



VIESSMANN

WALL-MOUNTED ELECTRIC BOILER

Heating without fossil fuels, for residential applications

VITOTRON 100, VLN2



Plug-and-play electric heating

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

The Vitotron 100 is the easiest way to add hydronic space heating to new and existing systems, with a space saving design and integrated components for a fast and simple installation.



Vitotron 100, VLN2 electric boiler is an environmentally responsible and efficient heating source.

Aesthetically pleasing and easy to install

The compact profile and integrated control unit of the Vitotron 100, VLN2 electric boiler make it a welcome addition to any space. With efficient operation and advanced controls, the Vitotron 100 offers superior design, perfect for low temperature heating in space restrictive areas like closets and small mechanical rooms.

Without venting and gas connections, the small plug-and-play device can be installed practically anywhere. Installing the Vitotron 100, VLN2 electric boiler does not require a gas connection, chimney or boiler room – all that is needed is a power source.

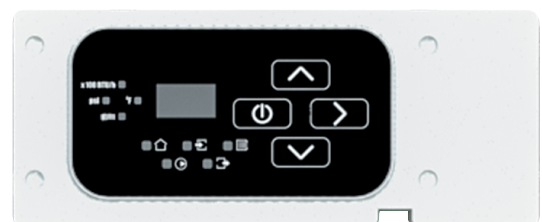
The weather-compensated control unit utilizes an outdoor temperature sensor, and heating curves ensure effective control by automatically adjusting the water temperature according to the outside temperature. The heating curves and operating efficiencies up to 99.4% ensure energy savings far above typical electric space heating.

The Vitotron 100 comes with a 1.32 Gal (5 L.) diaphragm expansion vessel. The VLN2 can be used with an outdoor

temperature reset sensor with a thermostat start/stop control and fixed set-point. Both the internal circulator and an external circulating pump can be powered directly from the boiler.

Low maintenance and perfect for small vacation homes and additions

When an electric boiler is used to generate heat, the risk of system freezing due to long absences is eliminated. The Vitotron 100 automatically switches on when the temperature falls below an individually set minimum temperature, allowing it to keep the room in a comfortable temperature range. Automatic outdoor temperature sensor and warm weather shutdown can be used to keep remote locations warm without using excess energy.



Easy-to-use control unit

VITOTRON 100

13.6 - 49.1 MBH

4.0 - 14.4 kW

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. The VLN2 can be used as a backup to a heat pump or used to maintain a storage tank to take advantage of off-peak utility rates. The boiler features an external shutdown input which can be used in conjunction with hybrid systems and utility Home Energy Management Systems.

The VLN2 is also a perfect partner for photovoltaic systems and as a backup to solar thermal systems. This allows the boiler to be operated even more cost-effectively, as priority is given to using the available, self-generated energy from the roof. The combination of heat storage and free energy from a photovoltaic system enables very low running costs.



The Vitotron 100 is perfect for well insulated homes and can also be installed in dual fuel application such as cold climates where gas backup is necessary.

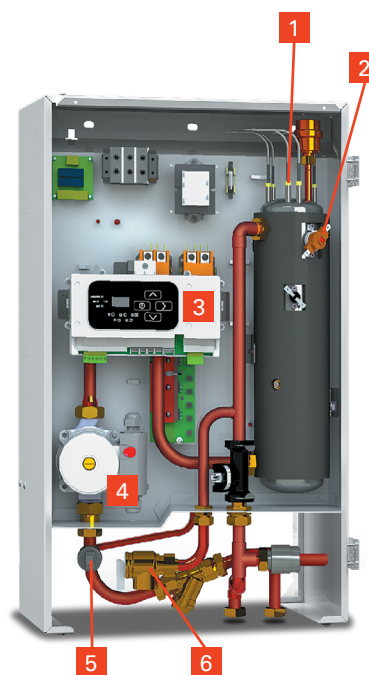


PRODUCT FEATURES

- + Electric boiler with 4 to 14.4 kW rated output
- + Boiler for central heating only
- + All models use a thermostat for start/stop; outdoor reset can be used in addition
- + Actual efficiency of 99.4 %

BENEFITS AT A GLANCE

- + Using the control unit, the water temperature in the heating zone can be set to between 85°F and 140°F (29.4°C and 60°C)
- + Automatic modulation of the heating output according to the heat demand
- + Fits in small spaces and can be utilized as a backup or as a primary low temp heat source
- + The weather-compensated control unit ensures energy efficient boiler operation through automatic adjustments to reflect changes in the outside temperature



VITOTRON 100, VLN2

- 1 Modulating instantaneous submersible heating elements
- 2 Safety temperature limiter
- 3 Thermostat controlled and weather-compensated control unit
- 4 High efficiency pump
- 5 Pressure sensor
- 6 Safety valve

Technical Information

VITOTRON 100, VLN2

Viessmann Manufacturing
 Company (US) Inc.
 Warwick, RI
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| | | VLN2-04 | VLN2-06 | VLN2-08 | VLN2-12 | VLN2-14.4 |
|----------------------------------|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Boiler Rated Power | kW | 4 | 6 | 8 | 12 | 14.4 |
| | Btu/h | 13,652 | 20,478 | 27,304 | 40,956 | 49,147 |
| Voltage | V | 240 | 240 | 240 | 240 | 240 |
| Rated Current | A | 16.66 | 25.0 | 33.3 | 50.0 | 60.0 |
| Breaker Quantity Amps | A | 1 @ 30 amp | 1 @ 40 amp | 1 @ 50 amp | 1 @ 60/70 amp | 1 @ 80 amp |
| Heating Elements | Qty | 3 | 3 | 3 | 3 | 3 |
| Element Resistance / each | Ω | 43.3 | 28.8 | 21.6 | 14.4 | 12.0 |
| Weight | Lbs. | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| | kg | 31 | 31 | 31 | 31 | 31 |
| Overall dimensions | | | | | | |
| Depth | Inches | 9 ⁷ / ₈ | 9 ⁷ / ₈ | 9 ⁷ / ₈ | 9 ⁷ / ₈ | 9 ⁷ / ₈ |
| | mm | 251 | 251 | 251 | 251 | 251 |
| Width | Inches | 17 | 17 | 17 | 17 | 17 |
| | mm | 432 | 432 | 432 | 432 | 432 |
| Height | Inches | 28 | 28 | 28 | 28 | 28 |
| | mm | 711 | 711 | 711 | 711 | 711 |
| Minimum Flow Rates | gpm | 1.1 | 1.32 | 1.32 | 1.32 | 1.32 |

