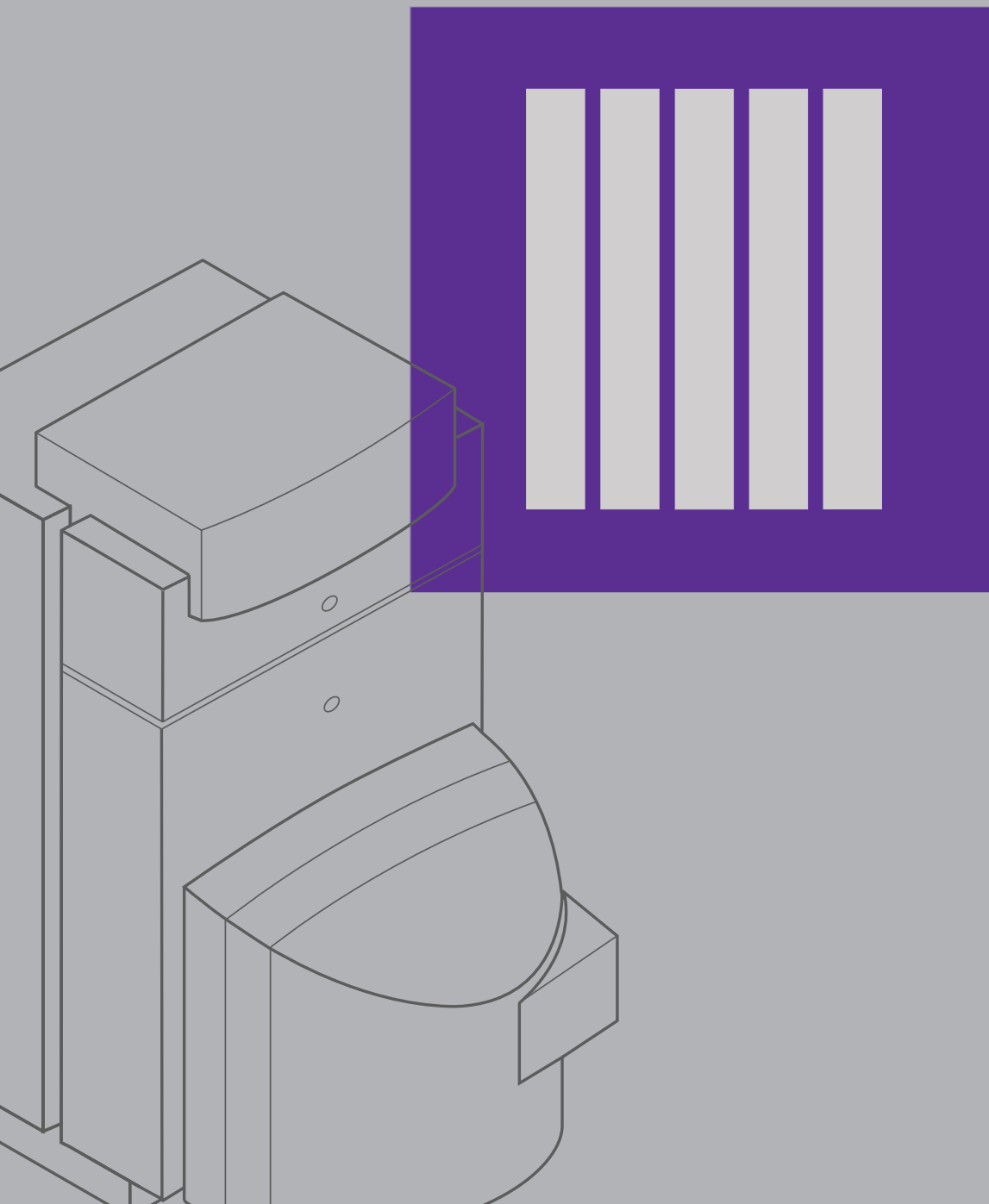


VITOROND 200

Oil-fired sectional grey cast-iron
hot water heating boiler with power burner
Rated input: 77 to 245 MBH – 23 to 72 kW

VIESSMANN





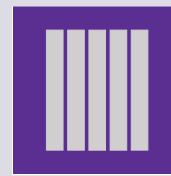
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The economical triple-pass boiler: **VITOROND 200**



The Vitorond 200 with its triple-pass design brings your heating system up-to-date with innovative heating technology: the triple-pass design provides reduced emissions, efficient fuel utilization and low heating costs.

The Vitorond 200 offers a whole lot more: its Eutectoplex heat exchanger surface made of grey cast-iron sections assures high operational reliability. The return water injector protects the boiler from cold water return and aids in the protection against flue gas condensation and corrosion.

A long service life

The Vitorond 200 is a completely new development – common prejudices against cast-iron heating boilers are therefore not an issue. With the Eutectoplex heat exchanger surface (Fig.1) and its ability for uniform heat transfer, stress cracking is practically impossible. Spacious water walls prevent build-up of deposits and improper water flow, while the return water injector guarantees a uniform return water temperature distribution.

Easy operation

The digital control unit Vitotronic 200 (Fig.2) incorporates all functions into one single control unit, including basic programming options for the heating circuit through separate heating circuit buttons, automatic resetting for daylight savings time, as well as fuel consumption, maintenance information and much more. The large display format with plain text information provides easy-to-understand data.

Low emissions – low heating costs

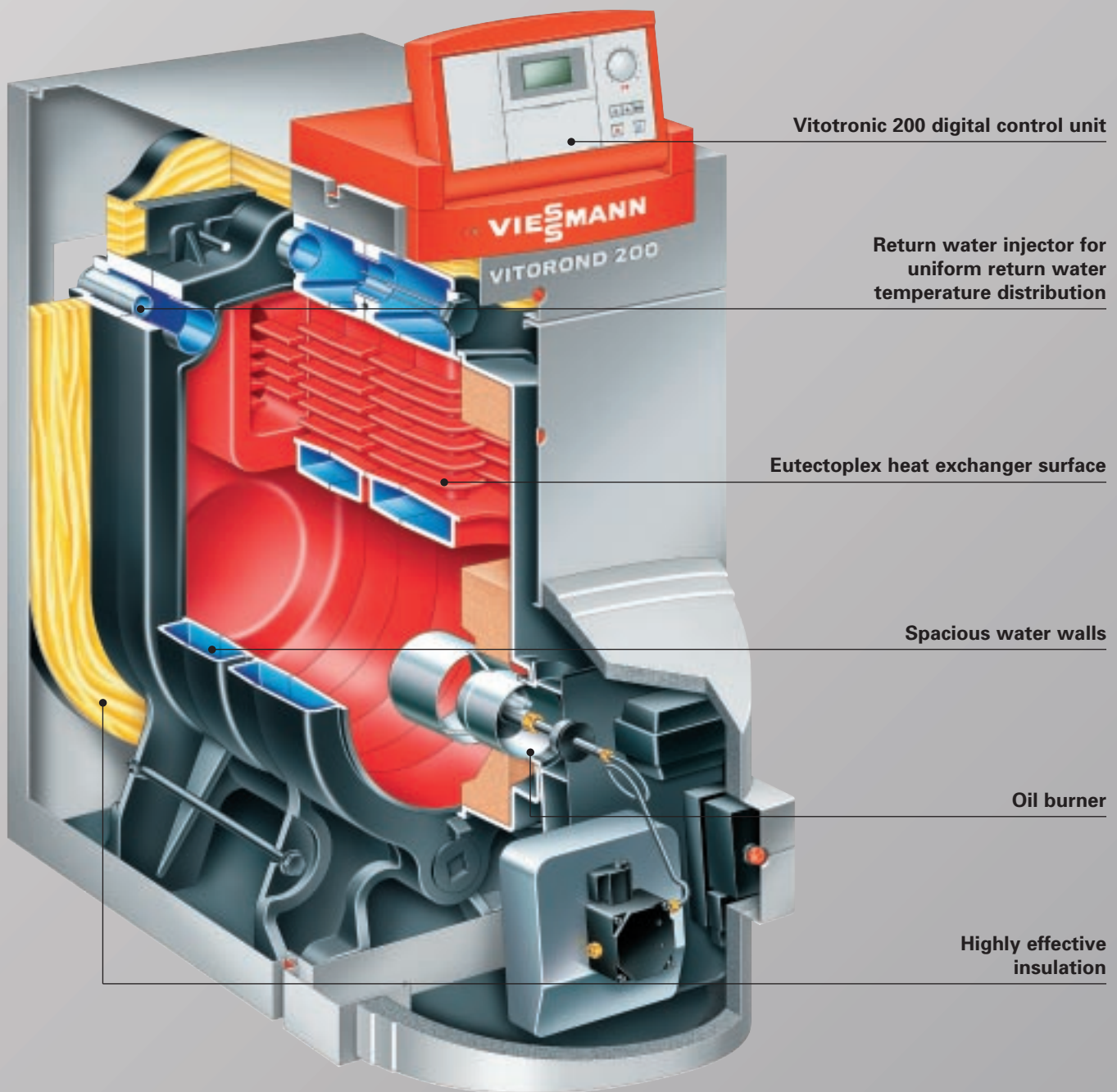
The combustion chamber is designed to match the burner flame geometry. Together with the factory-preset oil burner and the triple-pass design it ensures top performance.

The stainless steel combustion chamber, fully removable to the front, helps to ensure clean combustion, higher fuel efficiency and therefore lower heating and service costs. AFUE up to 86.9%.

Easy installation and maintenance

The Vitorond 200 utilizes the Fastfix installation system ensuring fast and easy installation with only a few, easily distinguishable parts. For models with an input of up to 140 MBH (41 kW), the boiler will be delivered completely assembled. For larger sizes, the grey cast-iron block is factory-assembled and tested. The enclosure, insulation and standard equipment is shipped separately for easier transportation and handling. The horizontal position of the flue gas passageways allows thorough cleaning of the heat exchanger from the boiler front.

The Vitorond 200 is attractive for three different reasons: low operating cost, low emissions and three control options to meet a variety of applications.



Vitotronic 200 digital control unit

Return water injector for uniform return water temperature distribution

Eutectoplex heat exchanger surface

Spacious water walls

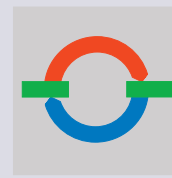
Oil burner

Highly effective insulation

VITOROND 200		Model	VR2-	18	22	27	33	40	50	63
Rated input	MBH		77	91	105	140	161	196	245	
	kW*		23	27	31	41	47	57	72	
Rated output	MBH		67	80	92	122	140	172	215	
	kW*		20	23	27	36	41	50	63	
AFUE	%		86.7	86.8	86.8	86.8	86.9	86.9	86.9	
Total dimensions	Depth	inches	33½	39	44¼	44¼	34¼	39½	44½	
		mm	854	990	1127	1127	880	1005	1130	
	Width	inches	19¼	19¼	19¼	19¼	22¼	22¼	22¼	
		mm	500	500	500	500	575	575	575	
	Height	inches	38	38	38	38	44½	44½	44½	
		mm	965	965	965	965	1131	1131	1131	
Total weight (Boiler with insulation, burner and boiler control)	lbs		317	401	485	485	527	648	767	
	kg		144	182	220	220	239	294	348	
Boiler water content	USG		7.1	9.2	11.6	11.6	12.7	16.1	19.3	
	ltrs		27	35	44	44	48	61	73	

*kW values are rounded to the nearest whole number

VITOTRONIC controls



Vitotronic is a new generation of smart controls that think along – from installation to operation, from maintenance to service, Vitotronic controls 100 and 200 offer the right solution for every need.

Everything in sight – everything under control

The clear operating platform of all Vitotronic controls was designed in accordance with the latest ergonomic research. The Vitotronic 200 is easily adjustable to any desired operating position (Fig.1). A plain text supported LCD display makes adjustments child's play (Fig.2).

After adjustments are made, the control is simply pushed back into the housing, where it blends seamlessly into the Vitotronic design. An LED light display indicates the operating status.

At the touch of a button warm – or cold

Whether you are expecting guests or are ready to depart for an evening or a holiday trip, with the Vitotronic 200 control you can adjust your heating system with the touch of a button: for example with the party or economy button, which temporarily changes the operating mode (Fig.3). Also the holiday program will lower the heating system temperature to save energy while you are away for longer periods of time.

Comfort comes first

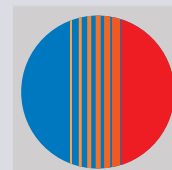
For those who would like more convenience operating their heating system – the Vitotrol remote control can easily be added to the Vitotronic control system. Vitotrol allows remote operation from your living room area.

VITOCCELL DHW tank

The most effective domestic hot water heating system is the combination of a hot water heating boiler and indirect-fired domestic hot water tank – with peripheral heating system. High and steady flow rates, low stand-by losses and high draw rates stand for comfort, economy and reliability. It also stands for the new Vitocell tank series, providing the right solution for every need – from 34 to 120 USG (130 to 450 liters), with single or dual heat exchanger coils, for tank placement below or beside the heating boiler.

Vitocell 100

The Vitocell 100 domestic hot water tanks (e.g. Figs.4 and 5) with Ceraprotect two-coat enamel finish meet all demands for comfortable, economical domestic hot water heating and take a leading position in the market for enameled domestic hot water tanks with peripheral heating systems. The Ceraprotect two-coat enamel finish, together with a consumable anode, protects the tank against corrosion.



Vitocell 300

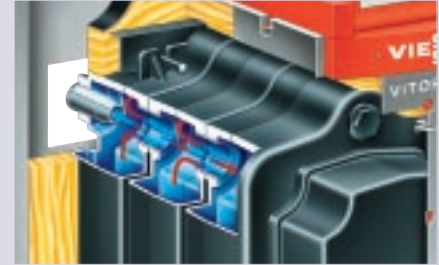
The Vitocell 300 domestic hot water tanks (e.g. Fig.6) made of corrosion-resistant high-alloy stainless steel satisfy the most stringent hygienic requirements and expectations. Stainless steel is a material which is used for its outstanding hygienic properties in kitchens, laboratories, hospitals and in the food processing industry. Even after many years of use, the homogeneous surface of high-alloy stainless steel remains completely hygienic.



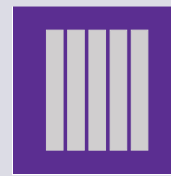
Burner may not be exactly as illustrated.

The benefits at a glance:

- High-quality oil-fired grey cast-iron hot water heating boiler, input range 77 to 245 MBH (23 to 72 kW).
- AFUE up to 86.9%.
- Eutectoplex heat exchanger surface for high operational reliability and a long service life. The homogeneous material made of eutectic special grey cast-iron guarantees uniform heat transfer and prevents stress cracking.
- Grey cast-iron sections with double-groove system and elastic packing cord guarantee flue gas side sealing.
- Modulating boiler water temperature with an optional indoor/outdoor control makes for economical and environmentally friendly operation on warmer days.
- Special water flow control with return water injector ensures uniform return water temperature distribution and prevents condensation at lower water temperature operation.
- Reliable heat transfer through spacious water walls and large water capacity.
- Easy installation and start-up – oil burners are factory-adjusted to rated output and are computer-tested at operating temperature.
- Stainless steel combustion chamber ensures clean combustion – keeping service and maintenance to a minimum.
- Easy handling and fast installation with transportation aids in front or on the side and factory-installed insulation.
- Easy and thorough maintenance of heating boiler through horizontal positioning of flue gas passes and removable turbulators. All three passes are accessible from the front for easy check-up and cleaning.



Return water injector for a long service life even at modulating boiler water temperatures





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Progressive heating technology is system technology



Every single component of our heating technology follows the Vitotec building block principle. This guarantees smooth functioning of the entire heating system. All boilers, burners and controls harmonize perfectly.

Control Units

The Vitotronic control series 100 and 200 (Fig.1) are customized with programs for every need – from the basic to the most sophisticated heating system.

Oil burner

The oil burner (Fig.2) is computer-tested at operating temperature and adjusted to the boiler output.

Domestic hot water tanks

The comprehensive Vitocell domestic hot water tank program (Fig.3) offers economical and reliable hot water production for every need.

Remote controls

All Vitotronic boiler controls are available with optional Vitotrol remote control units (Fig.4). They allow easy control over the heating system from your living room area.

Accessories

Complete safety headers (Fig.5) with pressure relief valve, pressure gage and air vent including molded insulation shells.

The Divicon mixing valve station (Fig.6) comes completely assembled and can be easily installed to accommodate a radiant floor heating system.



Vitotec: Technology Function Design

The new Vitotec program is the successful synthesis of advanced, state-of-the-art technology and future-oriented innovations. The Vitotec program combines technological progress with functionality and design. All innovations are consistently targeted to providing benefits for the user – both the heating contractor and the system operator.

Good design is less design

The new Vitotec design is function-oriented and was reduced to the basics. The new “Vitosilver” color finish – in combination with the accent color “Vitorange”, symbolizing heat – unites Viessmann innovation with Viessmann tradition.

One name – all products

First unity of form, now unity of name. All product names contain the component “Vito”, indicating not only their affiliation with the Vitotec program – but also system compatibility. The second part of the name signifies the product group. The different program levels are differentiated by numbers such as 100, 200 or 300.

Platform strategy

The new unity of Vitotec lies in its constructional design and follows a well-established technical principle. With the Vitotec program, Viessmann has implemented a modular technology strategy based on one common platform, whereby different functional modules are positioned on one base chassis to build different models. This permits the use of many identical parts, the execution of uniform and easy-to-follow installation steps and a reduced number of universal spare parts. Maintenance, servicing and operation are considerably simplified through a uniform design and standardization.

Operation made easy

The new Vitotronic controls are also designed on the building block principle. Four modules, two base chassis with motherboards and safety controls, and two operating units (fixed or in drawer form) make up the complete control program.

The heating contractor is a Viessmann expert

But Vitotec is more than this. It contains a comprehensive training, service and maintenance package for the heating contractor. This ensures that the heating contractor will not only be familiar with the latest technology, but will also be trained extensively at our Viessmann Academy for the constantly changing demands of the heating industry. As a result the heating contractor will be a Viessmann specialist.

The new Vitotec program offers you a diverse, yet uniform product range for every need – and once more confirms our philosophy: “Viessmann – more than heat”.



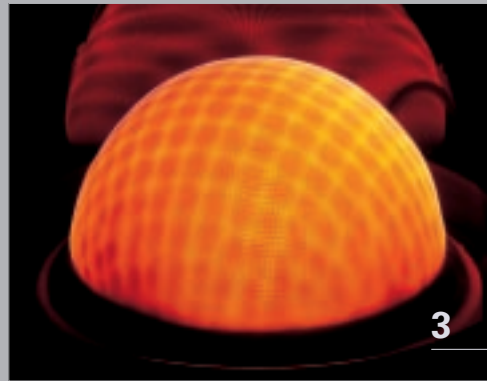
Viessmann

With 6,700 employees around the world, the Viessmann Group is one of the leading manufacturers of heating technology worldwide. Viessmann represents competence and innovation and offers you a wide variety of high-tech products, each a design-matched component in the progressive Viessmann system technology. Despite the diversity, Viessmann products have one thing in common: a high standard of quality throughout the entire product line that translates into operational reliability, energy saving, environmental friendliness and operational comfort.

Viessmann innovations lead the industry not only in conventional heating technology, but also in the area of renewable energy sources such as solar and heat pump heating technology.

All of our products are developed in accordance with our philosophy to achieve the greatest value at all times – for our customers and our business partners.

Contact the Viessmann office in Canada or U.S.A. for the name of the Viessmann Sales Representative closest to you.



- 1 Inox-Radial heat exchanger surface
- 2 RotriX-EV oil burner
- 3 Modulating MatriX compact gas burner

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Viessmann Manufacturing Company (U.S.) Inc.

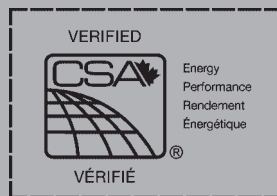
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