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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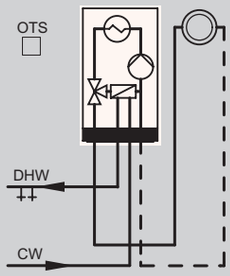
VITODENS 050-W

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

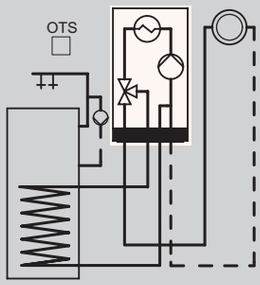
Specification						
Type		B0KA	B0KA	B0KA		
Length		300	300	300		mm
Width		400	400	400		mm
Height		700	700	700		mm
Weight		33	33	33		kg
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		25.4	29.6	29.6		kW
Draw-off rate		12.0	14.0	14.0		l/min

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.

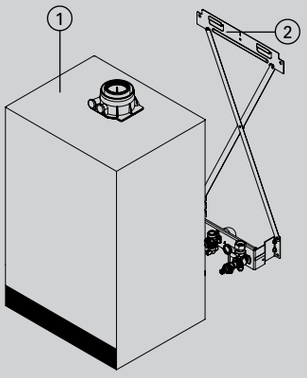
In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

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

Smart thermostats

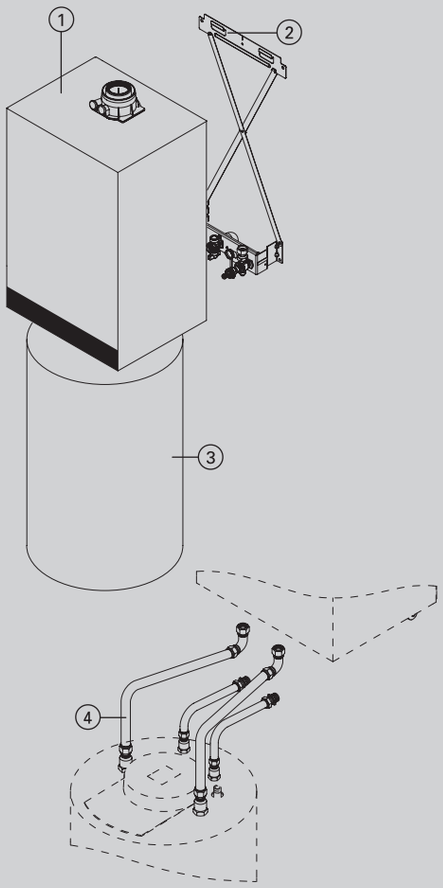
		MG Y
ViCare thermostat (2-point controller) The function of a wireless, battery-operated class IV room thermostat is provided in conjunction with the ViCare climate sensor. Operation only via ViCare app. ■ ViCare climate sensor ■ Licence key: smart thermostat with 2-point room temperature control ►For 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.

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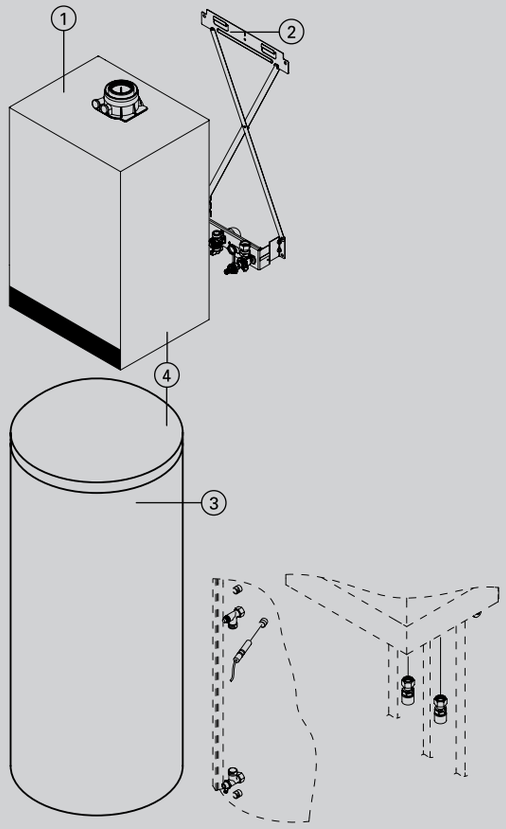
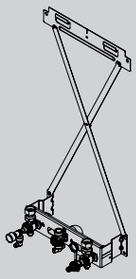
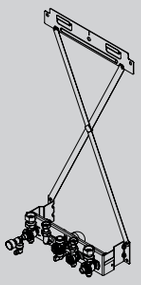
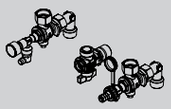
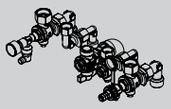
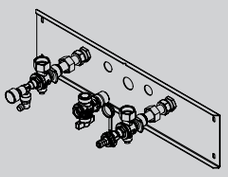
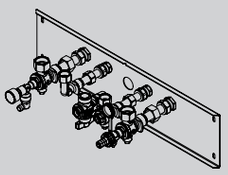
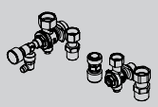
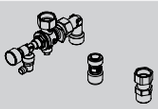
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

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**

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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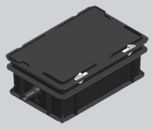
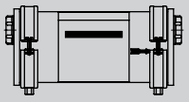
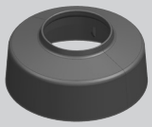
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover for 400 mm wide appliances Height: 250 mm Individual and with DHW cylinder adjacent to the boiler	7968915 **138,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 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

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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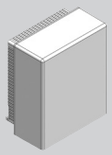
Accessories		
Control unit for room temperature-dependent mode		MG W
Vitotrol 100-E (incl. on/off room temperature control) Wireless remote control with integral room temperature sensor and backlit graphic display with the following functions: ■ **Wireless communication** with the heat generator via 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.

4.1

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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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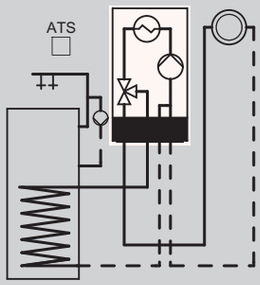
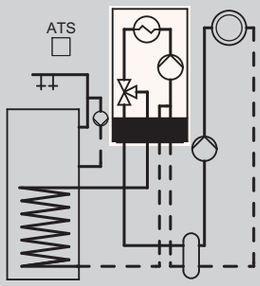
VITODENS 100-W

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

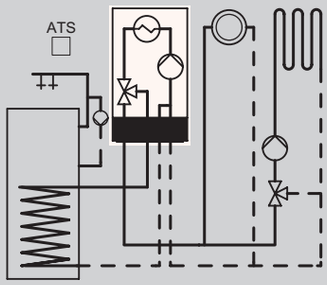
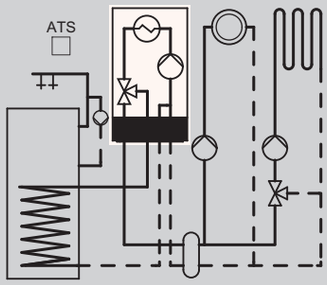
Specification							
Length	360	360	360	360	360	360	mm
Width	400	400	400	400	400	400	mm
Height	700	700	700	700	700	700	mm
Weight	32	32	32	32	32	32	kg
Flue gas connection	60	60	60	60	60	60	Ø mm
Ventilation air connection	100	100	100	100	100	100	Ø mm
DHW output	17.5	23.0	29.3	17.5	23.0	29.3	kW

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						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*	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.

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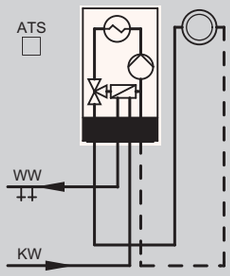
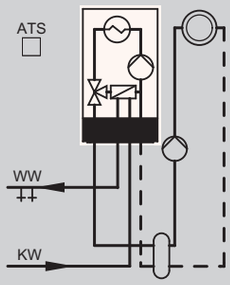
VITODENS 100-W

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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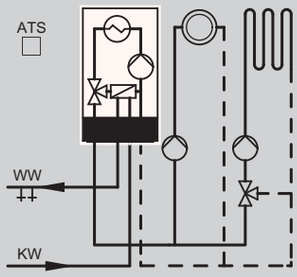
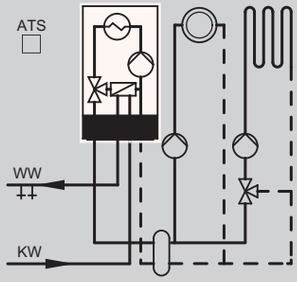
System Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C 3.2 - 19.0 2.9 - 17.5	3.2 - 25.0 2.9 - 23.0	3.2 - 32.0 2.9 - 29.3	5.7 - 19.0 5.2 - 17.5	5.7 - 25.0 5.2 - 23.0	5.7 - 32.0 5.2 - 29.3		MG WC
For single connection Natural gas E (H) Natural 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 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.

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**

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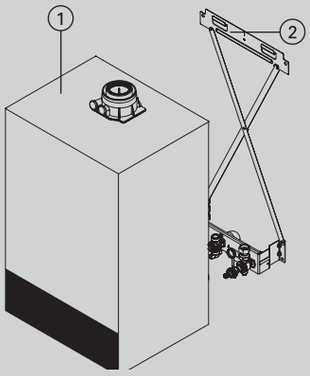
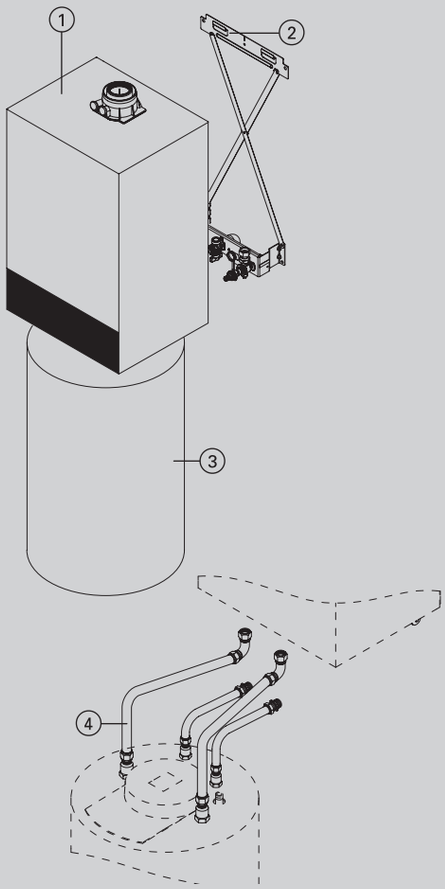
System diagram



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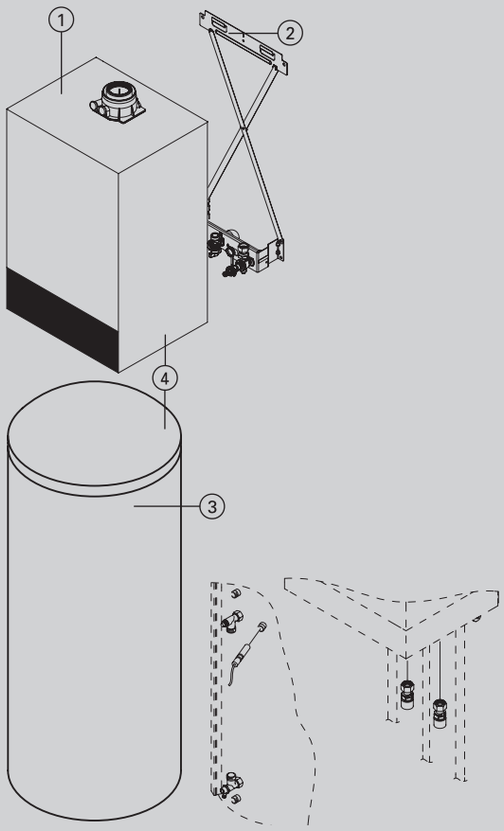
Accessories
With Vitocell 100-W below the boiler (120 and 150 litres)
Made from steel, with **Ceraprotect enamel coating**

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**

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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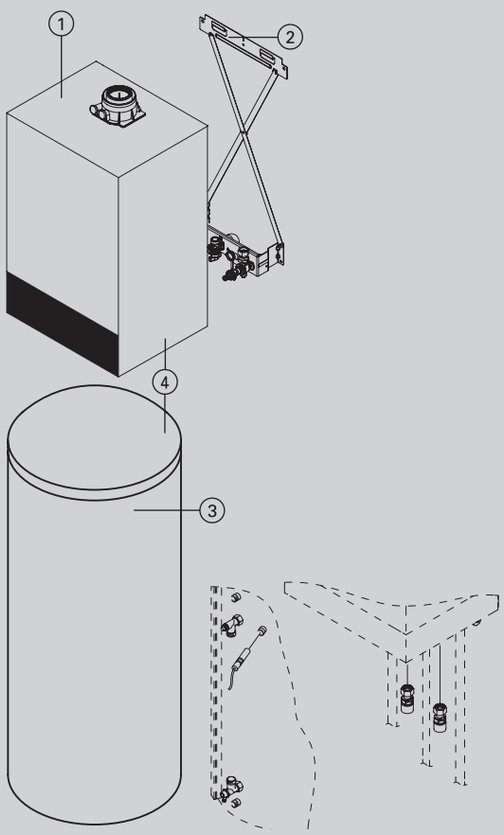
VITODENS 100-W

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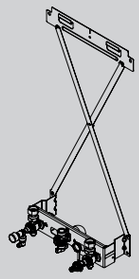
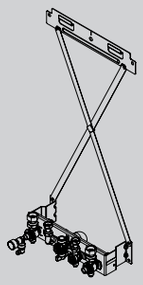
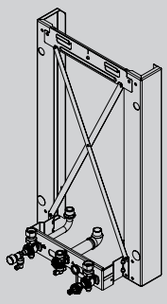
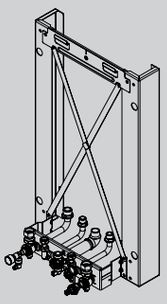
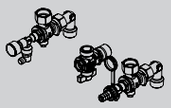
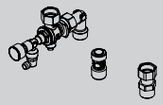
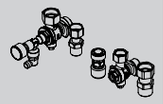
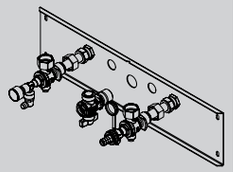
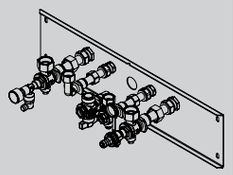
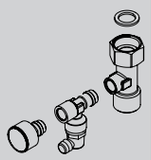
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

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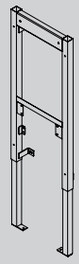
Accessories		
Plumbing wall installation		MG W
Plumbing wall mounting frame (installed depth 110 mm) For gas system boilers Suitable for installing the appliance in front of lightweight walls or for installation anywhere in the room. *The pre-plumbing jig (part no. ZK04307) must be added to the order.*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

4.2

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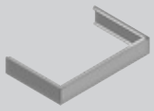
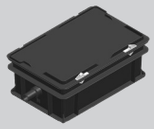
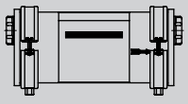
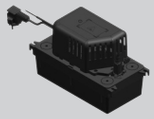
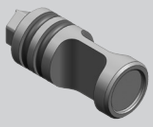
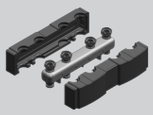
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover for 400 mm wide appliances Individual and with DHW cylinder adjacent to the boiler. 	ZK05674 **63,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With 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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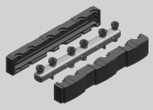
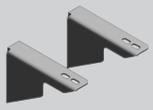
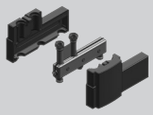
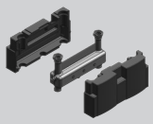
Accessories

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.

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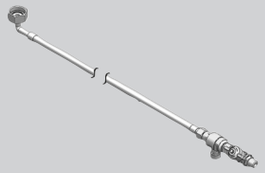
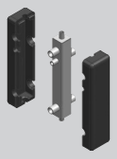
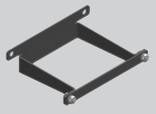
Accessories		
Gas shut-off valves		MG W
Straight-through gas valve R ½ (for surface mounting) With integral, thermally activated safety shut-off valve.	ZK01989 **60,–**	Part no. **Euro**
Angle gas valve R ½ (for flush mounting) With integral, thermally activated safety shut-off valve.	ZK01990 **42,–**	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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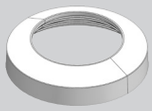
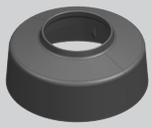
Accessories		
Balanced flue system		MG WZ
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation. 	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

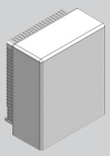
Control unit for room temperature-dependent mode

		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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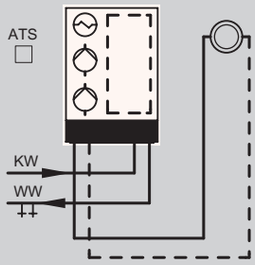
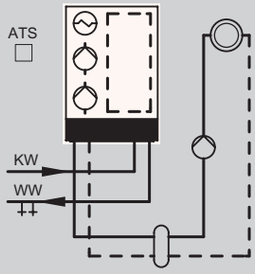
VITODENS 111-W

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

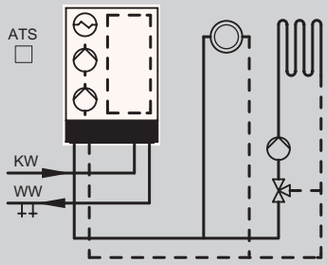
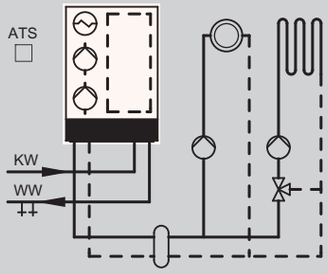
The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

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. 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 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

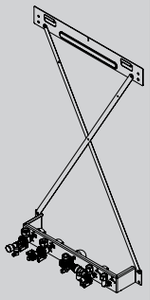
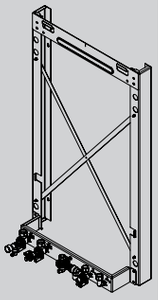
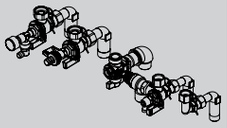
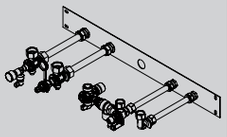
ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient 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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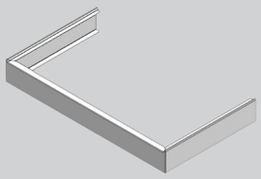
Accessories

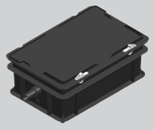
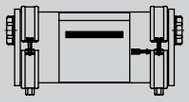
Valve/fittings covers

		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

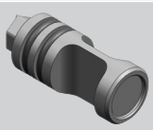
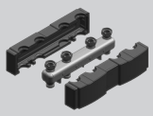
		MG W
Condensate removal pump SI1800 Automatic condensate removal pump with max. 5 mWC ■ Centrifugal pump 230 V/70 W ■ Condensate container 2 l ■ Pressure hose 5 m ■ Non-return valve ■ Alarm contact: changeover contact (floating) 250 V/4 A (ohmic load) 	ZK02486 **254,–**	Part no. **Euro**

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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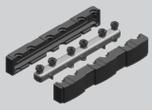
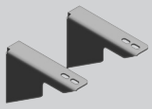
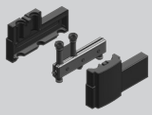
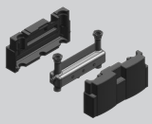
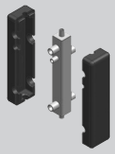
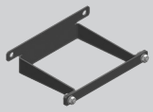
Accessories

Divicon accessories

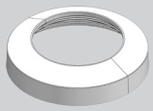
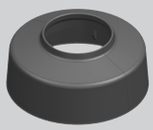
Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection 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.

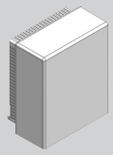
Max. 1 Vitotrol 200-E per heat generator.

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**

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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.

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

5472548 8/2023

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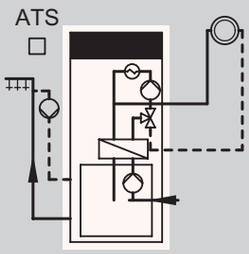
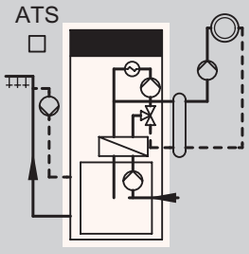
VITODENS 111-F

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.*

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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

	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

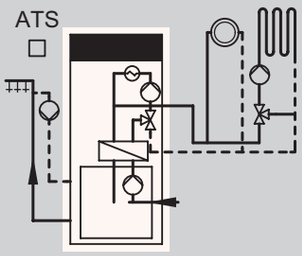
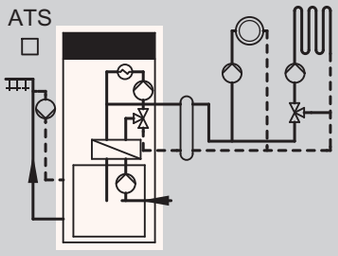
The appliances are tested and approved for natural gas and LPG to EN 15502.

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

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

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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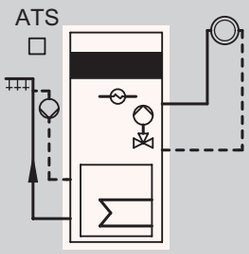
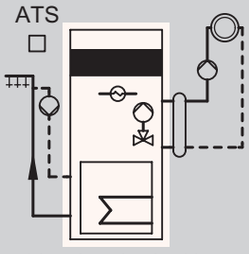
VITODENS 111-F

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

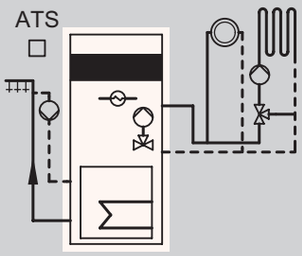
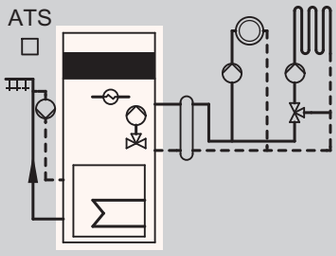
The appliances are tested and approved for natural gas and LPG to EN 15502.
Heat input is different in partial load for appliances with multiple connection

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

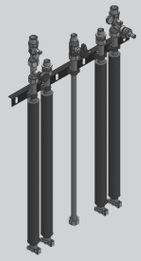
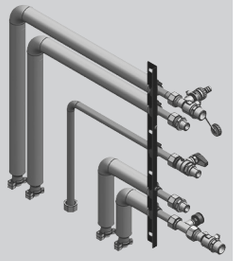
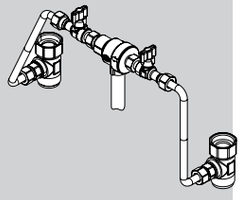
ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient 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

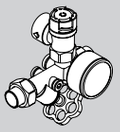
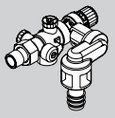
Smart thermostats

		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**

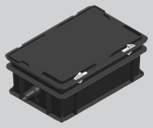
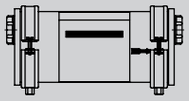
Accessories		
Hydraulic accessories		MG W
Connection set for surface mounting; upward connection ■ Connection pipes ■ Shut-off valves for heating water flow and return (R ¾) with BDF valve ■ 2 connection pieces for DHW (R ½) ■ Gas shut-off valve with thermally activated safety shut-off valve (R ½) 	ZK04311 **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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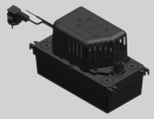
Accessories

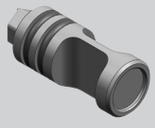
Condensate removal pumps

		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**

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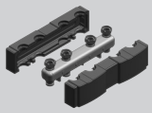
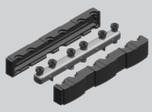
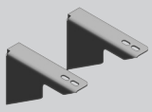
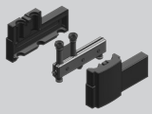
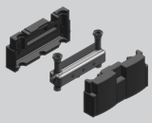
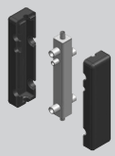
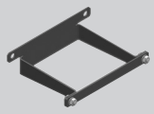
Accessories

Divicon accessories

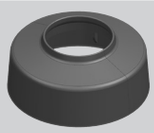
Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal 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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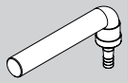
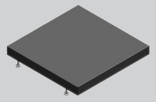
Accessories		
Miscellaneous		MG WZ
Connection bend (DN 40) For direct connection of the appliance-side condensate pipe to the drain pipe (DN 40) 	7461025 **8,70**	Part no. **Euro**
Boiler plinth For siting the appliance on unfinished floors. Height-adjustable, for screed heights of 10 to 18 cm. 	7352259 **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

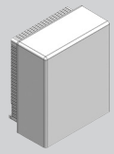
MG W

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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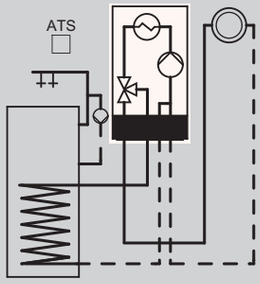
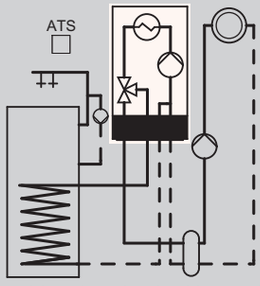
VITODENS 200-W

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

Heating system	Control unit 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 ■ 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**

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.*

5836644

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

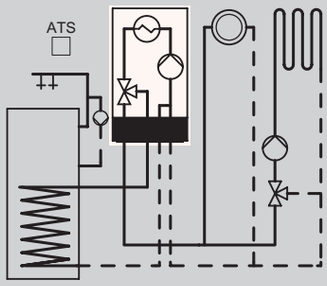
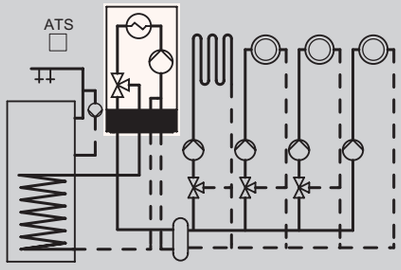
Specification						
Length		360	360	360	360	mm
Width		450	450	450	450	mm
Height		700	700	700	700	mm
Weight		33	33	33	33	kg
Flue gas connection		60	60	60	60	Ø mm
Ventilation air connection		100	100	100	100	Ø mm
DHW output		17.5	17.5	23.0	29.3	kW

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
 ■ 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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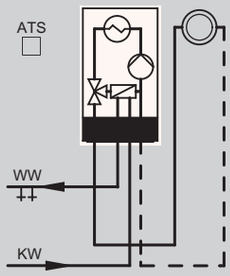
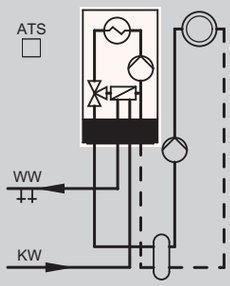
	Control unit display	Fuel	Rated heating output range (kW) for room heating and heating water temperatures of 50/30 °C or 80/60 °C					MG WJ
			1.9 - 11.0 1.7 - 10.1	1.9 - 19.0 1.7 - 17.5	1.9 - 25.0 1.7 - 23.0	1.9 - 32.0 1.7 - 29.3		
	7-inch colour touchscreen	Natural gas E (H) Natural gas LL LPG P	Z019320 **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
 ■ 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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	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.

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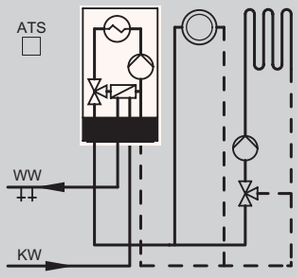
VITODENS 200-W

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

Heating system	Control unit (ViCare, VitoGuide)

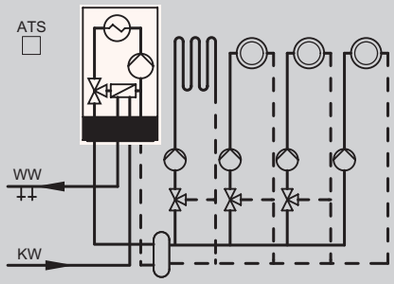


- 1 heating circuit without mixer
- 1 heating circuit with mixer

For weather-compensated mode

- With 7-inch colour touchscreen
- Internet and local service connection via integral WiFi interface

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**

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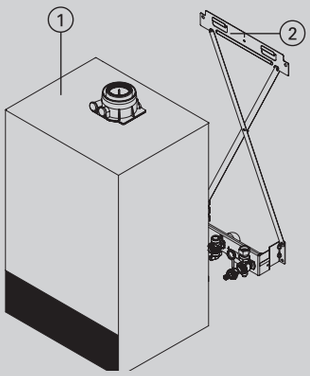
System diagram		MG W
		
① **Vitodens**		
② **Installation accessories** For installation of the appliance, a pre-plumbing jig, mounting frame or valves/fittings must be added to the order. ►See section "Installation accessories".		
Optional		
Cylinder temperature sensor To capture the DHW temperature (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**
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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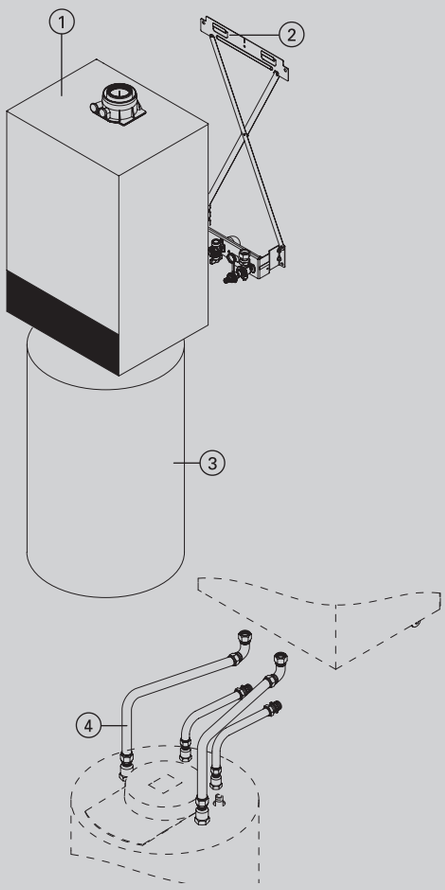
VITODENS 200-W

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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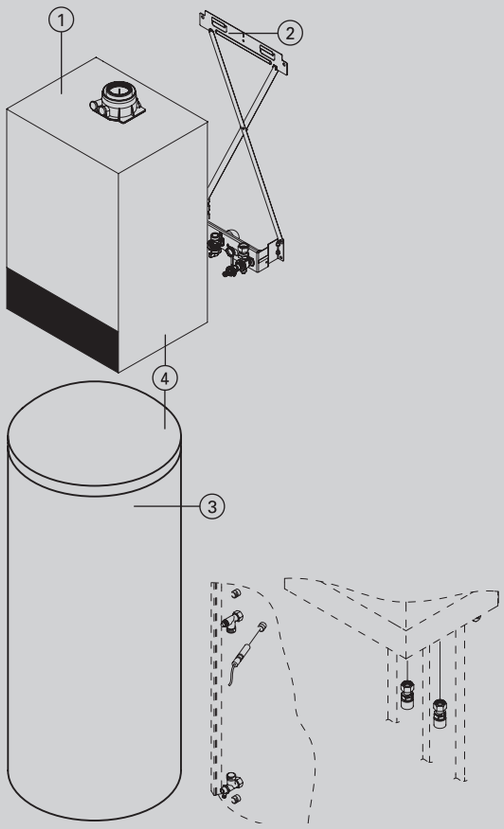
VITODENS 200-W

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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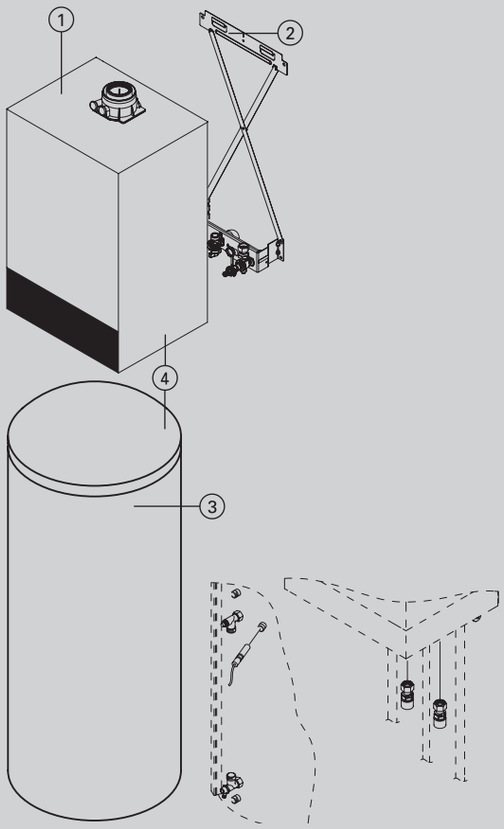
VITODENS 200-W

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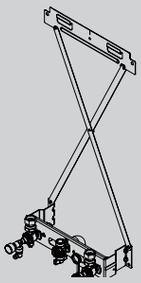
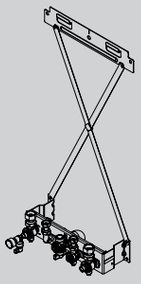
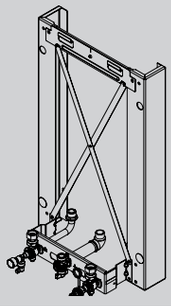
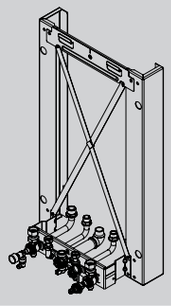
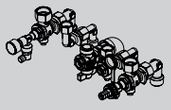
Accessories
With Vitocell 100-W adjacent to the boiler (300 or 400 litres)
Made from steel, with **Ceraprotect enamel coating, for solar thermal systems**

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**

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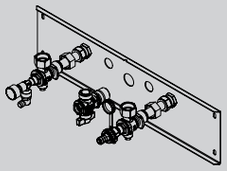
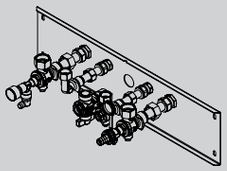
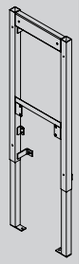
Accessories

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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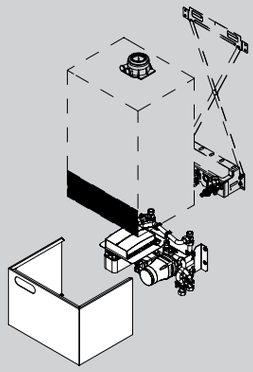
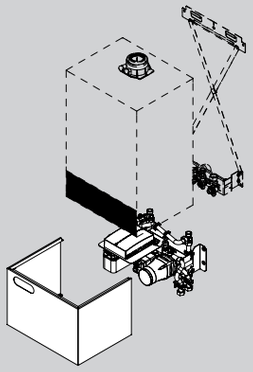
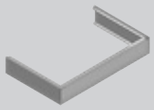
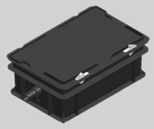
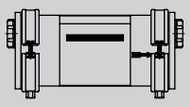
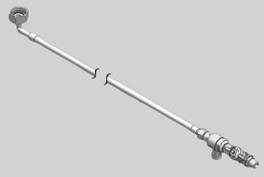
Accessories		
Heating circuit		MG W
Sub-mounting kit with mixer For gas system boilers. Complete assembly for heat distribution via one heating circuit with mixer and one heating circuit without mixer, for installation below the appliance. ■ Plate heat exchanger for system separation of the heating circuit 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**

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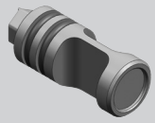
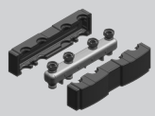
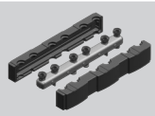
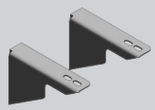
Accessories

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 25/6	**–**		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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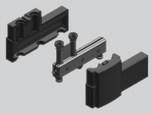
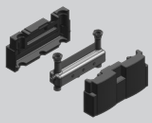
Accessories

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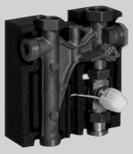
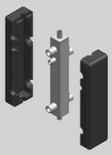
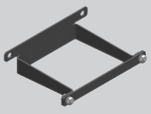
Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- For Divicon heating circuit distributor as an assembly, see Register 9.2

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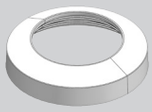
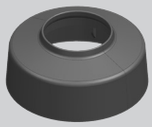
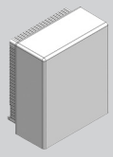
Accessories		
Balanced flue system		MG WZ
Ventilation air cover For parallel flue pipe routing Ø 60/60 without additional parallel adaptor. 	ZK04940 **6,–**	Part no. **Euro**
Water spray protection To ensure adherence to the required protection class. Must be added to the order for open flue operation.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

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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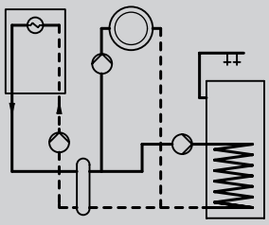
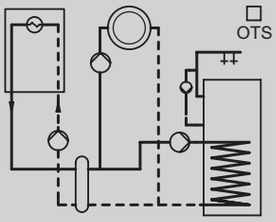
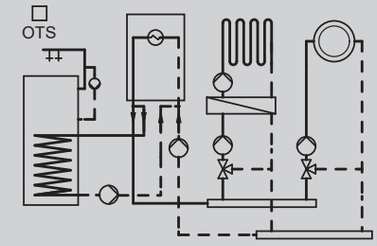
VITODENS 200-W

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 EnV). **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**

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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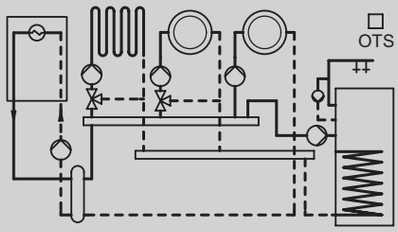
VITODENS 200-W

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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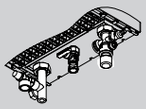
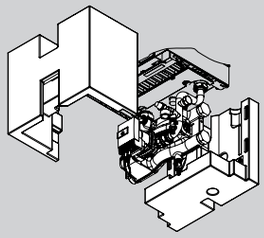
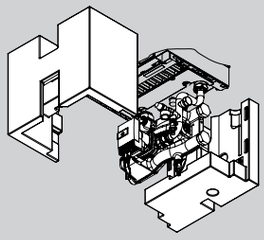
VITODENS 200-W

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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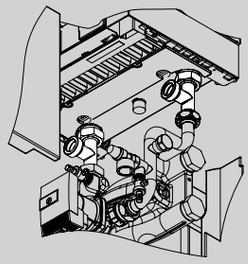
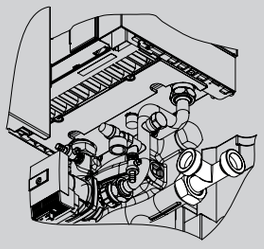
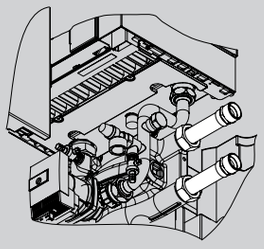
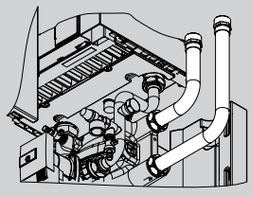
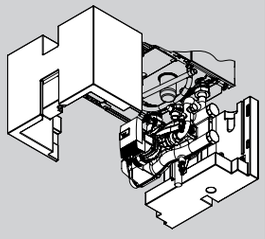
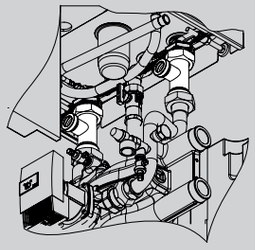
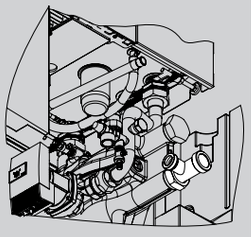
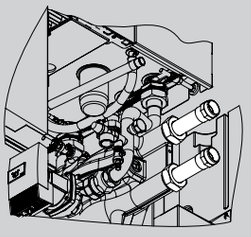
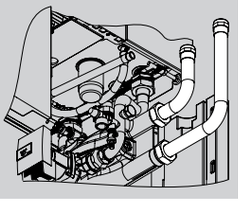
Accessories		
Heating circuit and DHW cylinder (for Vitodens 200-W with 49 to 99 kW)		MG W
DHW cylinder connection set 2 tees G 1½ 	ZK03669 **92,–**	Part no. **Euro**
Connection set for combining Vitodens 200-W with CHP unit For connection of the CHP unit return downstream of the low loss header. Tee 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**

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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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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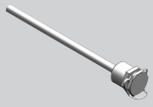
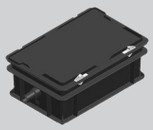
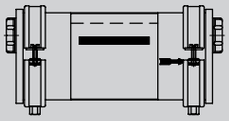
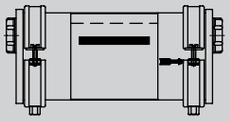
Accessories		
Sensors		MG W
Cylinder temperature sensor To capture the DHW temperature (3.75 m long). Included in the standard delivery for part no. ZK00657, 7348934 and 7501325.	7179114 **110,–**	Part no. **Euro**
Stainless steel sensor well R ½, 200 mm long. (For cylinder temperature sensor) 	7819693 **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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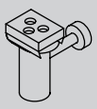
Accessories for Vitodens 200-W with 120 and 150 kW

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.*

	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.)

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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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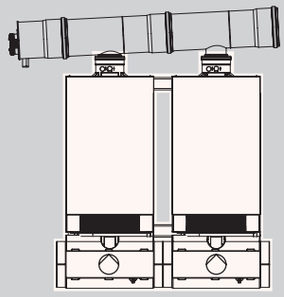
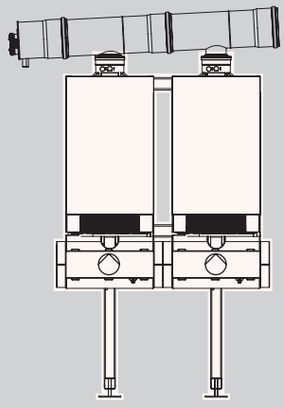
VITODENS 200-W

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

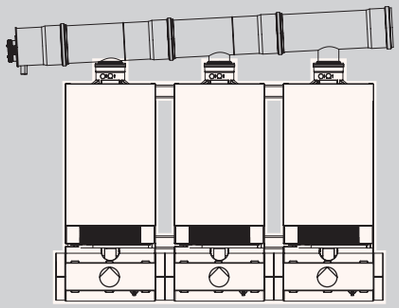
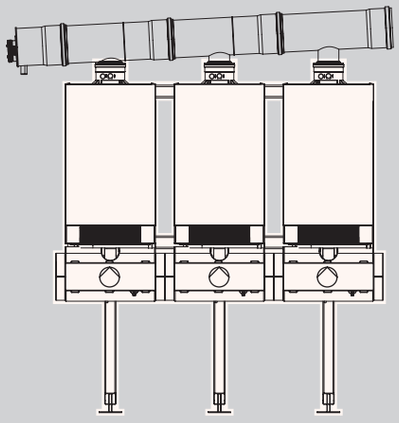
The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

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".

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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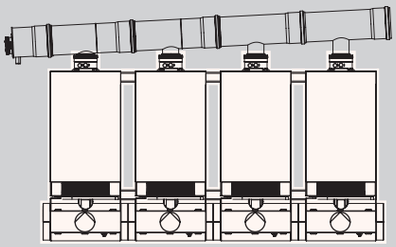
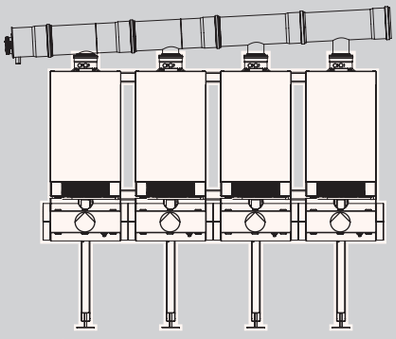
VITODENS 200-W

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.

	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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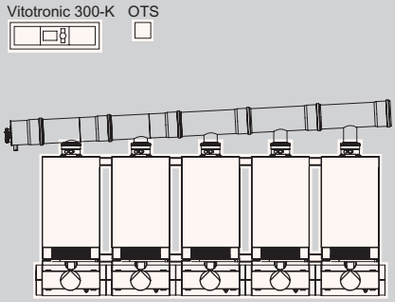
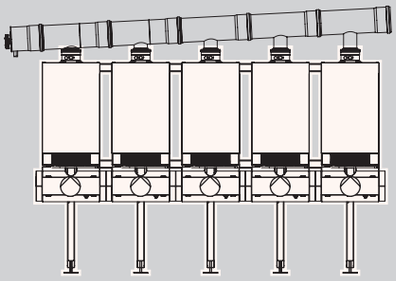
VITODENS 200-W

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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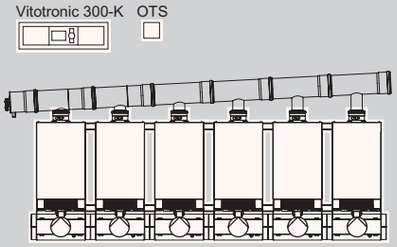
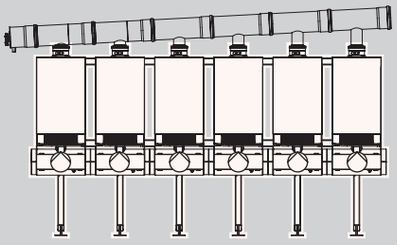
VITODENS 200-W

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.

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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		
	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

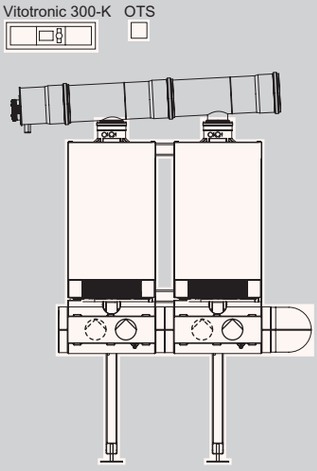
The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

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".

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

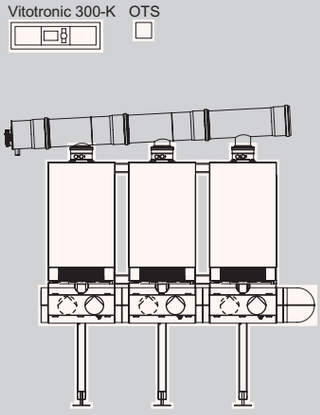
The appliances are tested and approved for natural gas to EN 437, EN 15502-1 and EN 15502-2-1.

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".

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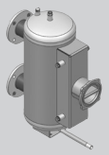
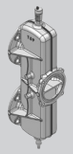
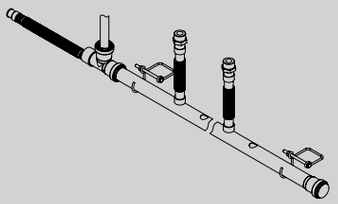
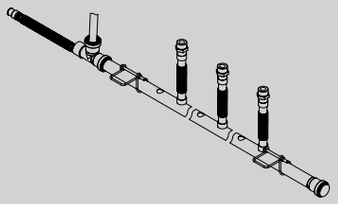
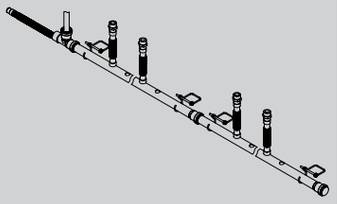
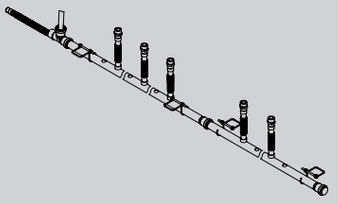
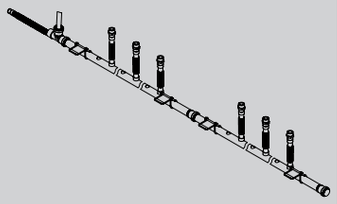
Accessories		
Low loss header		MG W
Low loss header DN 80 ■ Can be used up to 594 kW ■ Incl. thermal insulation Observe the maximum flow rate; see technical guides. 	ZK02627 **1.278,–**	Part no. **Euro**
Heating circuit connecting kit		MG W
Cascade module adaptor DN 100 For on-site installation without 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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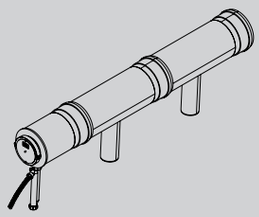
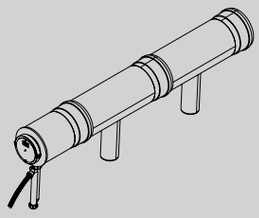
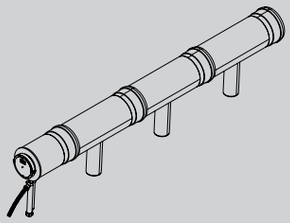
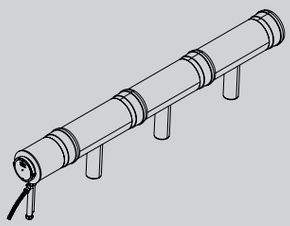
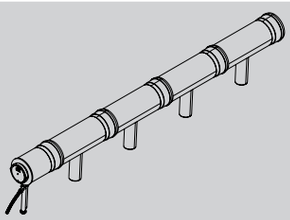
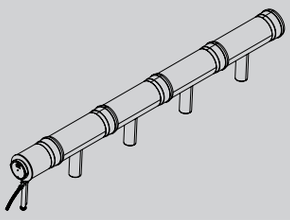
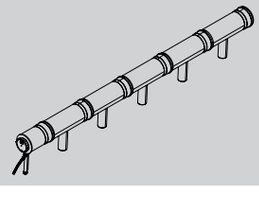
Accessories
Flue gas cascades for inline formation

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**

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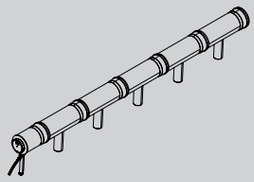
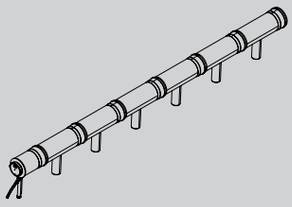
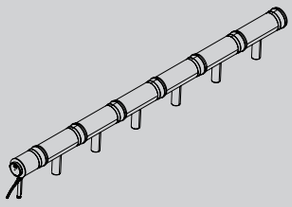
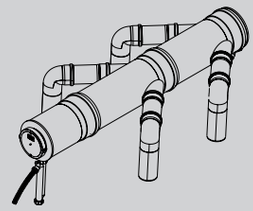
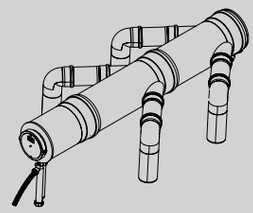
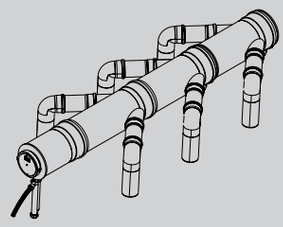
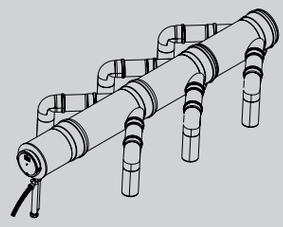
Accessories		
Flue gas cascade		MG WZ
Flue gas cascade, five-boiler system For installing Vitodens 200-W with 80 or 99 kW in inline formation. ■ Flue gas header ■ Terminal with condensate drain and trap Flue pipe connection Ø 250 mm. Max. flue pipe length 30 m. 	ZK02637 **3.045,–**	Part no. **Euro**
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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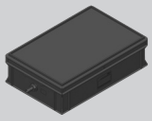
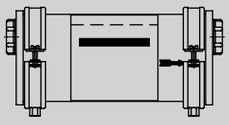
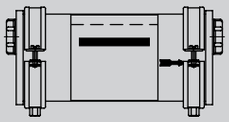
Accessories		
Flue gas cascade accessory		MG WZ
Back draught safety device for Vitodens 99 kW ■ Consisting of DN 110 back draught safety device with coding card ■ For vertical installation in the downstream flue pipe directly behind the boiler *Must be ordered separately for every boiler in the flue gas cascade.*	ZK07172 **54,–**	Part no. **Euro**

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**

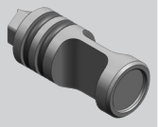
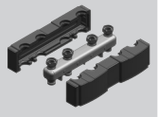
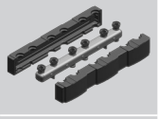
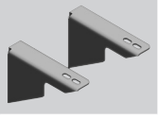
Heating circuit

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**

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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**

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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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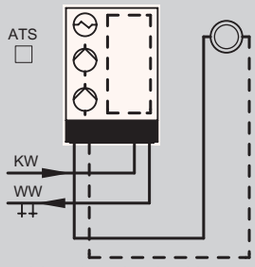
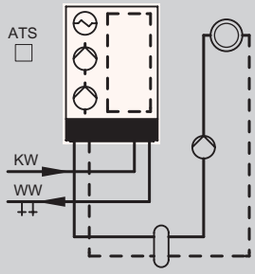
VITODENS 222-W

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

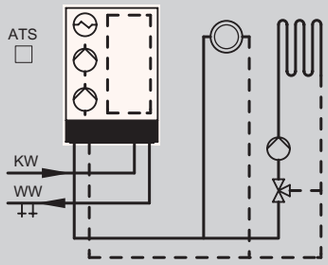
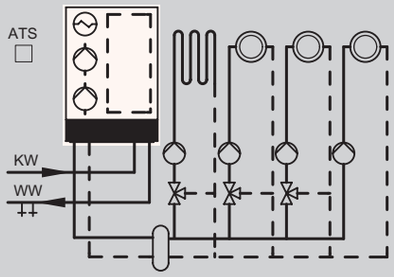
The appliances are tested and approved for natural gas and LPG to EN 15502.

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**

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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 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.

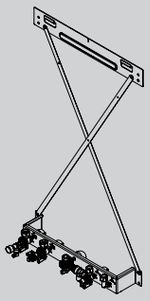
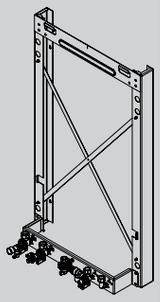
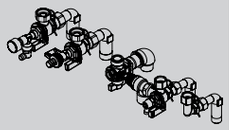
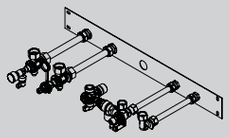
►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

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.

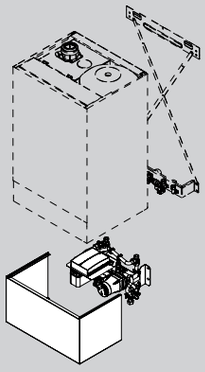
In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►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**

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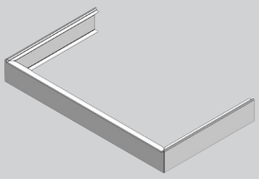
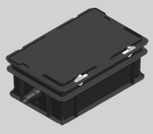
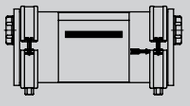
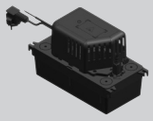
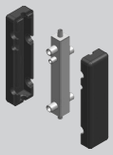
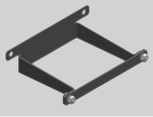
Accessories		
Valve/fittings covers		MG W
Valve/fittings cover For 600 mm wide appliances. 	ZK04938 **201,–**	Part no. **Euro**
Neutralising systems		MG W
Neutralising system with wall mounting bracket ■ For condensing boilers up to 35 kW ■ With neutralising granulate ■ With connection elbows for DN 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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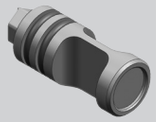
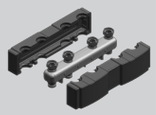
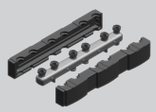
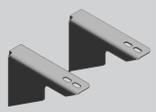
Accessories

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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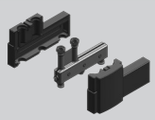
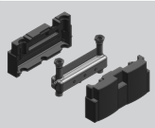
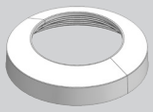
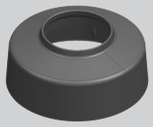
Accessories

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.

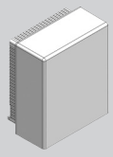
Balanced flue system

		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**

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**

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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 ■ 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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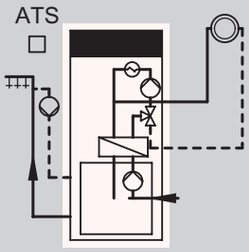
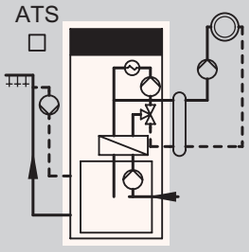
VITODENS 222-F

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

Heating system	Control unit (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 ■ 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**

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.*

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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

	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

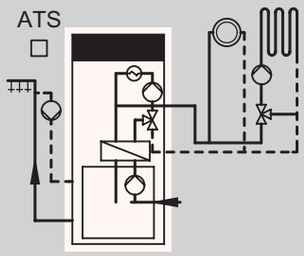
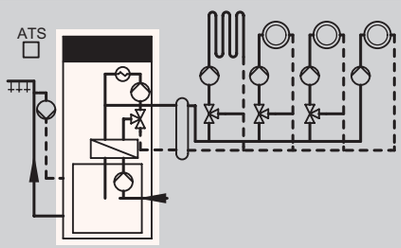
The appliances are tested and approved for natural gas and LPG to EN 15502.

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 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 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.*

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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**

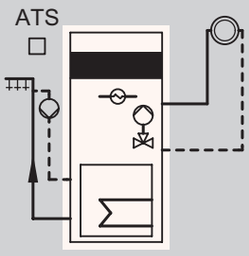
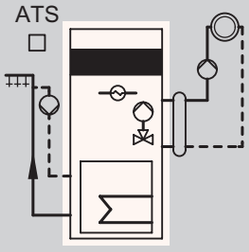
Specification						
Length		595	595	595		mm
Width		600	600	600		mm
Height		1400	1400	1400		mm
Weight		112	112	112		kg
Cylinder capacity		100	100	100		l
Draw-off rate		20.3	23.8	25.9		l/min
Flue gas connection		60	60	60		Ø mm
Ventilation air connection		100	100	100		Ø mm
DHW output		22.0	28.6	33.9		kW

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 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 ■ 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**

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

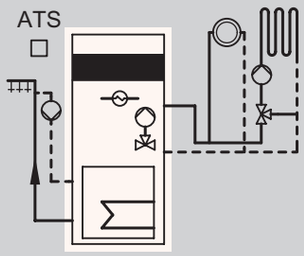
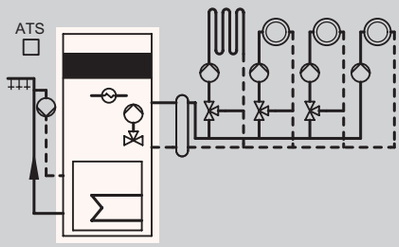
The appliances are tested and approved for natural gas and LPG to EN 15502.

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**

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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 **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**

4.9

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.

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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.

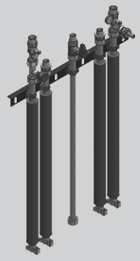
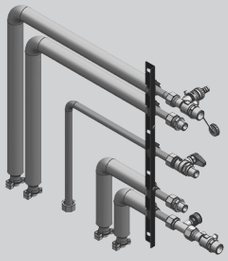
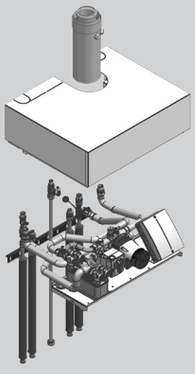
►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

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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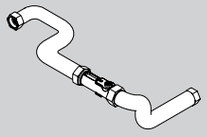
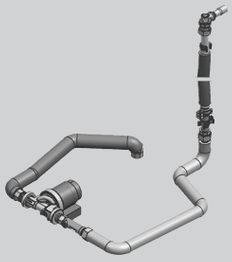
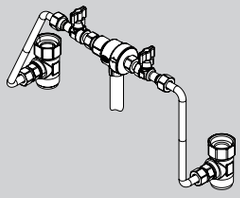
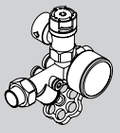
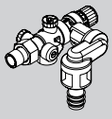
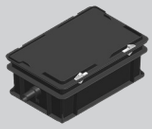
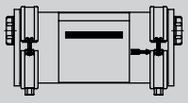
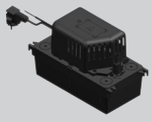
Accessories		
Hydraulic accessories		MG W
Line regulating valve with flow indicator For hydronic balancing of the heating circuits. *For installation in the assembly kit.* 	7452078 **153,–**	Part no. **Euro**
Connection set for DHW circulation pump For installation in the appliance. ■ High efficiency 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

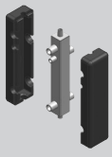
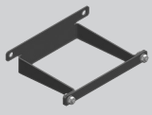
Neutralising systems

		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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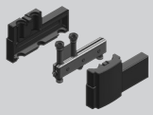
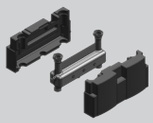
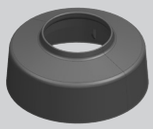
Accessories

Divicon accessories

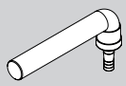
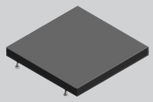
Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Low loss header for Divicon Flow rate up to 4.5 m³/h. Connection to the manifold. ■ With thermal insulation (black) ■ With integral sensor well 	7460649 **343,–**	**–**	Part no. **Euro**	
Low loss header for Divicon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

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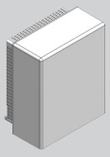
Accessories		
Remote control units		MG Y
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, the Vitotrol 300-E can also be supplied with power via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available 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.

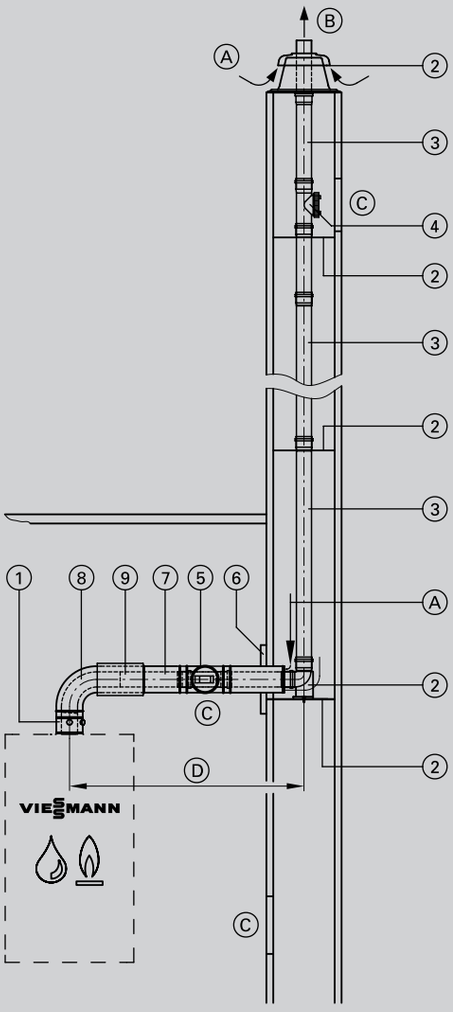
►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

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.

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Flue systems, room sealed

Made from plastic (PPs)
With flexible flue pipe

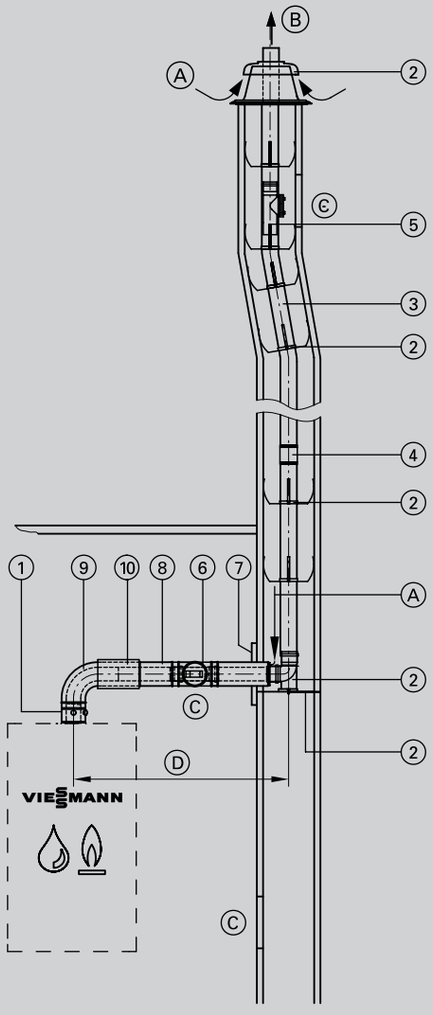
Balanced flue system

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

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

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)
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	13	16	16	20	—	—		m
■ System size 110/150	—	—	—	—	20	20		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

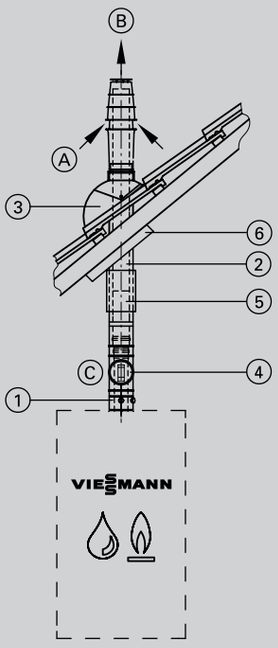
Made from plastic (PPs)

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**

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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

	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

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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

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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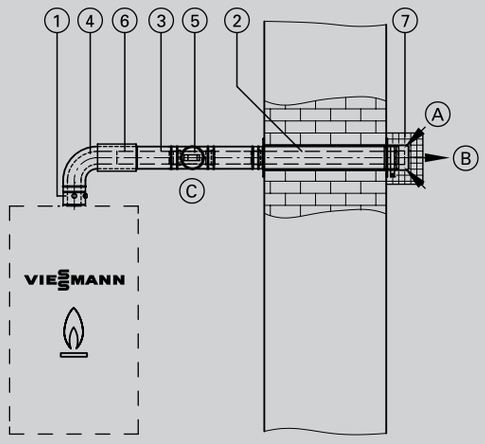
Balanced flue system

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**

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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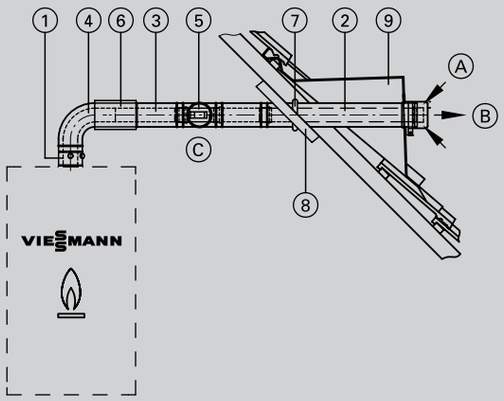
Balanced flue system

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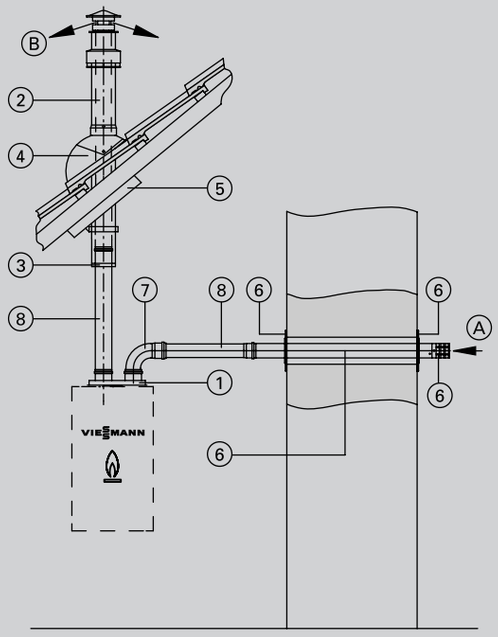
Balanced flue system
For room sealed operation
Parallel ventilation air and flue gas routing

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**

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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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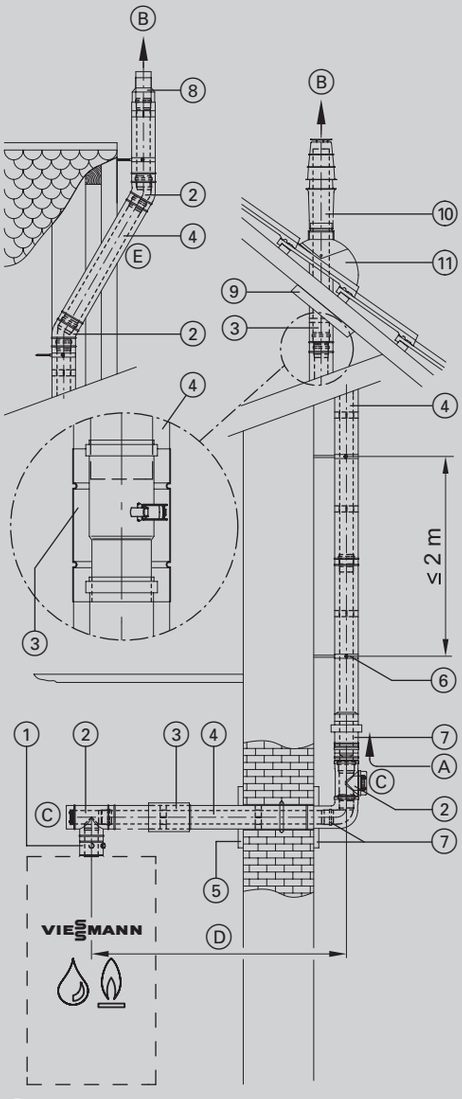
Balanced flue system

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**

4.10

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**

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

4.10

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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

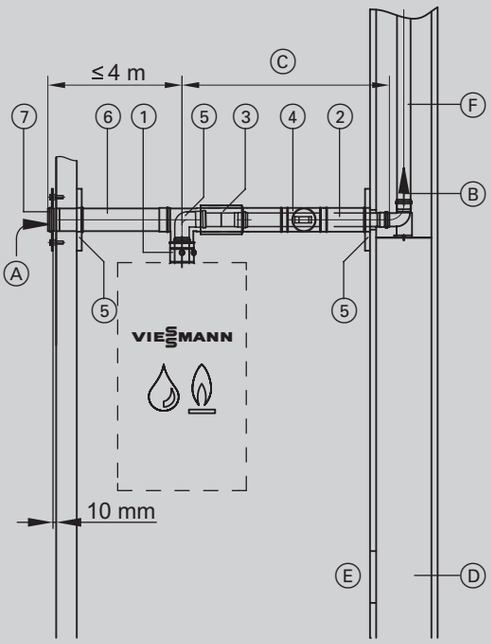
For appliances up to 60 kW
Made from plastic (PPs)

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

4.10

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

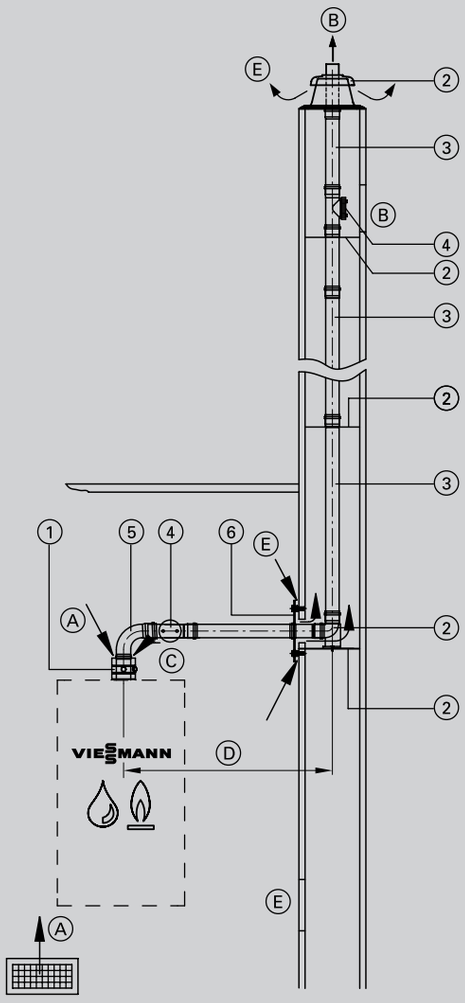
System pipes

		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

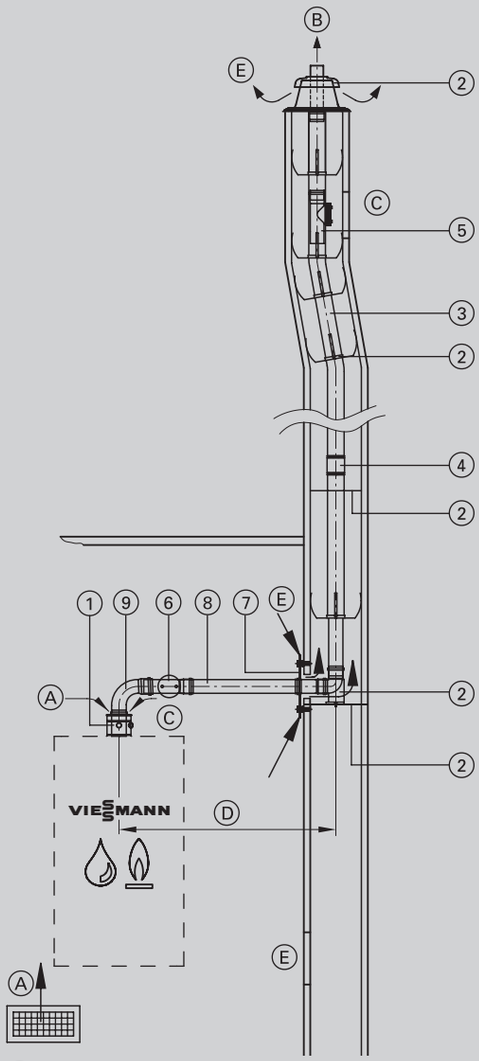
Flue system

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

MG WZ

	System size	60	80	110	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.

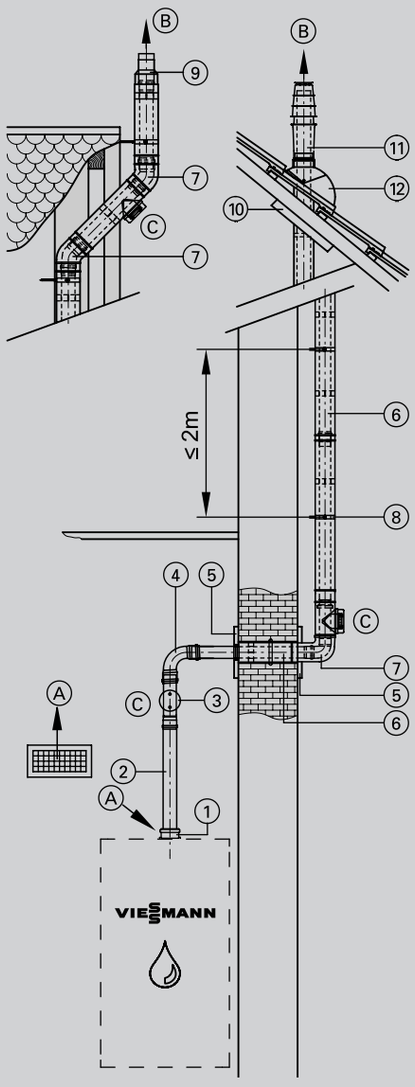
Flue systems, open flue

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**

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

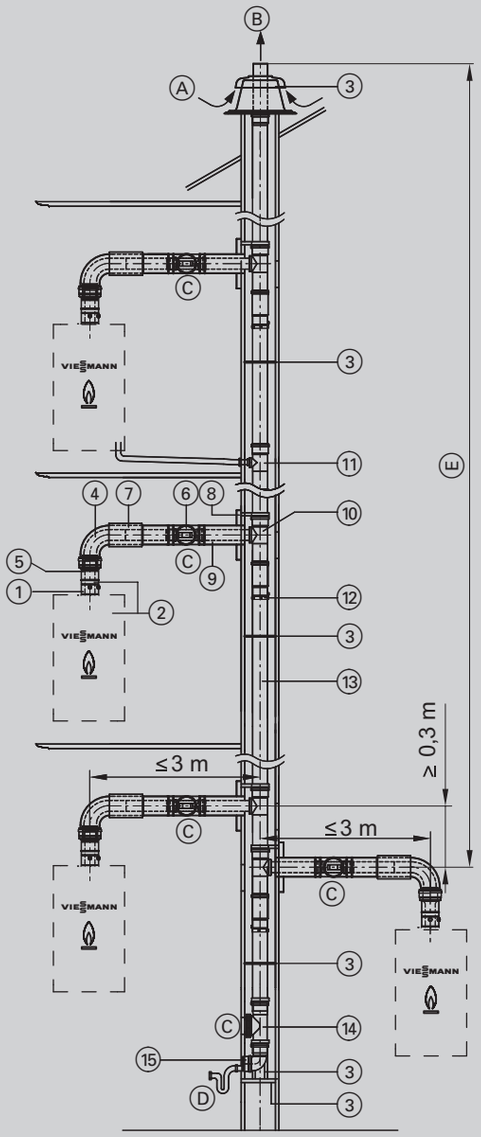
For Vitodens 050-W/100-W/111-W/111-F up to 32 kW
For Vitodens 200-W/222-W/222-F/242-F up to 32 kW
Made from plastic (PPs)
With rigid flue pipe

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

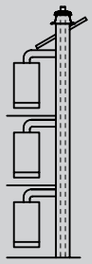
For routing multiple pipes through a room sealed balanced flue (balanced flue chimney, positive pressure) (Type $C_{14(3)x}$ to CEN/TR 1749), CE approval to DIN EN 14471

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

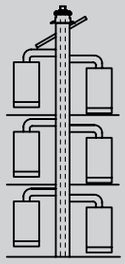
Balanced flue system

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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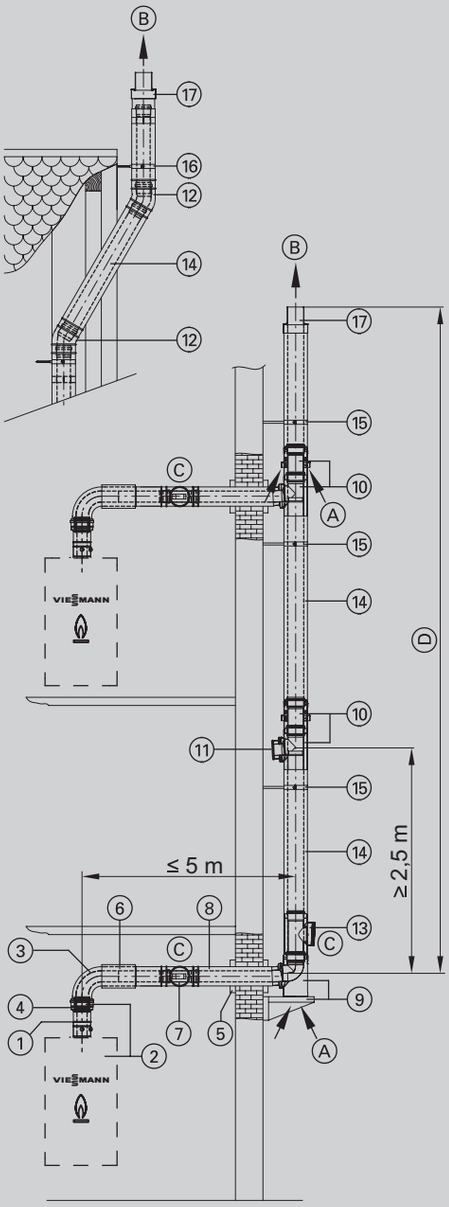
Balanced flue system

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

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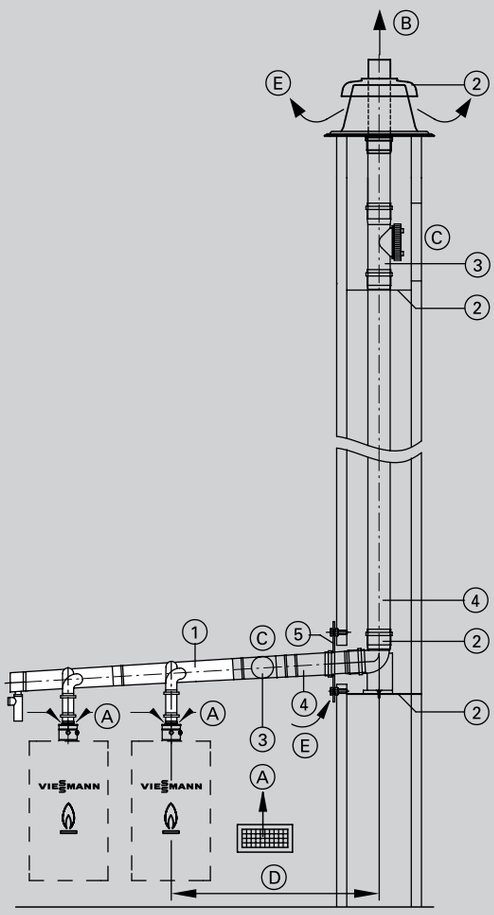
Flue systems for multiple connection/cascade

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

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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