

Gas condensing technology

# VITODENS 100-W P25/P29

**VIESSMANN**

climate of innovation



**5 Year Warranty**  
on boilers purchased & installed  
before 31st December 2013

## Gas condensing technology

## Vitodens 100-W P25/P29 6.1 to 29 kW



Inox-Radial heat exchanger - durable and efficient

The gas fired condensing boilers Vitodens 100-W P25/P29 offer high heating and DHW comfort at a good price/performance ratio.

The gas fired condensing boiler is suitable for installation in any home where there is limited space. The Vitodens 100-W is ideal for a flat or small family home. It can easily be sited in an alcove in the bathroom, kitchen or utility room.

When it comes to the economy and durability of a heating system nothing is better than stainless steel. For this reason the Vitodens 100-W is equipped with the Inox-Radial stainless steel heat exchanger, which provides the required reliability and the guarantee of a long life for the condensing boiler.

### Up to 97 percent efficiency

The Vitodens 100-W consumes less energy because it uses the additional heat from the exhaust gases. The result is an efficiency of up to 97 percent. This will reduce your heating costs and be good for the environment.

### Robust burner with long term efficiency

The MatriX cylinder burner developed and produced by Viessmann ensures high efficiency because of its stainless steel MatriX mesh that results in hundreds of tiny flames rather than one large one, which ensures Nitrogen Oxide production is kept to a minimum.

### Comfort control with integrated diagnostic system

The Vitodens 100-W is supplied with a Vitotronic control unit, featuring a built-in diagnostics system and frost protection. When connected to an outdoor temperature sensor the boiler switches automatically to the weather compensation mode, for additional gas savings of up to 12%. The dials are easy to operate and enable fast adjustment of the heating and DHW temperature.

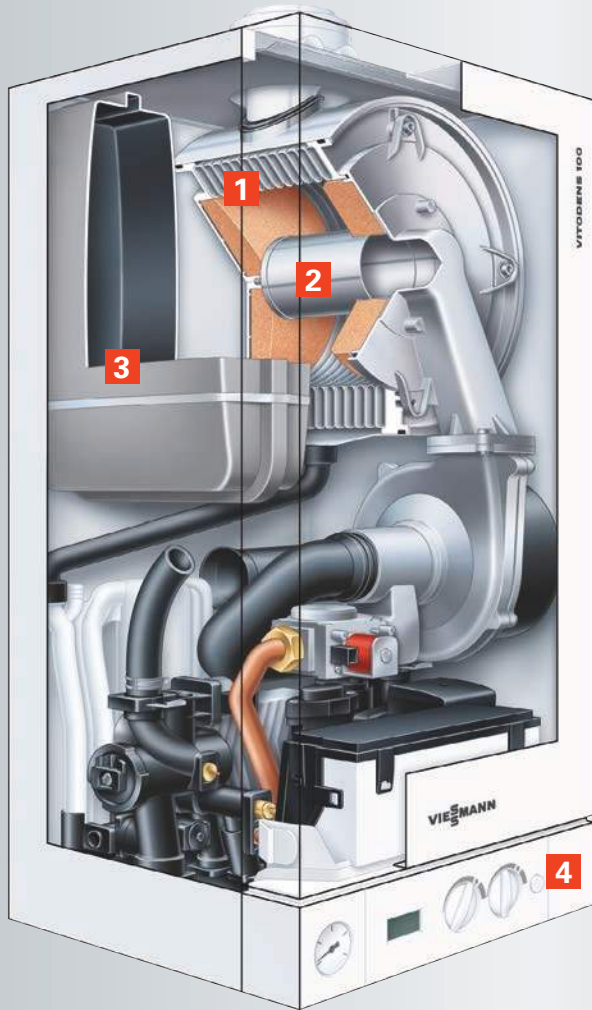
### Extremely easy to maintain and service

Maintenance and service time of this gas fired condensing boiler is minimal due to all components being easily accessible from the front. All components such as hot water expansion vessel, pumps and safety valves are already installed ex works.



Control with integrated diagnostic system

- 1 Pressure gauge
- 2 LCD display
- 3 Dial for hot water temperature
- 4 Dial for central heating water temperature
- 5 On/off button with reset function



- 1 Innox-Radial stainless steel heat exchanger
- 2 MatriX cylinder burner
- 3 Expansion vessel
- 4 Vitotronic controller with integrated diagnostic system



#### Take advantage of these benefits:

- Compact gas fired condensing boiler, 6.1 to 29 kW
- Standard efficiency up to 97% (H<sub>2</sub>)
- Highly durable and efficient through Innox-Radial stainless steel heat exchanger
- Modulating MatriX cylinder burner with high efficiency through stainless steel MatriX mesh
- Easy to operate Vitotronic control with manual power limitation and provision for connecting modulating thermostats
- Outstanding DHW convenience through its integral booster function
- Manual exhaust gas adaption enables large, maximum flue pipe length without any decrease in heat output

Due to compact dimensions and quiet operation it is ideal for any living space

Viessmann Limited  
 Hortonwood 30, Telford  
 Shropshire, TF1 7YP  
 Tel: 01952 675000  
 Fax: 01952 675040  
[www.viessmann.co.uk](http://www.viessmann.co.uk)

## Technical Data Vitodens 100-W P25/P29 type BPJA



<b>Rated output for DHW heating</b>	kW	6.1 – 25.0	6.1 – 29.0
<b>Rated output</b>	kW	6.5 – 21.0	6.5 – 25.0
<b>Rated output</b>	kW	5.9 – 19.1	5.9 – 22.8
<b>Efficiency at full load (100%)</b>	%	87.9	87.9
<b>Efficiency at part load (30%)</b>	%	97.7	97.7
<b>Noise level (at part load)</b>	dB(A)	< 37	< 37
<b>NO<sub>x</sub> class</b>		5	5
<b>Maximum power consumption</b>	W	97	97
<b>Water content</b>	Litre	2.9	2.9
<b>Weight</b>	kg	36	36
<b>Maximum CH pump flow (of <math>\Delta T = 20</math> K)</b>	Litre/h	1 020	1 020
<b>Expansion vessel</b>			
- Capacity	Litre	8	8
- Air pressure	Bar	0.75	0.75
<b>DHW flow rate at 35°C rise</b>	Litre/min	10.2	12.0
<b>High DHW convenience according to EN 13203</b>		***	***
<b>Dimensions</b>			
	Depth mm	350	350
	Width mm	400	400
	Height mm	700	700

Your trade partner: