Prices

Applicable from 1 April 2023

NEW

VIESSMANN
ONE BASE

H_2 READY · 20%
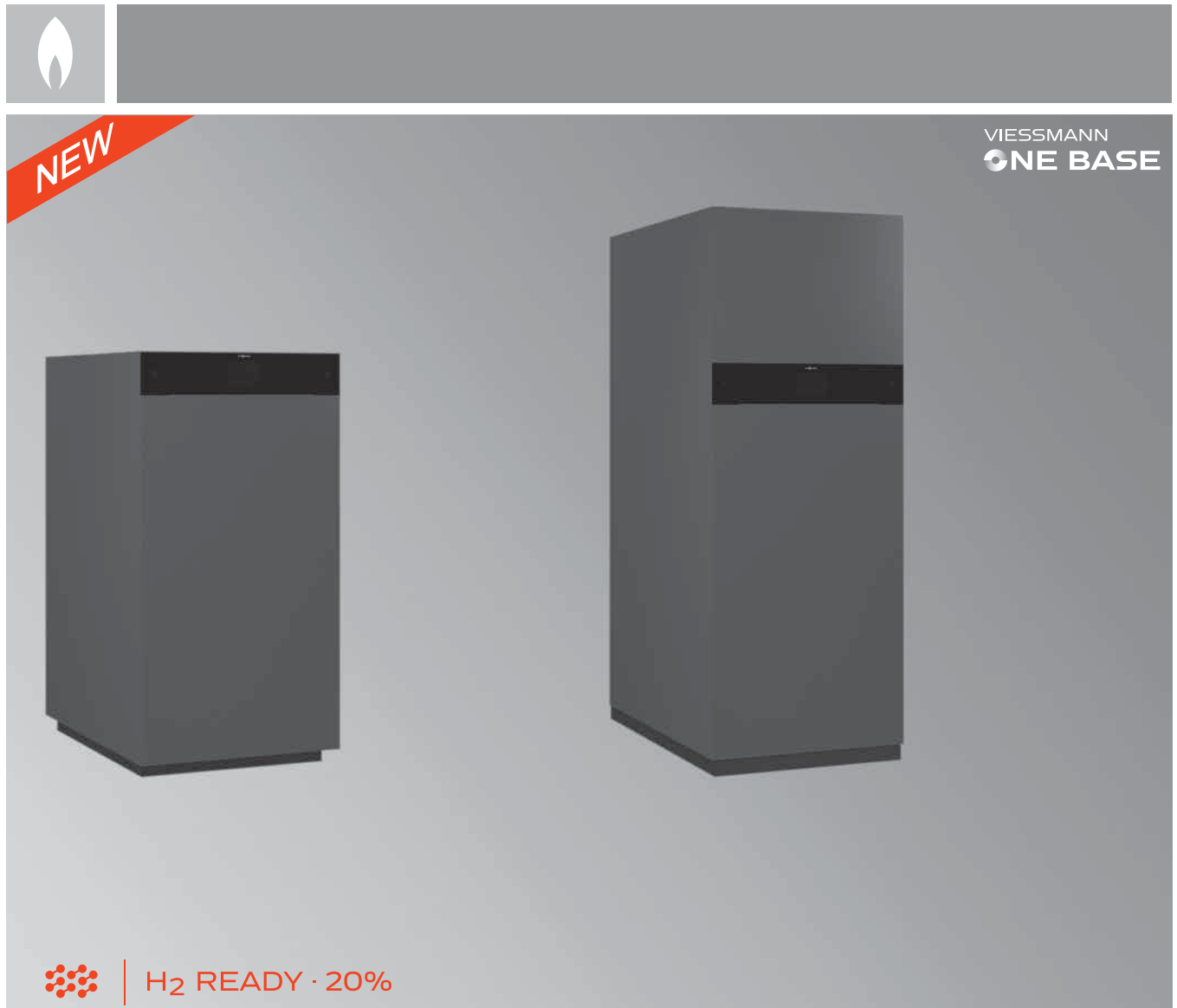
Vitocrossal 300

Type CI3

Highly efficient gas condensing boiler with modulating MatriX cylinder burner for natural gas E and LPG P, for open flue or room sealed operation

- For single boiler systems or cascades
- With Inox-Crossal heat exchanger
- Operation without return temperature limit
- With hydrogen blends of up to 20 % by vol.
- Safety equipment sized to rated heating output at a system temperature of 80/60 °C (EN 12828)
- Intrinsic protection against low water
- With two return connectors

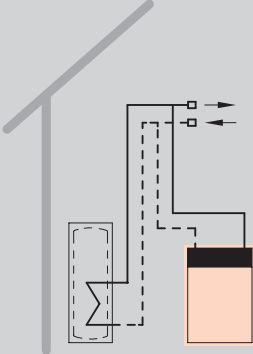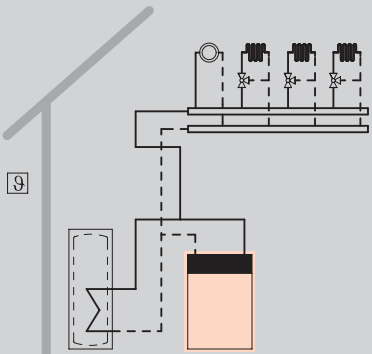**Permissible operating temperature up to 95 °C**
Permissible safety temperature up to 110 °C

Permissible operating pressure 6 bar (0.6 MPa)

- Condensing unit featuring MatriX cylinder burner with O2 combustion control, 80 to 636 kW. Version up to 318 kW as single boiler with one burner; from 480 kW as twin with 2 burners
- Boiler available as a fully wired and pre-assembled unit
- Standard seasonal efficiency [to DIN] up to 97.3 % (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 due to extremely wide modulation range with the twin version, resulting in long burner runtimes and greatly reduced cycling
- MatriX cylinder burner with O2 combustion control for reduced maintenance, improved efficiency, environmentally friendly operation and lower consumption costs. Modulation range down to 1:10
- 7-inch colour touchscreen with plain text and graphic display. One control platform for all applications, such as heating circuit and cascade control as well as DHW heating. For constant temperature or weather-compensated mode
- 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

VITOCROSSAL 300

Single boiler system

Heating system	Control unit		
		ViCare	ViGuide

For constant temperature mode

- With 7-inch colour touchscreen
- Boiler and burner control
- Cylinder temperature control
- Control of 1 heating circuit without mixer
- 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.

For single boiler systems, the cylinder temperature sensor must be ordered separately:
Cylinder temperature sensor
Part no. 7179114   **Euro 110,–   MG W**

- Single boiler system for operation with constant boiler water temperature

For weather-compensated mode

- With 7-inch colour touchscreen
- Boiler and burner control
- Cylinder temperature control
- Control of 1 heating circuit without mixer
- Internet and local service connection via integral WiFi interface

With option to connect up to 4 heating circuits: 1 heating circuit without mixer and 3 heating circuits with mixer.
An extension kit is required for every heating circuit with mixer:
EM-M1 mixer extension kit (wall mounting)
Part no. Z025981   **Euro 375,–   MG W**
An outside temperature sensor is required for weather-compensated mode:
Outside temperature sensor
Part no. ZK04306   **Euro 67,–   MG W**
Cylinder temperature sensor
Part no. 7179114   **Euro 110,–   MG W**

- Single boiler system and 1 or 2 heating circuits with mixer

Standard delivery:

- Boiler body with thermal insulation, adjustable feet and castors (fully plumbed and wired)
- Boiler control unit
- MatriX cylinder burner

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.
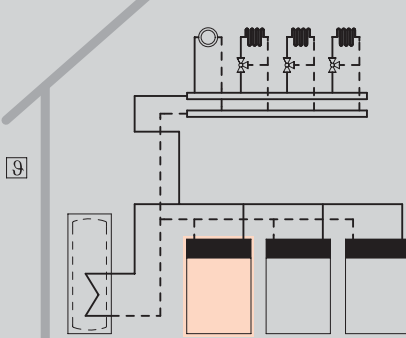► *For mating flanges for the boiler flow and return, see Accessories.*

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Fuel	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C								MG XC
	75 80	108 115	150 160	226 240	299 320	450 480	528 560	600 640	
Natural gas E (H) LPG P	Z028217 **13.363,–**	Z028218 **16.068,–**	Z028219 **18.301,–**	Z028220 **23.242,–**	Z028221 **28.181,–**	Z028222 **38.061,–**	Z028223 **43.001,–**	Z028224 **47.940,–**	Part no. **Euro**
Natural gas E (H) LPG P	Z028217 **13.363,–**	Z028218 **16.068,–**	Z028219 **18.301,–**	Z028220 **23.242,–**	Z028221 **28.181,–**	Z028222 **38.061,–**	Z028223 **43.001,–**	Z028224 **47.940,–**	Part no. **Euro**

Specification									
Length	1005	1005	1005	1212	1212	1430	1430	1430	mm
Width	750	750	750	750	750	750	750	750	mm
Height	1630	1630	1630	1630	1630	1998	1998	1998	mm
Weight	330	330	330	400	400	765	854	854	kg
Flue gas connection	150	150	150	200	200	250	250	250	Ø mm
Draught (Pa)	250	250	250	300	300	200	200	200	Pa
Draught (mbar)	2.5	2.5	2.5	3	3	2	2	2	mbar

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) 57.5 mbar.
- In room sealed operation, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

VITOCROSSAL 300

Multi boiler system

Heating system	Control unit		
		ViCare	ViGuide

■ Max. 8 boilers

For weather-compensated cascade operation of up to 8 boilers

The control unit can be used to control a cascade of up to 8 boilers.

■ With 7-inch colour touchscreen
■ Cascade control
■ Boiler and burner control
■ Cylinder temperature control
■ Control of 1 heating circuit without mixer
■ Internet and local service connection via integral WiFi interface

With option to connect up to 4 heating circuits: 1 heating circuit without mixer and 3 heating circuits with mixer.
An extension kit is required for every heating circuit with mixer:
EM-M1 mixer extension kit (wall mounting)
Part no. Z025981   **Euro 375,–   MG W**
An outside temperature sensor is required for weather-compensated mode:
Outside temperature sensor
Part no. ZK04306   **Euro 67,–   MG W**
Cylinder temperature sensor
Part no. 7179114   **Euro 110,–   MG W**

Standard delivery:

■ Boiler body with thermal insulation, adjustable feet and castors (fully plumbed and wired)
■ Boiler control unit
■ MatriX cylinder burner

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.*

VIESSMANN

Fuel	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C								MG XC
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- In room sealed operation, the available draught at the flue gas connection falls with the pressure drop in the ventilation air pipe.

VITOCROSSAL 300

Boiler accessories

Accessories

Boiler		Rated boiler heating output (kW)								MG W
		80	115	160	240	320	480	560	640	
Safety valve		R 1¼				R 1½				
3 bar	**Inlet**	G 1			G 1¼		G 1½			
	Outlet	G 1¼			G 1½		G 2			
Diaphragm safety valve		7501948 87,–			7501950 128,–		7501952 416,–			Part no. **Euro**
90° elbow with reducer G 1¼ to G 1		7638790 35,–			–					Part no. **Euro**
90° elbow G 1¼		–			7638789 31,–		–			Part no. **Euro**
4 bar	**Inlet**	G 1			G 1¼			G 1½		
	Outlet	G 1¼			G 1½			G 2		
Diaphragm safety valve		7501949 67,–			7452612 265,–		7437805 770,–			Part no. **Euro**
90° elbow with reducer G 1¼ to G 1		7638790 35,–			–					Part no. **Euro**
90° elbow G 1¼		–			7638789 31,–		–			Part no. **Euro**
Reducer G 1½ to G 1¼		–					7501954 35,–	–		Part no. **Euro**
6 bar	**Inlet**	G 1					G 1¼			
	Outlet	G 1¼					G 1½			
Diaphragm safety valve		7571989 78,–					7452613 264,–			Part no. **Euro**
90° elbow with reducer G 1¼ to G 1		7638790 35,–					–			Part no. **Euro**
Reducer G 1½ to G 1¼		–					7501954 35,–	–		Part no. **Euro**

Boiler	Rated boiler heating output (kW)								MG W
	80	115	160	240	320	480	560	640	
Mating flange DN 50 PN 6 (1 pce) With screws and gasket ■ 80 to 160 kW: for heating flow or return ■ 160 to 640 kW: for 2nd return *A mating flange must be added to the order for each connection.*	ZK04589 39,–								Part no. **Euro** **MG W**
Mating flange DN 65 PN 6 (1 pce) With screws and gasket ■ 240 and 320 kW: for heating flow or return *A mating flange must be added to the order for each connection.*	–			ZK04590 61,–		–			Part no. **Euro** **MG E**

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Accessories

Boiler	Rated boiler heating output (kW)								Part no.
	80	115	160	240	320	480	560	640	
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,–**								**Euro** MG **E**

Burner	Rated boiler heating output (kW)								Part no.
	80	115	160	240	320	480	560	640	
Accessories for room sealed operation ■ Adaptor with damper ■ Spiral hose and reducer (if required) ■ From 478 kW with ventilation air box *One pce per boiler must be added to the order.*	7946564 **785,–**			7946563 **736,–**		ZK06673 **2.151,–**	ZK06674 **2.063,–**		**Euro** MG **W**
Filter set as clip-on filter for burner intake For combustion air with open flue operation ■ Clip-on filter ■ Flange adaptor (if required) *One pce per boiler must be added to the order.*	7946571 **321,–**			7946570 **521,–**		7946569 **847,–**	7946568 **968,–**		**Euro** MG **W**
Filter set as clip-on filter for burner intake For combustion air in room sealed operation ■ Filter box and clip-on filter ■ Spiral hose for connection *One pce per boiler must be added to the order.*	7946566 **1.632,–**					7946565 **2.046,–**			**Euro** MG **W**
Differential pressure switch for filter monitoring ■ With hose nozzle ■ Air pressure hose ■ Retaining bracket and screws *One pce per filter must be added to the order.*	7946560 **79,–**								**Euro** MG **W**

Flue gas dampers	Rated boiler heating output (kW)								MG **W**
	80	115	160	240	320	480	560	640	
Flue gas damper DN 150 Sealing motorised flue gas damper *If the flue gas header is installed on site, one flue gas damper per boiler must be added to the order.*	7987324 **868,–**			–					Part no. **Euro**

VITOCROSSAL 300

Boiler accessories

Accessories									

Flue gas dampers	Rated boiler heating output (kW)								MG **W**
	80	**115**	**160**	**240**	**320**	**480**	**560**	**640**	
Flue gas damper DN 200 Sealing motorised flue gas damper *If the flue gas header is installed on site, one flue gas damper per boiler must be added to the order.*	–			7984977 **1.026,–**			–		Part no. **Euro**
Flue gas damper DN 250 Sealing motorised flue gas damper *If the flue gas header is installed on site, one flue gas damper per boiler must be added to the order.*	–						7984978 **1.041,–**		Part no. **Euro**

Servomotors	Rated boiler heating output (kW)								MG **W**
	80	**115**	**160**	**240**	**320**	**480**	**560**	**640**	
Servomotor DN 50 PN 6 Motorised butterfly valve	7637264 **1.150,–**				–				Part no. **Euro**
Servomotor DN 65 PN 6 Motorised butterfly valve	–			7637265 **1.172,–**			–		Part no. **Euro**
Servomotor DN 100 PN 6 Motorised butterfly valve	–						7984979 **1.400,–**		Part no. **Euro**

Neutralising systems	Rated boiler heating output (kW)								MG **W**
	80	**115**	**160**	**240**	**320**	**480**	**560**	**640**	
Neutralising system with wall mounting bracket ■ For condensing boilers 50 to 500 kW ■ With neutralising granulate (10 kg)	7968320 **349,–**						–		Part no. **Euro**
Neutralising system ■ For condensing boilers 500 to 1,500 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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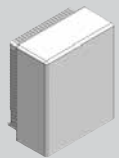
Accessories

Sensors

Rated boiler heating output (kW)								MG W
80	115	160	240	320	480	560	640	

CO limiter with connecting cable
- For safety shutdown of the boiler if carbon monoxide escapes
- Can be used for boilers built from 2004 onwards
- With connecting cable for use with Vitorondens 200-T, 68 to 107 kW

Z024247 — **268,–** | Part no. **Euro**

Condensate removal pumps

Rated boiler heating output (kW)								MG W
80	115	160	240	320	480	560	640	

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

Rated boiler heating output (kW)								
80	115	160	240	320	480	560	640	

Service box
- Protective box for service folder with system documentation
- Can be attached to the heat generator or 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**

Accessories

System pipework for 2-boiler systems	Rated boiler heating output (kW)			MG W
Flue gas header for a system consisting of 2 boilers, made of stainless steel For flue gas connection Ø 250/350 mm ■ Flue gas header with condensate drain ■ Sealing motorised flue gas damper ■ Extension compensator ■ Inspection cover with handle *The TWIN version can be used for outputs up to 318 kW.*	–	ZK07546 **4.555,–**	–	Part no. **Euro**
Flue gas header for a system consisting of 2 boilers, made of stainless steel For flue gas connection Ø 250/400 mm ■ Flue gas header with condensate drain ■ Sealing motorised flue gas damper ■ Extension compensator ■ Inspection cover with handle *The TWIN version can be used for outputs up to 318 kW.*	–	ZK07547 **4.651,–**		Part no. **Euro**
Hydraulic system pipework for a system consisting of 2 boilers DN 100/125 PN6 ■ Separate flow and return header ■ Motorised butterfly valve ■ Mating flanges with screws and gaskets ■ *The TWIN version can be used for outputs up to 318 kW.*	–	ZK07548 **4.388,–**		Part no. **Euro**

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Accessories

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 states. 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 **290,–**	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	7438537 **87,–**	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)	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (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 cable (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C	7151729 **164,–**	Part no. **Euro**

VITOCROSSAL 300

Control unit accessories

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 cable (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 **375,–**	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 a 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 **212,–**	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 **313,–**	Part no. **Euro**

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Accessories		

Communication technology		MG **YE**
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 Viessmann appliance Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.638,–**	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 Viessmann appliance Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.638,–**	Part no. **Euro**
WAGO BN/IP gateway For mounting on a top-hat rail. Data exchange with an external system based on the BACnet/IP communication standard. Connections: ■ BACnet/IP terminals for connection to the on-site BACnet system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the Viessmann appliance Standard delivery: ■ WAGO BN/IP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z022176 **1.321,–**	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 Viessmann appliance ■ Length 7 m ■ 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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