

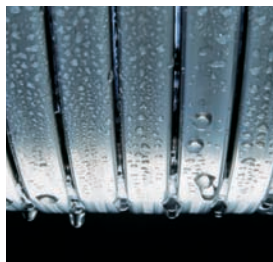
Wall mounted gas condensing boiler
VITODENS 100-W

VIESSMANN
climate of innovation



Heating systems ◀
Industrial systems
Refrigeration systems

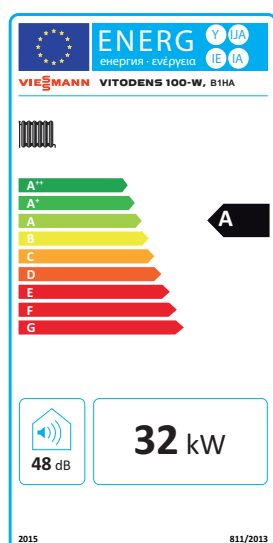
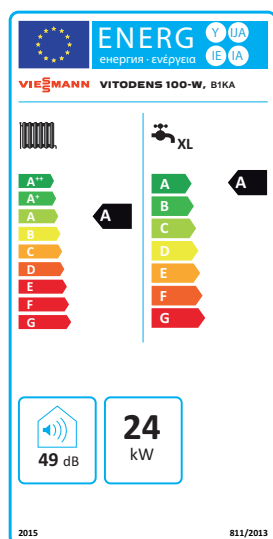
Gas condensing technology



Inox-Radial heat exchanger - durable and efficient

10 Year Warranty

on all stainless steel heat exchangers for gas condensing boilers up to 150 kW



Vitodens 100-W 6.5 to 35 kW

The Vitodens 100-W can easily be integrated into living areas due to its compact dimensions and quiet operation.

Reliable and durable - Made in Germany

As a major manufacturer, with many years of experience in the manufacture of wall mounted boilers we know what matters. Even when attractively priced, our standards of product quality and performance are consistently implemented. Therefore Viessmann wall hung boilers are not only renowned for innovative technology and services, but particularly for reliability and longevity.

Multiple use of a chimney

Modernisation of decentralised heating systems within the housing sector usually leads to elaborate renovations. With the Vitodens 100-W gas condensing boiler from Viessmann, end of life heating devices can be quickly and easily replaced. Using a Viessmann combined flue system (CFS) means numerous boiler flues can be routed up the riser to one roof termination point. The Vitodens 100-W boilers have combined PRV and condensate connections that can also be routed in to the CFS, and one single drain at the base of the system is all that is needed to remove the condensate, without unsightly pipes protruding through the external walls.

Service and maintenance

AquaBloc combines all hydraulic components into one compact unit, to make all serviceable parts easily accessible from the front of the boiler, cutting down on servicing time and cost.

Long service life through stainless steel MatriX mesh

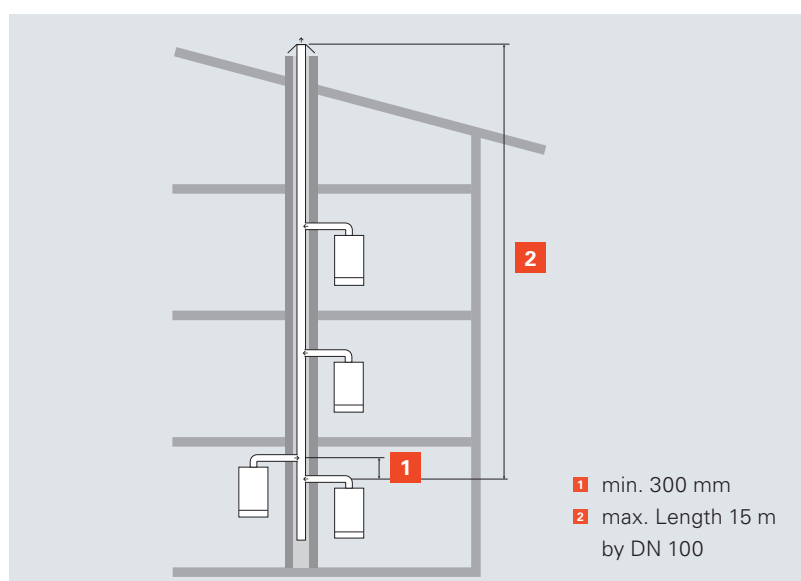
The modulating MatriX cylinder burner developed and produced by Viessmann ensures consistently high energy efficiency and long life thanks to its stainless steel MatriX mesh.

High DHW convenience

The electronic temperature regulator ensures a high tap performance and discharge temperature on the combi boiler.

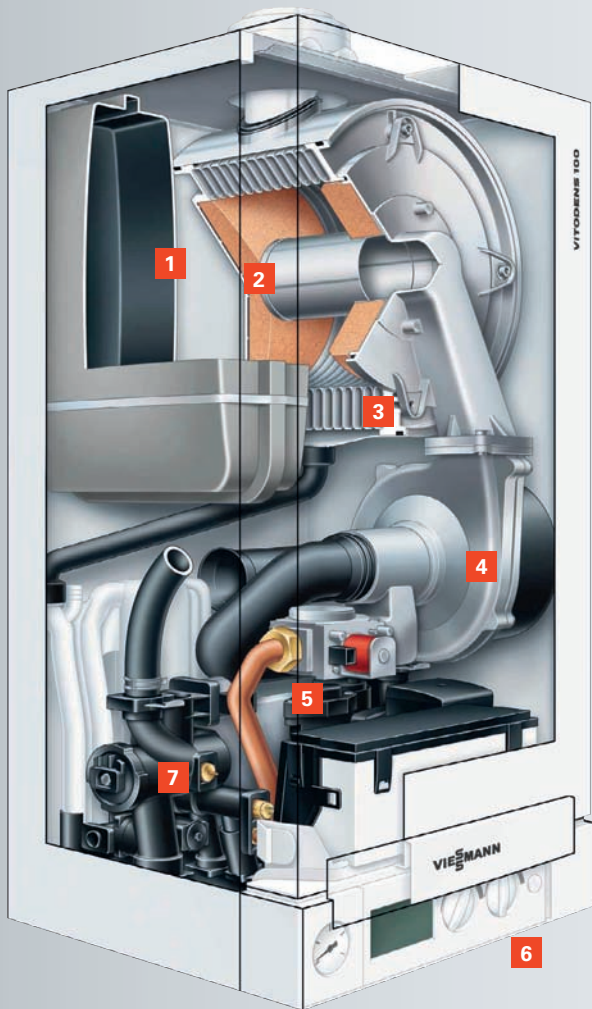
Easy to control

All functions are easily operated by hand, with fast adjustment of the heating and DHW temperature. The Vitodens 100-W is supplied with an LCD display control unit, featuring a built-in diagnostic system and frost protection. When connected to an outdoor temperature sensor the boiler switches automatically to the weather compensation mode.



Modernising heating in apartment buildings - numerous boiler flues into one riser are possible with the combined flue system

5 year warranty as standard
Option to increase up to 10 years*

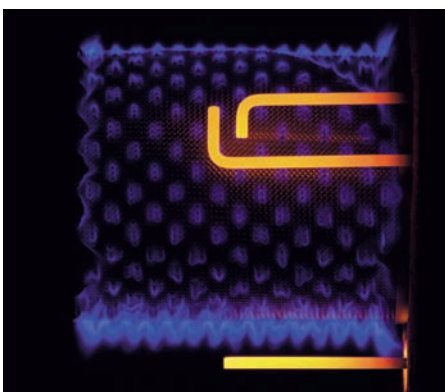


Vitodens 100-W

(gas condensing combi boiler shown)

- 1 Integral expansion vessel
- 2 Modulating MatriX cylinder burner
- 3 Inox-Radial heat exchanger made of stainless steel - for high operational reliability, a long service life and great heat output in the smallest space
- 4 Variable speed fan for low-noise and energy-saving operation
- 5 Plate heat exchanger for comfortable DHW heating (for combi boilers)
- 6 Controller with integrated diagnostics
- 7 Combined PRV and condensate connection

The compact gas condensing wall mounted Vitodens 100-W is available as a System or Combi boiler.



Modulating MatriX cylinder burner for long service life

Take advantage of these benefits

- Gas-fired wall mounted unit is from 6.5 to 35 kW
- Standard efficiency: up to 98% (Hs) / 109% (Hi)
- Modulation range up to 1:4
- Modulating MatriX cylinder burner with a long service life through stainless steel MatriX mesh
- Simple operation with programmable control and large display
- Constant temperature control and weather-compensated operation (for the weather-compensated operation the outside temperature sensor is required)
- Integrated power-saving variable speed high efficiency circulation pump (A rated)
- Multiple boilers can be installed on one chimney system
- 5 year comprehensive parts and labour warranty on the boiler
- 10 year warranty on the unique Viessmann Inox-Radial heat exchanger
- Viessmann Trained Installers can offer their customers the option of extending their boiler warranty for up to 10 years*

Technical Data Vitodens 100-W

Gas fired condensing System boiler	Type	B1HA	B1HA	B1HA	B1HA			
Gas fired condensing Combi boiler	Type	–	–	–	–	B1KA	B1KA	B1KA
Rated output range (50/30 °C)	kW	6.5 – 19	6.5 – 26	8.8 – 30	8.8 – 35	6.5 – 26	8.8 – 30	8.8 – 35
Rated output range (80/60 °C)	kW	5.9 – 17.3	5.9 – 23.7	8.0 - 27.3	8.0 - 31.9	5.9 – 23.7	8.0 - 27.3	8.0 - 31.9
Dimensions								
Length (depth)	mm	350	350	350	350	350	350	350
Width	mm	400	400	400	400	400	400	400
Height	mm	700	700	700	700	700	700	700
Weight	kg	35	36	36	36	36	36	36
Heat exchanger water content	Litre	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Rated output range for DHW heating	kW	–	–	–	–	5.9 – 29.3	8.0 - 30	8.0 - 35
Energy Efficiency Class		A	A	A	A	A	A	A

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