flue system.
The flue gas damper (accessories) can be used to increase the back pressure or control resonance in the flue system. The flue gas damper should be added to the order if required.

Accessories

Boiler Rated boiler heating output (kW)	787	978	1100	1400	
Safety connection on the boiler **For all output sizes R 2**					
Diaphragm safety valve ■ Response pressure **3 bar** ■ Connection G 2 ■ Outlet G 2½		7437801 **882,–**		**–**	Part no. **Euro** **MG W**
Diaphragm safety valve ■ Response pressure **3 bar** ■ Connection DN 50 ■ Outlet DN 80 ■ Without screws or gasket		**–**		9548183 **1.238,–**	Part no. **Euro** **MG VC**
Diaphragm safety valve ■ Response pressure **4 bar** ■ Connection G 1½ ■ Outlet G 2 *A reducer is to be provided on site.*	7437805 **770,–**	**–**			Part no. **Euro** **MG W**
Diaphragm safety valve ■ Response pressure **4 bar** ■ Connection G 2 ■ Outlet G 2½	**–**	7437802 **882,–**		**–**	Part no. **Euro** **MG W**
Diaphragm safety valve ■ Response pressure **4 bar** ■ Connection DN 50 ■ Outlet DN 80 ■ Without screws or gasket		**–**		9548193 **1.238,–**	Part no. **Euro** **MG VC**
Diaphragm safety valve ■ Response pressure **6 bar** ■ Connection G 1½ ■ Outlet G 2 *A reducer is to be provided on site.*		7437803 **797,–**		**–**	Part no. **Euro** **MG W**
Diaphragm safety valve ■ Response pressure **6 bar** ■ Connection G 2 ■ Outlet G 2½		**–**		7437804 **882,–**	Part no. **Euro** **MG W**
Adaptor G 2/DN 50 Threaded flange to EN 1092-1 *Required for diaphragm safety valves with DN 50 connection.*		**–**		7453158 **46,–**	Part no. **Euro** **MG W**

Boiler Rated boiler heating output (kW)	787	978	1100	1400	
1 set of anti-vibration boiler supports		7196321 **797,–**		7196322 **834,–**	Part no. **Euro** **MG W**
Fitting assembly with pressure gauge For mounting 2 maximum pressure limiters and one minimum pressure limiter (3 free connections)		7425839 **691,–**			Part no. **Euro** **MG W**
Minimum pressure limiter 0 to 6 bar *For use as a replacement low water indicator (*EN 12828*)*		7438030 **389,–**			Part no. **Euro** **MG W**

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Accessories

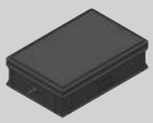
Boiler

Rated boiler heating output (kW)	787	978	1100	1400	MG W
Water level limiter ■ For use as a low water indicator ■ For installation in the heating flow outside the boiler *As a low water indicator in attic heating centres (EN 12828)*	9529050 **588,–**				Part no. **Euro**
Maximum pressure limiter 0 to 6 bar *As stipulated in EN 12828, in single and multi boiler systems each boiler > 300 kW must be equipped with a maximum pressure limiter.*	7438025 **549,–**				Part no. **Euro**
Flash trap replacement set ■ High limit temperature cut-out device (with valid component identification) ■ Sensor well G ½ × 230 mm long ■ Safety pressure limiter (maximum pressure limiter 0 to 6 bar positive pressure) (with valid component identification) *According to EN 12828, the flash trap is* **not** *required if a high limit temperature cut-out device and a safety pressure limiter (maximum pressure limiter) are installed in addition.*	Z010203 **726,–**				Part no. **Euro**

Flue gas dampers

Rated boiler heating output (kW)	787	978	1100	1400	MG W
Flue gas damper DN 300 Manual rotary damper for influencing the flow rate/back pressure *The flue gas damper can be used to increase the back pressure or control resonance in the flue system. The flue gas damper should be added to the order if required.*	ZK04712 **233,–**		**–**		Part no. **Euro**
Flue gas damper DN 350 Manual rotary damper for influencing the flow rate/back pressure *The flue gas damper can be used to increase the back pressure or control resonance in the flue system. The flue gas damper should be added to the order if required.*	**–**		ZK04713 **269,–**		Part no. **Euro**

Neutralising systems

Rated boiler heating output (kW)	787	978	1100	1400	MG W
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (25 kg) 	7437829 **997,–**				Part no. **Euro**
Neutralising system ■ For condensing boilers 500 to 1500 kW ■ With neutralising granulate (20 kg)	7968321 **905,–**				Part no. **Euro**
Overflow alarm switch	7453157 **298,–**				Part no. **Euro**
Alarm delay (adjustable)	7514684 **678,–**				Part no. **Euro**

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Accessories

Neutralising systems

Rated boiler heating output (kW)	787	978	1100	1400	MG W
Condensate removal pump For condensate from neutralising systems of gas or oil condensing boilers, for all outputs	7441770 **2.066,–**				Part no. **Euro**

Mixers

Rated boiler heating output (kW)	787	978	1100	1400	
Heating mixers and special heating mixers for underfloor heating systems ►*For versions, part numbers and prices, see Register 11.5*					

►For motorised butterfly valves (heating water side) up to DN 150 for multi boiler systems, see Vitoset Pricelist.

Miscellaneous

Rated boiler heating output (kW)	787	978	1100	1400	
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**				Part no. **Euro** MG N

Accessories

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7544848 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Extension for heating circuits 2 and 3 PCB for installation in the Vitotronic For controlling 2 heating circuits with mixer ■ With connections for mixer motors, flow temperature sensors (NTC 10 kOhm) and heating circuit pumps ■ Plug for mixer motor and heating circuit pump for each heating circuit	ZK05916 **420,–**	Part no. **Euro**
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump	7441998 **460,–**	Part no. **Euro**

Communication technology

		MG W
LON communication module with connecting cable (7 m long) – one required per Vitotronic 100 for communication with the Vitotronic 300	Z003394 **290,–**	Part no. **Euro**
Terminators (2 pce) To terminate the system bus, use a terminator on each unconnected end.	7143497 **10,50**	Part no. **Euro**

Miscellaneous

		MG W
Plug-in adaptor for external safety equipment (KM-BUS subscriber) To connect 4 additional safety devices (e.g. low water indicator, minimum and maximum pressure limiters). (Max. 2 plug-in adaptors possible for 7 safety devices.)	7164404 **349,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (Vitogate, Vitocom, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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Vitocal 300-G PRO up to 60 °C with heat pump control unit Vitotronic 200, type WO1C	– Brine/water heat pump, with two-stage scroll compressor	84.9 to 222.2 kW	**13.1**

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VITOCAL 300-G PRO

2-stage heat pump
Brine/water heat pump, 84.9 to 222.2 kW

Vitocal 300-G PRO

BW 302.D

Heat pump with electric drive for central heating and DHW heating in mono mode or dual mode heating systems

With weather-compensated **Vitotronic 200 heat pump control unit**

Permissible operating pressure: heating water 10 bar (1.0 MPa)

- Heat pump with electric drive for heating/cooling
- With electronic soft starter
- With Vitotronic 200 weather-compensated control unit, type WO1C
- With hermetically sealed scroll compressor and R412A refrigerant
- Flow temperature up to 60 °C
- With sound-optimised appliance design
- Compact and maintenance-friendly design

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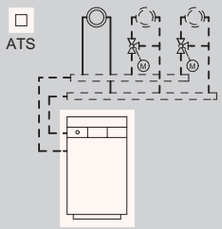
VITOCAL 300-G PRO

Brine/water heat pumps, type BW
2-stage

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-assisted user prompts ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control functions for natural cooling ■ Swimming pool heating ■ Communication capability with Vitocom 100 and 300 Extensions are required for each heating circuit with mixer, the additional oil/gas boiler, cooling control functions and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

Standard delivery:

- Complete heat pump in a compact design (casing panels supplied separately)
- Integral heat pump control unit with outside temperature sensor (programming unit to be integrated in the front panel)
- Electronic starting current limiter
- Anti-vibration base frame

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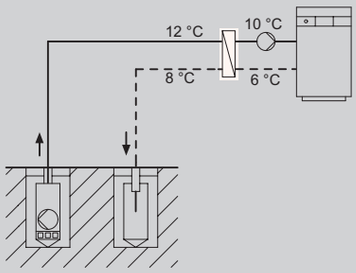
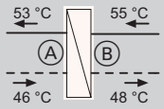
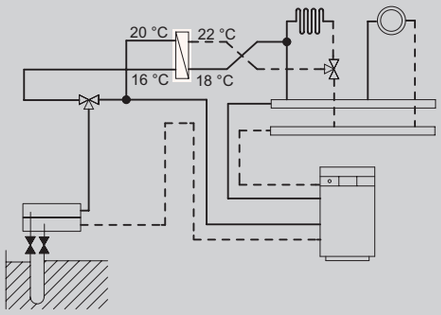
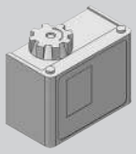
Type Operating mode	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)					MG YD
	84.9 2-stage	108.7 2-stage	135.3 2-stage	174.9 2-stage	222.2 2-stage	
BW 302.D090 Brine/water	Z016814 **41.642,–**	–	–	–	–	Part no. Euro
BW 302.D110 Brine/water	–	Z016815 **47.130,–**	–	–	–	Part no. Euro
BW 302.D140 Brine/water	–	–	Z016816 **55.377,–**	–	–	Part no. Euro
BW 302.D180 Brine/water	–	–	–	Z016817 **60.884,–**	–	Part no. Euro
BW 302.D230 Brine/water	–	–	–	–	Z016818 **81.394,–**	Part no. Euro
Specification						
Length	1383	1383	1972	1972	1972	mm
Width	911	911	911	911	911	mm
Height	1650	1650	1650	1650	1650	mm
Weight	680	860	1150	1250	1425	kg
Coefficient of performance (COP)	4.6	4.5	4.4	4.5	4.6	
Flow temperature	55	55	55	55	55	°C

The flow temperature refers to a brine inlet temperature of 0 °C.
If the primary inlet is at least 5 K higher, the maximum flow temperature increases by 5 °C.

Accessories		
Hydraulic connection accessories		MG YD
Connection set To connect the heat pump to the primary and secondary circuit ■ 2 Victaulic couplings, 3 inch ■ 2 Victaulic couplings 2½ inch ■ 2 adaptors with flange 2½ inch DN 65/PN 10, 220 mm long ■ 2 adaptors with flange, 3 inch DN 80/PN 10, 300 mm long ■ Without sound insulation	ZK03790 **895,–**	Part no. Euro
Sound-insulating expansion joints ■ 2 expansion joints with flange connection on both sides DN 65/PN 10, 100 mm long ■ 2 expansion joints with flange connection on both sides DN 80/PN 10, 100 mm long ■ Pressure rating up to 10 bar, max. 100 °C	ZK03793 **2.425,–**	Part no. Euro
Brine circuit (primary circuit)		MG YD
Pressure switch Pressure range 0.2 to 4.0 bar	ZK04684 **197,–**	Part no. Euro
Heat transfer medium		MG WX
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. Euro
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. Euro
Safety assembly		MG W
Safety equipment block ■ Safety valve (3 bar), pressure gauge and air vent valve ■ Thermal insulation 	7143783 **227,–**	Part no. Euro

Accessories		
Separating heat exchangers for system separation		MG YC
High performance plate heat exchanger In accordance with the countercurrent principle, comprising single plates with all-round Elastomer seal. Thanks to the individual plate pattern, optimum heat transfer is achieved while the pressure drop is kept to a minimum. The condensate drain (on site) drains off any condensate. **Please note:** ■ A flow switch set must also be ordered for water/water operation. ■ An on-site power supply and control system is required for the well pump. 		
Vitotrans EC-Pro GW100 Plate heat exchanger for water/water application of heat pump with drip pan *For type BWR 302.D090*	ZK07130 **4.323,–**	Part no. Euro
Vitotrans EC-Pro GW150 Plate heat exchanger for water/water application of heat pump with drip pan *For type BW 302.D110 and type BW 302.D140*	ZK07131 **5.696,–**	Part no. Euro
Vitotrans EC-Pro GW210 Plate heat exchanger for water/water application of heat pump with drip pan *For type BW 302.D180*	ZK07132 **6.980,–**	Part no. Euro
Vitotrans EC-Pro GW250 Plate heat exchanger for water/water application of heat pump with drip pan *For type BW 302.D230*	ZK07133 **7.743,–**	Part no. Euro
DHW heating		MG YC
High performance plate heat exchanger Works according to the countercurrent principle and features copper-soldered stainless steel plates for system separation when heating DHW with a cylinder loading system Incl. thermal insulation Ⓐ DHW side Ⓑ Heating water side 		
Vitotrans EC-Pro HW050 Plate heat exchanger for DHW heating with cylinder loading system *For type BWR 302.D090 sized for 50 % heat pump output*	ZK07328 **597,–**	Part no. Euro
Vitotrans EC-Pro HW075 Plate heat exchanger for DHW heating with cylinder loading system *For type BWR 302.D110 sized for 50 % heat pump output*	ZK07329 **1.064,–**	Part no. Euro
Vitotrans EC-Pro HW100 Plate heat exchanger for DHW heating with cylinder loading system *For type BWR 302.D140 sized for 50 % heat pump output* *For type BWR 302.D090 sized for 100 % heat pump output*	ZK07330 **1.243,–**	Part no. Euro
Vitotrans EC-Pro HW150 Plate heat exchanger for DHW heating with cylinder loading system *For type BW 302.D180 and type BW 302.D230 sized for 50 % heat pump output* *For type BWR 302.D110 sized for 100 % heat pump output*	ZK07331 **1.530,–**	Part no. Euro
Vitotrans EC-Pro HW210 Plate heat exchanger for DHW heating with cylinder loading system *For type BW 302.D140 and type BW 302.D180 sized for 100 % heat pump output*	ZK07332 **1.862,–**	Part no. Euro
Vitotrans EC-Pro HW250 Plate heat exchanger for DHW heating with cylinder loading system *For type BWR 302.D180 sized for 100 % heat pump output*	ZK07333 **2.226,–**	Part no. Euro

Accessories		
Natural cooling		MG YC
High performance plate heat exchanger Works according to the countercurrent principle, with copper-brazed stainless steel plates Without thermal insulation (insulate on site) **Please note:** For water/water operation, the NC plate heat exchanger in the intermediate circuit must be fitted downstream of the separating heat exchanger. 		
Vitotrans EC-Pro NC050 Plate heat exchanger for the natural cooling function *For type BWR 302.D090*	ZK07334 **1.013,–**	Part no. Euro
Vitotrans EC-Pro NC075 Plate heat exchanger for the natural cooling function *For types BW 302.D110 and BW 302.D140*	ZK07335 **1.199,–**	Part no. Euro
Vitotrans EC-Pro NC100 Plate heat exchanger for the natural cooling function *For type BW 302.D180*	ZK07336 **1.584,–**	Part no. Euro
Vitotrans EC-Pro NC150 Plate heat exchanger for the natural cooling function *For type BW 302.D230*	ZK07337 **1.999,–**	Part no. Euro

Accessories		
Cooling		MG WX
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. Euro
Safety equipment		MG Y
Flow switch set SR5906 For ensuring the minimum flow rate when using a brine/water heat pump as a water/water heat pump Supply voltage: 230 V/50 Hz Switching voltage: 230 V ■ Adjustable electronic flow switch SR5906 ■ Variable flow sensor SF6200 ■ Adaptor M18 x ½ inch for insertion into ½ inch connection ■ Connecting cable 5 m long	Z011176 **1.395,–**	Part no. Euro

Accessories		
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. Euro
Threaded sensor well Suitable for a Ø 6 mm sensor ■ Connection ½" ■ Length 100 mm	ZK03843 **55,–**	Part no. Euro MG YD
Threaded sensor well Suitable for a Ø 6 mm sensor ■ Connection ½" ■ Length 150 mm	ZK03844 **58,–**	Part no. Euro
Threaded sensor well Suitable for a Ø 6 mm sensor ■ Connection ½" ■ Length 200 mm	7549713 **139,–**	Part no. Euro
Threaded sensor well Suitable for a Ø 6 mm sensor ■ Connection ½" ■ Length 250 mm	ZK03845 **70,–**	Part no. Euro
Threaded sensor well Suitable for a Ø 6 mm sensor ■ Connection ½" ■ Length 450 mm	7511395 **181,–**	Part no. Euro
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a separate cooling circuit.	7438537 **87,–**	Part no. Euro
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature in heating systems with external heat generator	7426463 **110,–**	Part no. Euro
Cooling		MG WX
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation	7452646 **523,–**	Part no. Euro
Natural cooling extension kit PCB for processing signals and switching the natural cooling control function. ■ Connection plug ■ Installation accessories Contact humidistat must also be ordered.	7179172 **177,–**	Part no. Euro

Accessories

Remote control units

MG W

Hardwired remote control units cannot be combined with the wireless base station.

Vitotrol 200-A
(KM-BUS subscriber)
For setting one heating circuit:
- Set room temperature and operating program
- Party and economy functions
- Display to show outside temperature, room temperature and operating statuses
- Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer)

If the Vitotrol 200-A is to be used for room temperature hook-up, site the device in a **main living room** (lead room).

Z008341
171,–
Part no.
Euro

Wireless remote control units

MG W

The wireless components cannot be combined with hardwired remote control units.

Vitotrol 200-RF
(wireless subscriber)
Remote control unit with integral wireless transmitter for operation with the wireless base station (accessories).
For setting one heating circuit:
- Set room temperature and operating program
- Party and economy functions
- Display to show outside temperature, room temperature and operating statuses
- Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer)

Max. 3 wireless remote control units per Vitotronic.

Z011219
187,–
Part no.
Euro

Wireless accessories

MG W

Wireless base station
(KM-BUS subscriber)
For communication between the Vitotronic control unit and the following components:
- Vitotrol 200-RF wireless remote control unit

For up to 3 wireless remote control units. Not in conjunction with a hardwired remote control unit.

Z011413
169,–
Part no.
Euro

EnOcean wireless repeater
Mains operated wireless repeater to increase the wireless range of EnOcean wireless signals and for operation in areas where wireless communication is difficult.
- Redirection of wireless signals if disrupted by steel reinforced concrete ceilings/floors and/or multiple walls
- For circumventing large metallic objects situated between the wireless components.

Max. 1 wireless repeater per Vitotronic.

7456538
352,–
Part no.
Euro

Miscellaneous

MG W

Contactor relay
Contactor in small enclosure
- With 4 N/C and 4 N/O contacts
- With terminal strips for protective conductors

Rated current: AC1 16 A, AC3 9 A
Coil voltage: 230 V/50 Hz

7814681
199,–
Part no.
Euro

KM-BUS distributor
For connecting 2 to 9 appliances to the KM-BUS

7415028
75,–
Part no.
Euro

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Accessories		
Temperature controller for swimming pool temperature control		MG W
Temperature controller For controlling the swimming pool temperature ■ With stainless steel sensor well, 200 mm long ■ Setting range: 0 to 35 °C *EA1 extension is required for the swimming pool heating function.*	7009432 **388,–**	Part no. Euro
Heating circuit control unit extension		MG W
Mixer motor ■ For Viessmann heating mixers DN 20 to 50 (welding fitting) and R ½ to R 1¼ (not for flanged mixers) ■ For wiring on site For the 1st heating circuit with mixer (M2) and for integrating an external heat generator, activated directly by the Vitotronic 200. Also order contact temperature sensor, part no. Euro 7426463.	7450657 **297,–**	Part no. Euro
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump	7441998 **460,–**	Part no. Euro
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer	ZK02940 **652,–**	Part no. Euro
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for **separately** ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer	ZK02941 **428,–**	Part no. Euro
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm	7151728 **214,–**	Part no. Euro
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C	7151729 **164,–**	Part no. Euro

► *For heating mixers and additional mixer motors, see Register 11.7.*

Please note:

Provision must be made for a heating water buffer cylinder in the case of heating circuits with mixer.

► *For heating water buffer cylinders, see Register 10.*

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Accessories

Solar DHW heating and central heating backup

MG WO

Solar control module, type SM1
Function extension inside enclosure for wall mounting.
Electronic temperature differential control for dual mode DHW heating and central heating backup using solar collectors.
- With output statement and diagnostic system
- Operation and display via the Vitotronic control unit.
- Heating of 2 consumers via a collector array
- 2nd temperature differential control
- Thermostat function for reheating or utilising excess heat
- Speed control of solar circuit pump with PWM input (Grundfos and Wilo)
- Suppression of DHW cylinder reheating by the heat generator, subject to solar yield
- Heat-up of the solar preheating stage (with DHW cylinders from 400 litre capacity)

Also order immersion temperature sensor, part no.
Euro 7438702, if the following functions are required:
- For DHW circulation changeover in systems with 2 DHW cylinders
- For return changeover between the heat generator and the heating water buffer cylinder
- For heating additional consumers

Z014470
622,–
Part no.
Euro

Function extensions

MG W

AM1 extension
Function extension inside enclosure for wall mounting
The following functions can be achieved:
- Cooling via cooling water buffer cylinder or central fault message
- Heat transfer to the cooling water buffer cylinder

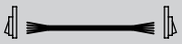
7452092
117,–
Part no.
Euro

EA1 extension
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows up to 5 functions to be achieved:
1 analogue input (0 to 10 V)
- Specification of set flow temperature for secondary circuit

3 digital inputs
- External changeover of the operating status
- External demand and blocking
- External demand for a minimum heating water temperature

1 switching output
- Switching of swimming pool heating

7452091
227,–
Part no.
Euro

Accessories		
Communication technology		MG W
Vitoconnect, type OPTO2 Internet interface for remote control of heating systems via the internet using the ViCare app. Vitoconnect establishes a connection to the internet. Communication: ■ Via Optolink interface with the boiler control unit ■ Via WiFi with the internet Connections: ■ Power cable with plug-in power supply unit ■ USB for Optolink connecting cable ■ WiFi communication for connection to the internet Standard delivery: ■ Web interface for wall mounting ■ Plug-in power supply unit with connecting cable and round plug (1.5 m long) ■ Connecting cable with Optolink/USB (WiFi module/boiler control unit, 3 m long) **Please note:** ■ Before commissioning, check the system requirements for communication via the local IP network/WiFi. ■ Port 443 (HTTPS) and port 123 (NTP) must be open and the SSID must be visible. Hidden WiFi networks cannot be connected. ■ The MAC address is printed on the device label. ■ For operating the Vitoconnect, an available internet connection with flat rate data (no time or volume restrictions) is recommended.	ZK03836 **224,–**	Part no. Euro MG Y
LON communication module for cascade control PCB for installation in the control unit for data exchange via Viessmann LON system bus For communication with: ■ Vitotronic 200-H heating circuit control unit. ■ Vitocom 300 communication interface. In the case of heat pump cascades for installation in the **lead heat pump**	7172174 **282,–**	Part no. Euro
LON communication module PCB for installation in the control unit for data exchange via Viessmann LON system bus For communication with: ■ Vitotronic 200-H heating circuit control unit. ■ Vitocom 300 communication interface. For one heat pump; in the case of heat pump cascades, for installation in the **lag heat pumps**.	7172173 **250,–**	Part no. Euro
LON cable for control unit data exchange ■ 7.0 m long (can be extended once) ■ With RJ45 plugs	7143495 **40,–**	Part no. Euro
LON coupling, RJ45 To extend the LON cable	7143496 **25,–**	Part no. Euro
LON plug-in connectors, RJ45 (2 pce) To create a connecting cable using an on-site cable for **installation spacing in excess of 14 m**	7199251 **73,–**	Part no. Euro
LON socket, RJ45 (2 pce) To create an on-site cable (CAT 6), concealed or run in cable trunking, for **installation spacing in excess of 14 m** (connection from the LON socket to the control unit using the LON cable) 	7171784 **67,–**	Part no. Euro
Terminators (2 pce) To terminate the system bus, use a terminator on each unconnected end.	7143497 **10,50**	Part no. Euro

Accessories		
Communication technology		MG Y
Vitogate 200, type KNX Vitogate 200 can be configured as a KNX gateway to hook up heating systems with a Vitotronic control unit to a home automation system. Functions in conjunction with KNX home automation systems: ■ Operating heating systems (e.g. switching, changing set values) ■ Transferring heating system data (e.g. actual values, operating statuses) ■ Forwarding error and fault messages. Interfaces: ■ KNX bus coupler Standard delivery: ■ Gateway module for wall mounting ■ LON cable (7 m long) Please note: The connection to the on-site home automation system must be made by a certified contractor.	Z012827 **907,–**	Part no. Euro
Vitogate 300, type BN/MB Vitogate 300 can be configured as a BACnet or Modbus gateway and can be used to hook up heating systems with a Vitotronic control unit to a building management system (BMS). Functions in conjunction with BACnet or Modbus building management systems: ■ Operating heating systems (e.g. switching, changing set values) ■ Transferring heating system data (e.g. actual values, operating statuses) ■ Forwarding error and fault messages. Interfaces: ■ BACnet Ethernet/IP or RS485 ■ Modbus Ethernet/IP or RS485 Standard delivery: ■ Gateway module for control cabinet installation ■ Top-hat rail power supply unit ■ LON cable (7 m long) ■ Ethernet cable (2 m long) **Please note:** The connection to the on-site building management system must be made by a qualified contractor.	Z013294 **1.165,–**	Part no. Euro MG YE

Please note:
The KM-BUS distributor must also be ordered if KM-BUS subscribers are already connected to the heat pump control unit (see Accessories).

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