Vitocrossal 300 (26 to 60 kW) **3.1**

3

Viessmann's integrated range of solutions

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

3

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

Gas condensing boiler
4,7 to 60 kW

Vitocrossal 300

Type CU3A

Gas condensing boiler for natural gas and LPG

With modulating MatriX gas burner and Lambda Pro Control
Combustion controller

Permissible operating pressure 3 bar (0.3 MPa)

Product ID: CE-0085BN0570

- Seasonal central heating energy efficiency up to 94 % (H_s) [gross cv] (label A)
- Stainless steel Inox-Crossal heat exchangers for efficient utilisation of condensing technology – self-cleaning effect through smooth stainless steel surfaces
- Modulating MatriX gas burner with a wide modulation range down to 20 % for particularly quiet, economical and environmentally responsible operation
- Lambda Pro Control combustion controller for all gas types – saves on costs by extending the inspection interval to 3 years
- Excellent controllability and reliable heat transfer through wide water galleries and large water content
- Easy to operate Vitotronic control unit with plain text and graphic display
- Balanced or open flue operation
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps
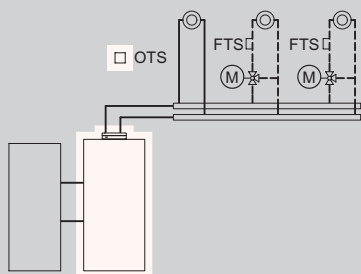
VITOCROSSAL 300

Heating system	Control unit

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

Vitotronic 200
Type KW6B, for weather-compensated operation

With control unit for one heating circuit without mixer and two heating circuits with mixer.
- Weather-compensated, digital boiler and heating circuit control unit
- With digital time switch with individual day and seven-day program
- With separately adjustable time periods, heating curves, set temperatures and heating programs
- With cylinder temperature controller and sensor
- With integral diagnostic system and additional functions
An extension is required for each **heating circuit with mixer**:
Mixer extension kit (mixer mounting)
Part no. ZK02940   **Euro 652,–   MG W**
Mixer extension kit (wall mounting)
Part no. ZK02941   **Euro 428,–   MG W**

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

░ Standard delivery:

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

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

Burner versions Fuel	Rated heating output (kW) at heating water temperature 50/30 °C or 80/60 °C					MG WG
	5.2 - 26.0 4.7 - 24.0	7.0 - 35.0 6.3 - 32.3	12.0 - 45.0 10.9 - 41.6	12.0 - 60.0 10.9 - 55.5		
MatriX gas burner Natural gas E (H) Natural gas LL LPG P	CU3A038 **8.926,–** ⟨A⟩	CU3A039 **9.759,–** ⟨A⟩	CU3A040 **11.234,–** ⟨A⟩	CU3A041 **13.353,–** ⟨A⟩		Part no. **Euro** Energy

Specification						
Length	684	684	801	801		mm
Width	660	660	660	660		mm
Height	1562	1562	1562	1562		mm
Weight	122	125	155	160		kg
Flue gas connection	80	80	110	110		Ø mm
Ventilation air connection	125	125	150	150		Ø mm

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

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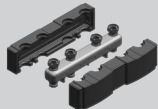
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DHW cylinder

Accessories

Vitocell 100-V

			MG WH
Vitocell 100-V, type CVAA DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 26 kW rated heating output.		Z018463 **1.105,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 160 litre capacity ■ Steel with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 26 kW rated heating output.		Z018465 **1.243,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAA DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 45 kW rated heating output.		Z018467 **1.142,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVAB-A DHW cylinder ■ 200 litre capacity ■ Steel with Ceraprotect enamel coating ■ Highly efficient thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers up to 45 kW rated heating output.		Z018642 **1.282,–** A	Part no. **Euro** Energy
Vitocell 100-V, type CVAB DHW cylinder ■ 300 l capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Recommended for boilers with 45 to 60 kW rated heating output.		Z021911 **1.464,–** B	Part no. **Euro** Energy
Vitocell 100-V, type CVA DHW cylinder ■ 500 litre capacity ■ Steel with Ceraprotect enamel coating ■ Standard thermal insulation ■ Colour: Vitosilver Order system connection separately. Order system connection separately. Recommended for boilers with 45 to 60 kW rated heating output.		Z002576 **2.885,–** B	Part no. **Euro** Energy

System connections (suitable for the above DHW cylinders)

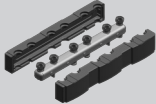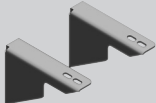|			MG WH
System connection ■ Connecting cables ■ High efficiency circulation pump, fully wired ■ Check valve		ZK00892 **694,–**	Part no. **Euro**

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Accessories

Heating circuit

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

Divicon accessories

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

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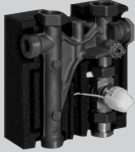6221400 Gesamtpreisliste LT-en.indb   5   29.01.2024   08:15:46

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Accessories

Accessories

Divicon accessories

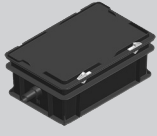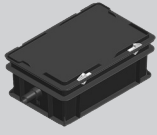| Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG **W**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)	7465439 **60,–**			Part no. **Euro**

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

Heating circuit

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

Accessories

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

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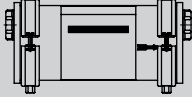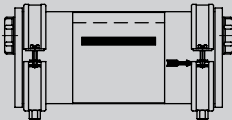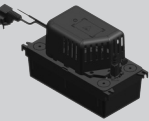
Accessories

Safety assembly

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

Heating circuit

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

Neutralising systems

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

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Accessories

Accessories

Neutralising systems

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

Condensate removal pumps

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

Accessories

Gas shut-off valves

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG **W**
Gas shut-off valve R ¾ With thermally activated safety shut-off valve	7197451 **69,–**						Part no. **Euro**

Sensors

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	MG **W**
CO limiter ■ For safety shutdown of the boiler if carbon monoxide escapes ■ Can be used for boilers built from 2004 onwards	Z015500 **245,–**						Part no. **Euro**

Miscellaneous

Rated boiler heating output range (kW)	13.0	19.0	26.0	35.0	45.0	60.0	
Service box ■ Protective box for service folder with system documentation ■ Can be fitted to the heat generator or the wall ■ Colour: Vitosilver	7334502 **12,60**						Part no. **Euro** MG **N**
Flue gas intermediate piece Ø 80 x 175 mm Extension for boiler flue connection	ZK05735 **13,–**				**–**		Part no. **Euro** MG **WZ**
Coaxial flue gas intermediate piece Ø 80/125 x 175 mm Extension for boiler flue connection	ZK05975 **61,–**				**–**		Part no. **Euro** MG **W**

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Control unit accessories

Accessories		

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

Function extensions		MG **W**
The function of the integral Vitotronic can be extended with the following accessories. Internal H1 or H2 extensions are installed in the Vitotronic and each performs a safety function plus one additional function (see description). ■ An external safety solenoid valve can be connected with the internal H1 extension. ■ The internal H2 extension can be used for external extractor interlock. Only **one** internal extension can be installed in the Vitotronic. Where additional functions are required for the heating system, use the EA1 extension (see description). One internal extension can be combined with the EA1 extension.		
Internal H1 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ Connection of an external safety solenoid valve (LPG) ■ Connecting a central fault message	7436476 **105,–**	Part no. **Euro**
Internal H2 extension PCB for installation in the control unit. The following functions can be achieved with the extension: ■ External extractor interlock ■ Connecting a central fault message	7436477 **105,–**	Part no. **Euro**

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Accessories		
Function extensions		**MG W**

EA1 extension
Function extension inside enclosure for wall mounting.
Using the inputs and outputs allows up to 5 functions to be achieved:
1 analogue input (0 to 10 V)
■ Specification of set boiler water temperature
3 digital inputs
■ External changeover of the operating status for heating circuits 1 to 3 on the weather-compensated control unit
■ External blocking
■ External blocking with central fault message
■ Minimum boiler water temperature demand
■ Fault messages
■ Brief operation of the DHW circulation pump in systems with weather-compensated control unit
1 switching output (floating changeover contact)
■ Issuing a central fault message
■ Feed pump connection to a substation

7452091
227,–

Part no.
Euro

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

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

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