



ELECTRIC BOILER

Heating without fossil fuels
VITOTRON 100



Convenient electric heating

The Vitotron 100 makes its mark through simple installation, safe operation and convenient control.

Electric boilers are the efficient solution for decentralised heat generation in buildings without a gas connection.



Electric boilers are practical, safe and environmentally responsible heat generators.

Aesthetically pleasing and easy to install

Installing the Vitotron 100 electric boiler is inexpensive and does not require a gas connection, chimney, boiler room or fuel store – a power connection is all that is needed. The weather-compensated control unit (type VMN3) ensures effective control and does not need to be adjusted manually. An actual efficiency level of 99.4 percent ensures energy saving operation.

Electric boilers can be used in buildings as primary heat generators as well as for central heating backup. With low running costs, the Vitotron 100 simultaneously offers a high level of user comfort and, with its frost protection function, ensures that the home does not cool down too much at very cold outside temperatures or during long absences (for example in holiday homes). These small appliances with their attractive design can be installed practically anywhere.

A modular extension kit allows the boiler to be used both for central heating and hot water. The Vitotron 100 can work with central heating systems and DHW cylinders of all types.

The Vitotron 100 comes with a 5 litre diaphragm expansion vessel and the necessary safety devices. In combination with a DHW cylinder, it is possible to regulate the water temperature according to the daily and weekly settings, and to control a circulation pump.



Easy to use boiler control unit

VITOTRON 100
from 4 to 24 kW

Heating without fossil fuels

Solid fuels are an inexpensive option, but not the most practical one. With solid fuel boilers, for example, fuel must be added regularly and the combustion chamber cleaned periodically. Further disadvantages are that a solid fuel boiler should not be operated unattended, and the living space may cool down during longer absences. These problems are eliminated when an electric boiler is used to generate heat. The Vitotron 100 switches on when the temperature falls below an individually set minimum temperature, allowing it to keep the room temperature in the comfort range.

Heat storage

The use of an electric boiler in conjunction with a hot water buffer cylinder ensures convenient and inexpensive heating with relatively low system costs. **Using the G12 or G12w electricity tariff and the heat accumulation system, heating costs can be significantly reduced (only available in Poland – please check for your county!).**

The automatic system can be controlled externally, which means that it can be used alongside a photovoltaic system, for example. This allows the boiler to be operated even more cost-effectively, as priority is given to using the free, self-generated energy from the roof. The combination of heat storage and free energy from a photovoltaic system enables very low running costs.



If the Vitotron 100 electric boiler is used for central heating backup, the running costs are only slightly higher. However, the benefits of greater ease of use for the entire system are substantial.



Auxiliary module for controlling a heating circuit. Up to eight modules can be controlled via one Vitotron 100.

TAKE ADVANTAGE OF THESE BENEFITS




- + Using the control unit, the water temperature in the heating circuit can be set to between 20 and 85 °C
- + Automatic modulation of the heating output according to the heat demand
- + The boiler can be operated with central heating systems and DHW cylinders with indirect coils
- + The weather-compensated control unit ensures energy efficient boiler operation through automatic adjustments to reflect changes in the outside temperature
- + Temperatures in the heated areas can be programmed in 24 hour and 7 day cycles using the control unit



VITOTRON 100

- 1 Modulating instantaneous water heater
- 2 Constant (VLN3) or weather-compensated (VMN3) control unit, both with optional DHW heating
- 3 High efficiency pump
- 4 Safety valve
- 5 Safety temperature limiter
- 6 Pressure sensor

Electric boiler **VITOTRON 100**

		Vitotron 100	Vitotron 100
Supply voltage	V	230 V~ or 400 V~ 3 N (three-phase)	400 V~ 3 N (three-phase)
Rated output	kW	4 / 6 / 8	12 / 16 / 20 / 24
Permissible pressure	MPa	0.3 (3 bar)	0.3 (3 bar)
Outlet temperature	°C	20 to 85	20 to 85
Permissible temperature	°C	100	100
Dimensions			
Height	mm	716	716
Width	mm	316	316
Depth	mm	235	235
Weight	kg	20.5	20.5
Energy efficiency class			



PRODUCT FEATURES

- Electric boiler with 4 to 24 kW rated output
- Boiler for central heating only or for central heating including DHW heating
- Both versions suitable for room temperature-dependent operation (control unit type VLN3) or weather compensation (control unit type VMN3)
- Actual efficiency of 99.4 %

Your trade partner