

Gas condensing technology

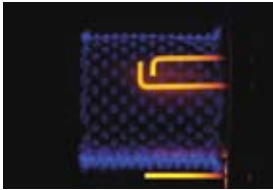
VITODENS 200-W

VIESSMANN

climate of innovation



**3 year comprehensive product warranty
5 years if fitted by a Viessmann trained installer**

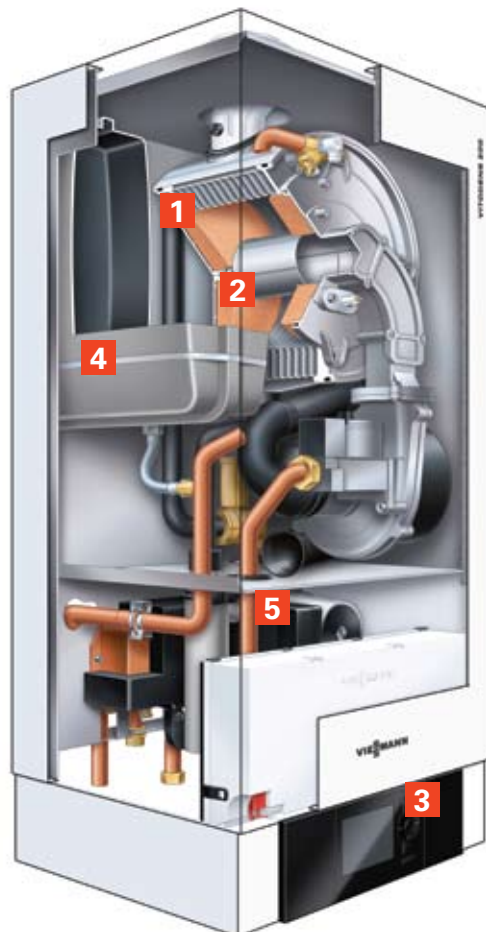


Modulating MatriX pre-mix burner

Developed by Viessmann, with thousands of tiny flames instead of one large flame, the MatriX cylinder burner distributes heat cleanly and efficiently and the stainless steel MatriX mesh ensures long term reliability. The new dynamic burner cycling function optimises the burners firing duration during low heating load requirements, mainly Spring and Autumn to ensure the burner burns longer and more efficiently. The extremely low NO_x and CO emissions meet or exceed all international clean air regulations and guidelines. With a modulation range of 1:4 the heat demand is optimised and maximum efficiency levels are achieved.

Lambda Pro control

As the weather compensation controls communicate with the boiler to adjust the flow temperature, the Lambda Pro combustion controller works alongside the burner to constantly monitor the air to gas ratio. Instead of the gas mix remaining fixed from commissioning, the mix is adjusted as required to maintain the correct ratio – in a similar way to the fuel management system in a car engine. It minimises on-site commissioning time. The Lambda Pro is designed to work efficiently irrespective of the quality of the gas – a factor which will become more and more important as International gas supplies become less reliable. The control replaces the traditional gas valve control and changing to LPG takes just a few seconds – with no changing of any parts!



Vitodens 200-W

- 1 Stainless steel Inox-Radial heat exchanger
- 2 MatriX cylinder burner
- 3 Vitotronic control unit
- 4 Expansion vessel
- 5 Stainless steel plate-type heat exchanger (combination boiler)



The pipe cover shown above can be ordered separately.

Take advantage of these benefits

- Optional plug-in weather compensation for an additional 12% fuel savings
- Intelligent Lambda Pro gas management system automatically adjusts to different gas qualities for optimum efficiency performance
- Cylinder burner with MatriX surface for low emissions and high efficiency
- Large modulation range of 1:4 ensures extremely high operating efficiency
- Easy integration with renewable energy technologies
- High DHW comfort – with DHW pre-heat function
- Noise emission of less than 35dB (A) – extremely quiet operation
- Low energy pump saves an average of 25% on power consumption, compared with similar products
- Stainless steel Inox-Radial heat exchanger for long term durability – guaranteed for 10 years
- Comes with a pre-plumbing jig as standard

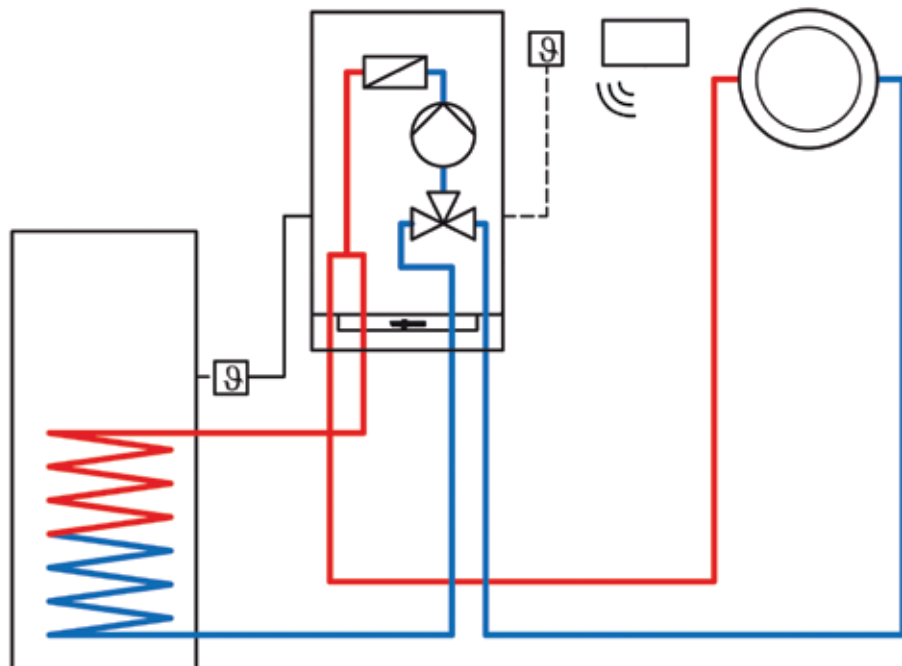
Gas condensing technology

Vitodens 200-W System 19 to 35 kW Combination 26 to 35 kW



The perfect combination to meet G3 Building Regulations:

The Vitodens 200-W System boilers up to 35 kW installed together with a Vitocell 200 or 300 cylinder do not require an energy cut-off valve and cylinder overheat thermostat. Instead a DHW temperature sensor, fitted to the cylinder, takes over the DHW temperature control. The energy cut-off valve and cylinder overheat thermostat safety devices are now built into the Vitodens boiler. As these components are no longer necessary, the wiring becomes so simple that no Part P is required anymore, saving valuable installation time. The only requirement to be met is that the Vitodens 200-W System boiler is fitted to a 4-pipe hydraulic system. An additional benefit is that the cylinder's temperature can be adjusted from the boiler. This alone provides an improved DHW efficiency as the boiler flow temperature is optimised to the set DHW temperature.





Award winning control unit

The Vitodens 200-W is available* with either a Vitotronic 100 HC2A constant temperature controller or the Vitotronic 200 HO1A weather compensation controller, both controls have a 7 day programmer. Navigation is as easy as can be and mirrors the well known scroll wheel you are familiar with from mobile phones or TV remote controls. It features a multi-line plain text display with large fonts and the display is 70% larger than those of comparable devices. The display can show graphics and is also back-lit. Thanks to the clear monochrome contrast, it is easily legible, even in poorly lit installation sites. The Vitotronic 200 HO1A, used with an outdoor sensor, can control up to 3 heating circuits, 2 mixed and 1 unmixed, e.g. underfloor heating and radiators would be run off the mixed circuit and a towel rail would run off an unmixed circuit and a separate DHW Circuit.

*Must be ordered separately



Vitotronic 200 HO1A Weather compensation control (Illustrates solar yield when linked to solar system).

Weather Compensation

With the increasing cost of fuel, optimised boiler and system control is becoming more and more important to improve the overall boiler efficiency. The only way to improve the efficiency of a good quality condensing boiler is to add weather compensation controls. The Vitodens 200-W Combination and System** models are designed to work with optional weather compensation controls, to achieve additional fuel savings of up to 12% – meaning huge savings every year, for a small initial outlay (**System boilers in conjunction with unvented hot water cylinders must be installed as a 4-pipe system).

The controls work by monitoring the outside air temperature and adjusting your radiator temperature to suit. This proactive mechanism means that the boiler burns as much fuel as it needs – but no more – to achieve the desired room temperature. This keeps the return temperature as low as possible, meaning that the boiler can condense more, thus saving more fuel. People inside the building will experience a constant room temperature and won't even notice that the temperature outside has changed – but they will notice a significant reduction of their gas bills!

Good news for planners – the weather compensation feature adds 2% to the boiler's SEDBUK efficiency when using SAP (Standard Assessment Procedure).

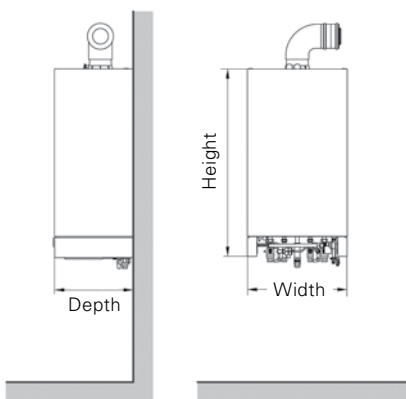


Vitotronic 100 HC2A Constant temperature control.

Viessmann Limited
 Hortonwood 30, Telford
 Shropshire, TF1 7YP
 Tel: 01952 675000
 Fax: 01952 675040
www.viessmann.co.uk

Technical Data Vitodens 200-W

Vitodens 200-W			Combination			System			
Type			26 kW	30 kW	35 kW	19 kW	26 kW	30 kW	35 kW
Max. gross efficiency (CH)			98%	98%	98%	98%	98%	98%	98%
DHW flow rate @ 35% rise	litres/min		10.7	12.3	14.3	N/A	N/A	N/A	N/A
Dimensions (overall)	Depth	mm	360	360	360	360	360	360	360
	Width	mm	450	450	450	450	450	450	450
	Height	mm	850	850	850	850	850	850	850
Weight		kg	46	48	48	43	45	47	47
Suggested side clearances		mm	5	5	5	5	5	5	5
SEDBUK band			A	A	A	A	A	A	A



Your trade partner: