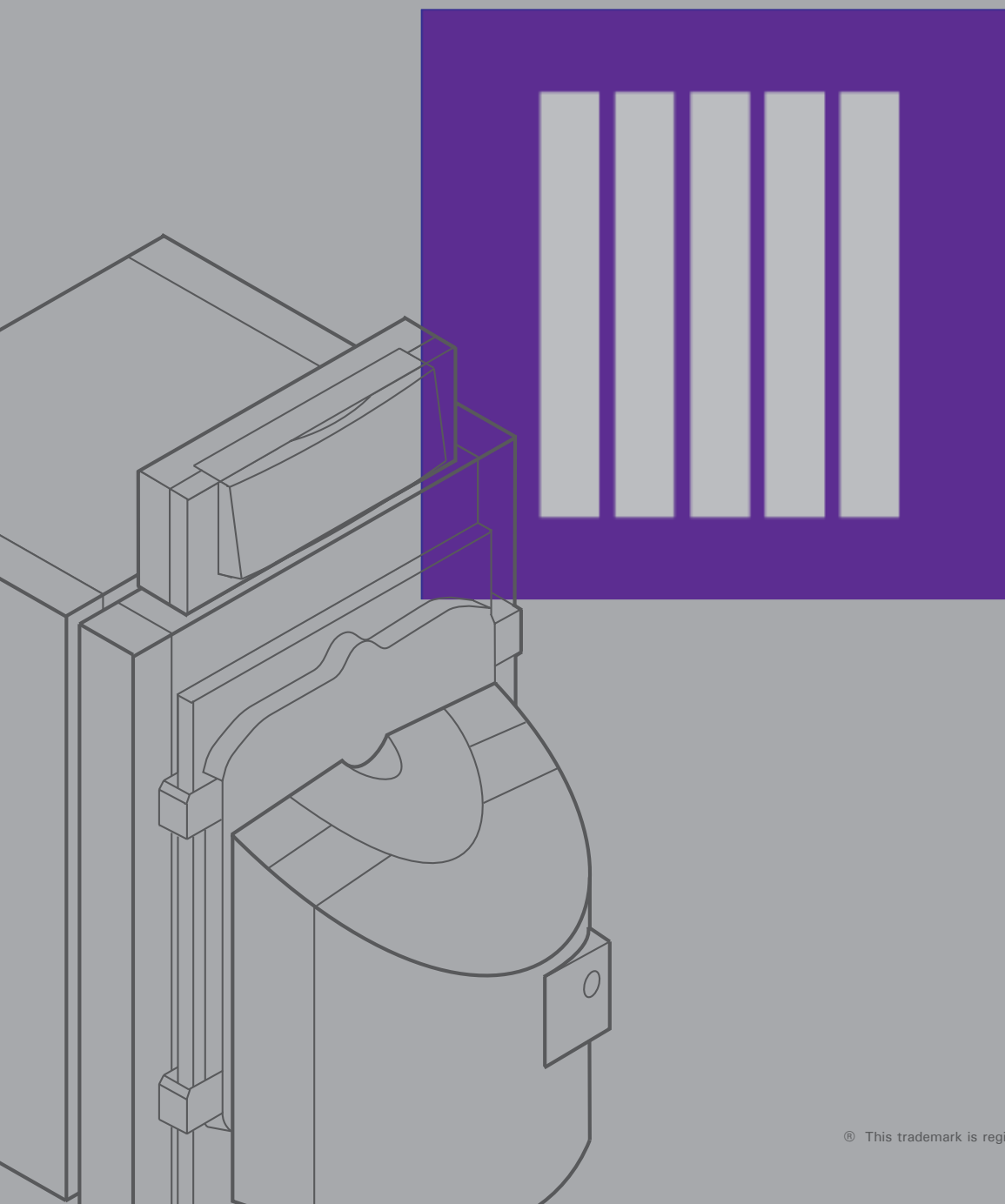


VITOROND 200®



VD2/VD2A Series

Oil-/Gas-fired sectional cast iron boiler
for operation with modulating water temperatures
Rated input: 490 to 4387 MBH
144 to 1285 kW





Product may not look exactly as illustrated.

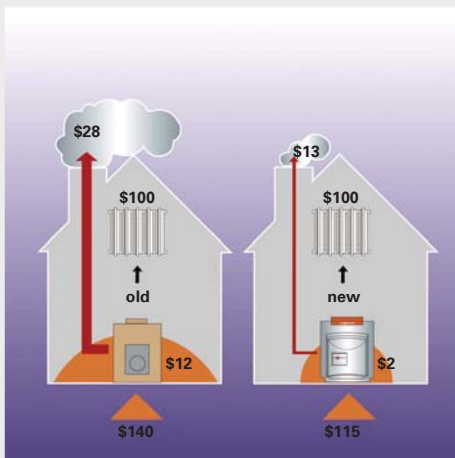
Efficient. Durable. Reliable.

The VITOROND 200

The Vitorond 200 boiler is a reliable, durable and efficient commercial heating solution. The boiler's sectional, triple-pass design, combined with a special Eutectoplex heat exchanger surface ensures easy installation, economical energy consumption, high operational reliability and a long service life. The bottom line: fast investment recovery through maximum savings in fuel and maintenance costs.

Efficient

Reduce operating expenditures by up to 50% by modernizing with a Viessmann Vitorond 200 boiler. Featuring efficiencies of up to 85.5% for gas and 88.1% for oil, this high-mass, high-volume cast iron boiler stores thermal energy and eliminates inefficient system cycling. The Vitorond 200 boiler's triple-pass design, combined with heat-resistant steel turbulators placed in each flue gas passageway, ensures maximum heat transfer throughout the cast iron block. Superior insulation minimizes standby losses and maximizes energy and cost savings. Design-matched Viessmann system controls ensure that the entire heating system is consistently operating at maximum efficiency.



Eliminate energy waste with Viessmann heating technology



Vitorond 200 cast iron section

Durable and reliable

The cast iron sections of the Vitorond 200 consist of a homogeneous, special gray cast iron. The resulting uniform heat transfer eliminates stress fractures. The material, shape and geometry of the sections, combined with production methods at the factory, eliminate any inherent stresses. These factors combine to achieve the utmost in product reliability and serve to minimize repair bills and overall lifecycle cost.



Easy handling and simple installation

The Vitorond 200 boiler may be delivered in individual sections and assembled in the field using a draw tool provided by Viessmann. This allows easy transportation into the most difficult-to-access boiler rooms. Upon request, the Vitorond 200 boiler up to size VD2A-270 can be delivered fully assembled. In addition, the Vitorond 200 accommodates a left- or right-swing combustion chamber door to best suit any boiler room layout and multiple boiler installations.

Reduced emissions

The triple-pass design of the boiler's heat exchanger, ensures that the time the flue gases remain under a high reaction temperature is minimized. As a result, NO_x emissions are lowered, minimizing environmental impact.



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No-compromise commercial heating

The benefits at a glance:

- **Efficient and reliable operation.**

Modulated boiler water temperatures help conserve energy by closely matching system output to actual demand.

Viessmann system controls ensure consistent, maximum system efficiency.

Combustion efficiency up to: 85.5% for gas and 88.1% for oil. Thermal efficiency up to: 85.4% for gas and 88% for oil.

- **High operational reliability and a long service life** are achieved by the special Eutectoplex gray cast iron heat exchanger. A uniform heat transfer and controlled water flow, together with inherent characteristics of the cast iron sections eliminate stress fractures and extend the lifecycle of the boiler.

- **Problem-free transport** into difficult-to-access boiler rooms thanks to sectional construction and low weight. The Fastfix system facilitates a quick and easy installation.

- **Low environmental impact** thanks to low-emission combustion achieved by the boiler's triple-pass design.

- **Problem-free cleaning access** facilitated by a hinged left- or right-swing combustion chamber door providing easy access to all three flue gas passageways from the front of the boiler, reducing side clearance.

- **The VD2A Series features reduced investment cost** with new Therm-Control integrated low-temperature protection logic and return water distribution system for a simplified design and system integration. Low temperature protection package no longer required.

- **Comprehensive standard equipment** saves valuable time in installation and sourcing of product. The supply and return header system is pre-built for left or right connections and positions components properly.

- **Consistent and reliable DHW supply** through integration with Viessmann indirect-fired stainless steel domestic hot water tanks.

- Boilers, controls, domestic hot water tanks, and heating system components are design-matched to work together. **All components are compatible** and are therefore quickly and easily installed.

- Standardized LON-BUS enables **easy communication with building management systems.**

- **Maximum quality assurance.** All components bearing the Viessmann name are designed and manufactured at company-owned production facilities.



Design, production, logistics – everything under one roof



Product may not look exactly as illustrated.

Progressive heating technology is system technology

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

Viessmann system controls

Viessmann-designed system controls ensure efficient and reliable operation of the entire heating system.

These controls are design-matched to work with other system componentry to maximize energy and cost savings. Modulating water temperatures help to further conserve energy by closely matching output to actual demand, while ensuring a comfortable living environment.

Custom control panels

Factory-designed and assembled Viessmann custom control panels manage the operation of multiple boilers, multiple heating circuits and domestic hot water production. Viessmann custom design guarantees a perfect fit with other heating system components and ensures that none of their energy- and cost-saving features are compromised.

DHW storage tanks

Save up to 50% of your operating cost compared to conventional direct-fired hot water production.

- Viessmann Vitocell 300 stainless steel domestic hot water tanks allow worry-free, extremely efficient, reliable and economical DHW production. The stainless steel interior ensures maximum corrosion protection, operational reliability and a long service life.
- Viessmann Vitocell 100 steel domestic hot water tanks with Ceraprotect enamel for reliable and economical DHW production. The Vitocell 100 DHW tank's special enamel, as well as a magnesium anode protect against corrosion, while its highly effective insulation minimizes standby losses. This translates into increased profits thanks to reduced energy and maintenance costs.

Multiple DHW tanks

For systems requiring larger amounts of domestic hot water, several Vitocell DHW tanks can be combined into tank batteries. A consistent and abundant supply of domestic hot water is thereby guaranteed all day long.

Did you know?

Viessmann offers:

- A commercial projects department offering technical advice.
- Ongoing post-sale customer support.
- Custom control solutions and full integration with building management systems.
- Remote system monitoring over the Internet.
- Free commercial project evaluation program to calculate fuel savings, R.O.I., pay-back analysis and emission reductions.
- Professional start-ups for all commercial installations.
- Educational seminars through our Viessmann Academy.



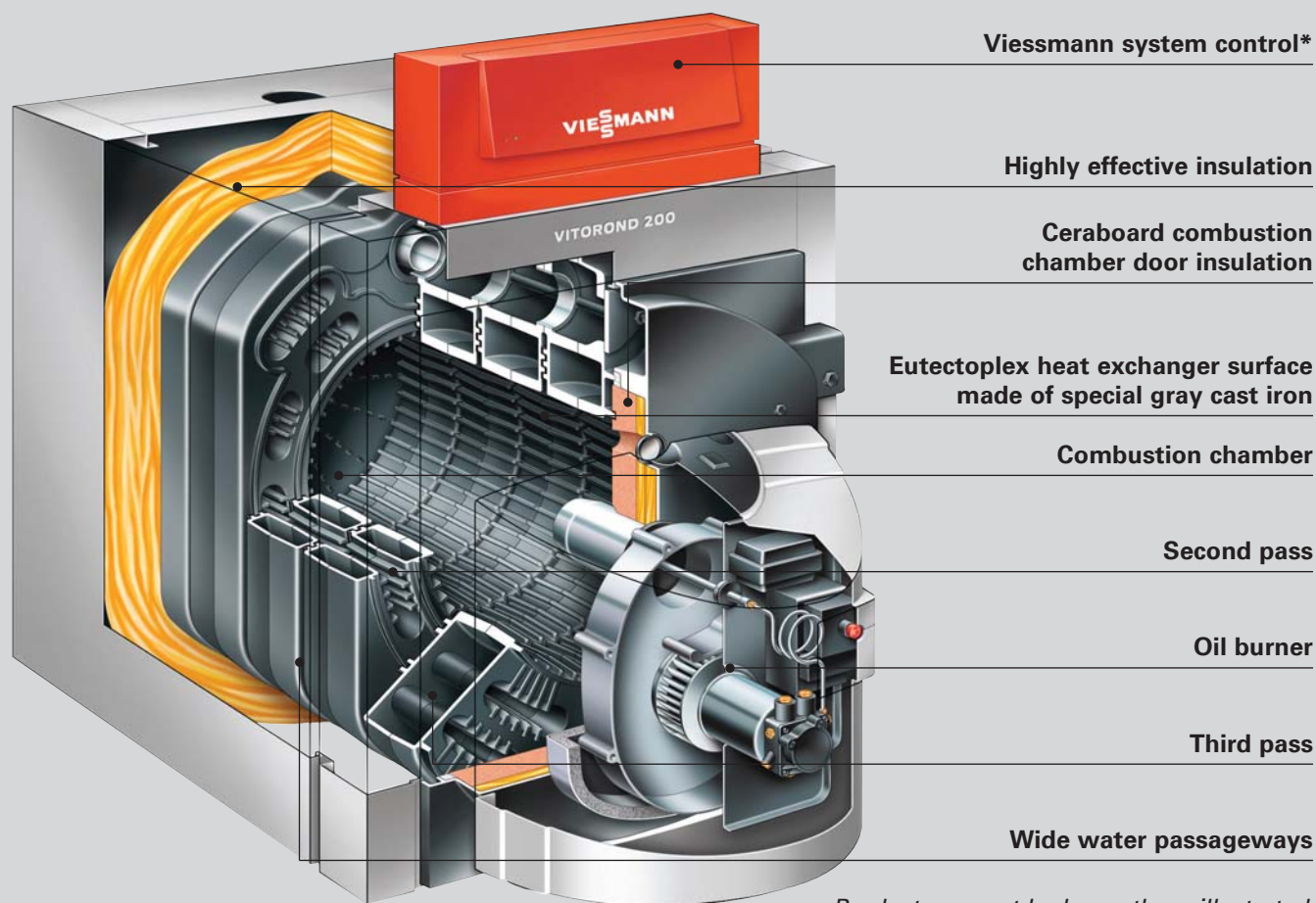
Professional advice is never far away



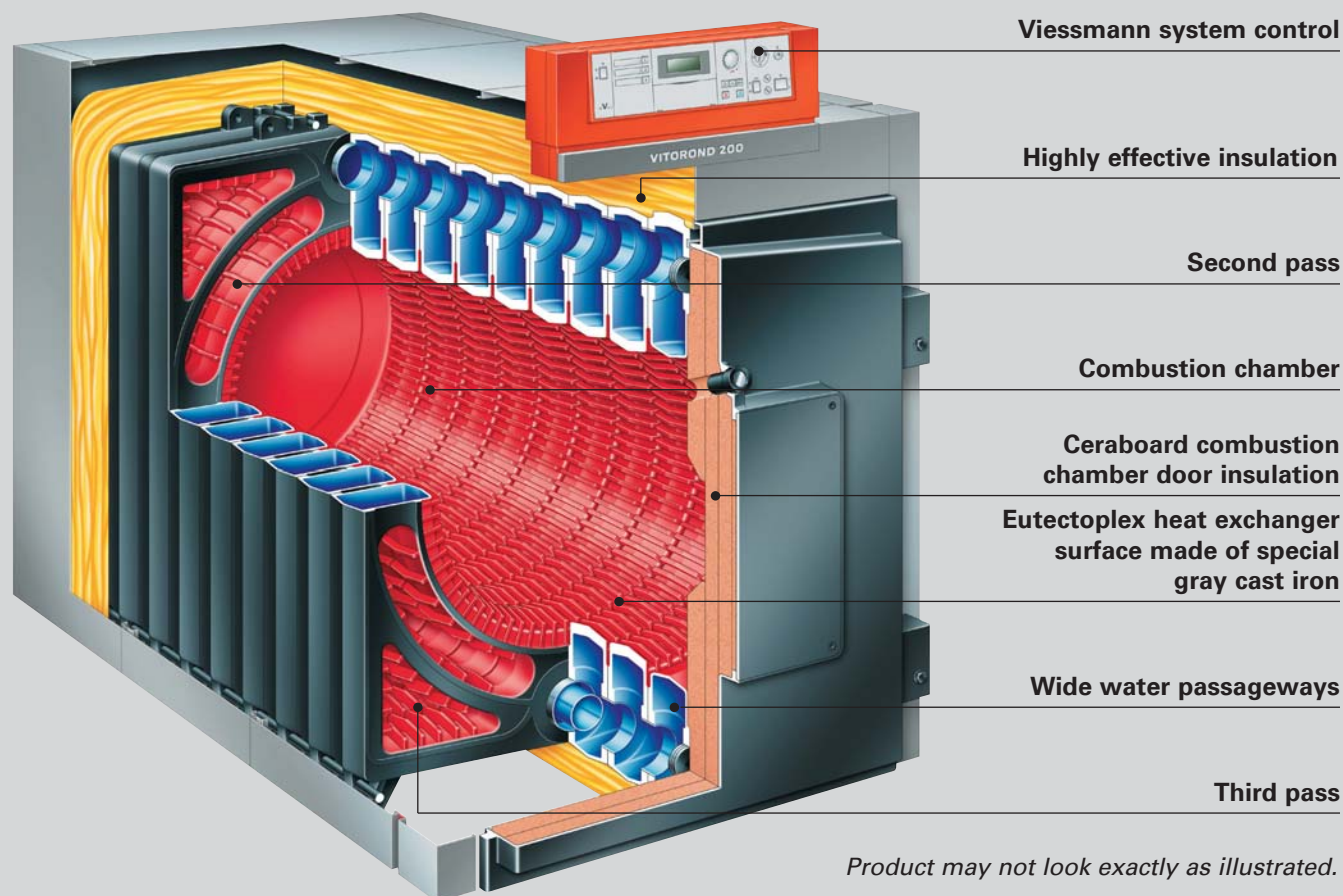
Hands-on training at our demonstration showrooms



Keeping up-to-date is easy with Viessmann Academy seminars



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VITOROND 200	Model	VD2A	125	160	195	230	270
	Rated input (oil)	MBH	490	628	765	902	1059
		kW	144	184	224	264	310
	Rated input (gas)	MBH	508	650	792	934	1096
		kW	149	190	232	274	321
	Rated output (oil/gas)†	MBH	433	553	672	792	928
		kW	127	162	197	233	273
	Combustion efficiency (oil) %		87.7	87.3	87.3	87.3	87.3
	Combustion efficiency (gas) %		84.7	84.8	84.8	84.8	84.8
	Thermal efficiency (oil) %		87.9	87.6	87.4	87.3	87.2
	Thermal efficiency (gas) %		85.2	85.1	84.8	84.8	84.7
Dimensions (with insulation jacket)	Total Length	inches	35 ¾	42 ¼	49	55 ½	62 ¼
		mm	905	1075	1240	1410	1580
	Total Width*	inches	40 ½	40 ½	40 ½	40 ½	40 ½
		mm	1030	1030	1030	1030	1030
	Total Height*††	inches	58 ½	58 ½	58 ½	58 ½	58 ½
		mm	1485	1485	1485	1485	1485
	Weight (incl. insulation, and control)	lbs	1201	1441	1675	1874	2127
		kg	545	655	760	850	965
	Boiler water content	USG	32	41	49	57	66
		ltrs	122	154	186	217	249

*Not as illustrated. Boiler control mounted on right or left boiler side panel. †† With supply header.

VITOROND 200	Model	VD2-	320	380	440	500	560	630
	Rated input (oil)	MBH	1255	1490	1726	1961	2196	2471
		kW	368	436	506	574	643	724
	Rated input (gas)	MBH	1300	1544	1787	2031	2275	2559
		kW	381	452	523	595	666	750
	Rated output (oil/gas)†	MBH	1110	1319	1526	1732	1941	2183
		kW	325	387	447	508	569	640
	Combustion efficiency (oil) %		88.1	88.0	88.0	87.9	87.8	87.8
	Combustion efficiency (gas) %		85.5	85.4	85.4	85.3	85.2	85.1
	Thermal efficiency (oil) %		88.0	88.0	88.0	88.0	88.0	87.9
	Thermal efficiency (gas) %		85.4	85.4	85.4	85.3	85.3	85.3
Total dimensions (with insulation jacket)	Total Length	inches	58 ¾	63 ¾	68 ¾	73 ¾	78 ¾	83 ¾
		mm	1490	1620	1750	1870	2000	2130
	Total Width*	inches	42 ¾	42 ¾	42 ¾	42 ¾	42 ¾	42 ¾
		mm	1090	1090	1090	1090	1090	1090
	Total Height*†	inches	58 ¼	58 ¼	58 ¼	58 ¼	58 ¼	58 ¼
		mm	1480	1480	1480	1480	1480	1480
	Weight (incl. insulation, burner and control)	lbs	3924	4299	4652	4982	5335	5666
		kg	1780	1950	2110	2260	2420	2570
	Boiler water content	USG	65	73	80	87	95	102
		ltrs	247	275	303	331	359	387
VITOROND 200	Model	VD2-	700	780	860	950	1080	
	Rated input (oil)	MBH	2745	3059	3373	3727	4236	
		kW	804	896	988	1091	1241	
	Rated input (gas)	MBH	2843	3168	3493	3860	4387	
		kW	833	928	1023	1130	1285	
	Rated output (oil/gas)†	MBH	2425	2699	2976	3135	3738	
		kW	711	791	872	919	1095	
	Combustion efficiency (oil) %		87.7	87.6	87.5	87.4	87.3	
	Combustion efficiency (gas) %		85.1	85.0	84.9	84.8	84.6	
	Thermal efficiency (oil) %		87.9	87.9	87.8	87.8	87.8	
	Thermal efficiency (gas) %		85.3	85.2	85.2	85.2	85.2	
Total dimensions (with insulation jacket)	Total Length	inches	89.0	93 ¾	98 ¾	104	108 ¾	
		mm	2260	2380	2510	2640	2760	
	Total Width*	inches	42 ¾	42 ¾	42 ¾	42 ¾	42 ¾	
		mm	1090	1090	1090	1090	1090	
	Total Height*	inches	58 ¼	58 ¼	58 ¼	58 ¼	58 ¼	
		mm	1480	1480	1480	1480	1480	
	Weight (incl. insulation, burner and control)	lbs	6019	6349	6702	7070	7429	
		kg	2730	2880	3040	3210	3370	
	Boiler water content	USG	110	117	124	132	139	
		ltrs	415	443	471	499	527	

*Dimensions with center-mounted NR2 control. See Technical Data Manual for dimensions with Dekamatik or KR control.

† Output ratings are based on the IBR BTS-2000 "method to determine efficiency of commercial space heating boilers".



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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 functional design

The Vitotec design is the result of a strictly functional approach in which all elements are reduced to the essential. 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, 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

Vitotec is more than a product line. 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 more than 8,000 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 heating products, each a design-matched component in the progressive Viessmann system technology. Despite their diversity, Viessmann products have one thing in common: a high standard of quality throughout the entire product line that translates into operational reliability, energy savings, 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 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.

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Viessmann meets all your heating needs with a diverse, yet completely harmonized product range.

