

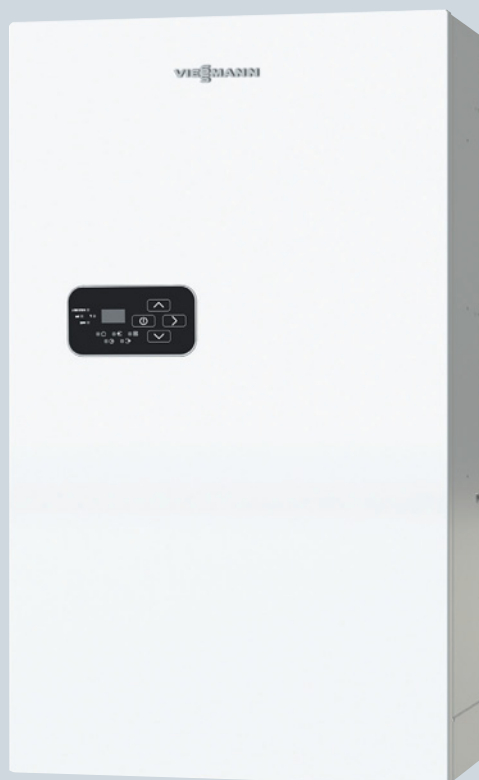


VIESSMANN

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 low temperature heating boiler is environmentally responsible and efficient heating source.

Aesthetically pleasing and easy to install

Installing the Vitotron 100, VLN2 electric boiler does not require a gas connection, chimney or boiler room – a power source is all that is needed. The weather-compensated control unit utilizes an outdoor temperature sensor and heating curves, ensures effective control and adjusts the water temperature automatically according to the outside temperature.

The heating curves and operating efficiencies up to 99.4 percent ensure energy savings over typical electric space heating.

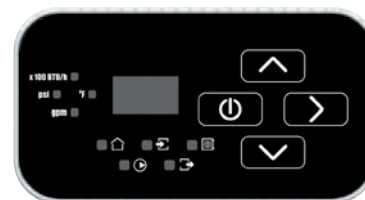
With efficient operation and advanced controls, the Vitotron 100 simultaneously offers a high level of user comfort and, is perfect for low temperature heating applications in space restrictive areas like closets and small mechanical rooms. Without venting and gas connections the small plug and play devices can be installed practically anywhere.

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.

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 and outdoor reset can be used in addition
- + Actual efficiency of 99.4 %



Easy to use boiler control unit

VITOTRON 100

13.6 - 49.1 MBH

4.0 - 14.4 kW

Low maintenance and perfect for small vacation homes and additions

Automatic outdoor temperature sensor and warm weather shutdown can be used to keep remote locations warm without using excess energy. 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. 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 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 free, self-generated energy from the roof. The combination of heat storage and free energy from a photovoltaic system enables very low running costs.

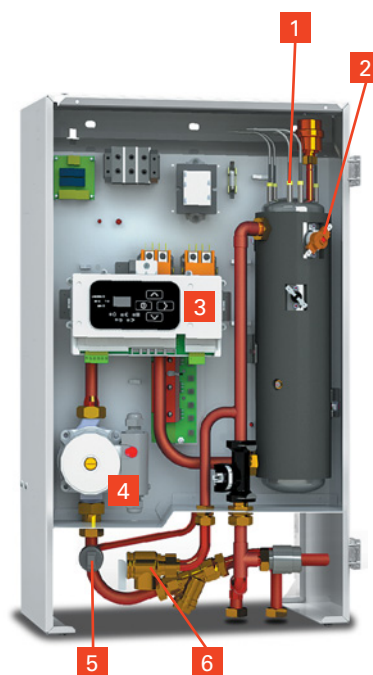


The Vitotron is perfect for well insulated homes and can also be installed in dual fuel application such as cold climates where gas backup is necessary.



TAKE ADVANTAGE OF THESE BENEFITS

- + 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

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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

