FLOOR STANDING GAS CONDENSING BOILER

The Most Advanced, Compact, Efficient Gas Condensing Boiler

VITOCROSSAL 200, CI2

Mission-critical technology for large custom residential, and both light and demanding commercial applications

Compact and highly efficient boiler, with simple installation.

Self-calibrating technology automatically adjusts to fuel quality, retaining highest in class efficiencies.

Vitocrossal 200 CI2 units can be hydronically cascaded for customizable solutions.

The Vitocrossal 200, CI2 is a versatile boiler system offering a highly efficient solution for custom residential, as well as various commercial applications. With 6 sizes ranging from 399 MBH - 2,000 MBH this gas-condensing unit can be cascaded for capacities up to 32,000 MBH.

Well-suited For Tight Commercial Spaces
The Vitocrossal 200, CI2 is only 27 inches (68 cm) wide without casing, fitting through any standard door, providing ease of access for retrofit applications and is particularly recommended for modernization. Compact dimensions facilitate the replacement of old systems even in tight spaces, requiring a footprint of less than 9.9 ft^2.
A re-designed combustion chamber provides the same reliability and efficiency while reducing overall size by over 30%, yet still maintaining class-leading water volume and low pressure drop. The CI2 is entirely serviceable from the front and back, and thus can be installed side by side as allowed by local and state requirements. Integrated cascade controller and BMS gateway (optional) contribute to further space saving in the mechanical room.

Easy Installation and Maintenance
Fast installation and reduced maintenance come standard with the integrated Lambda PrO$_2$ with Self Calibrating Active O2 Trim control management system to ensure consistently high and efficient combustion quality with low emissions. Lambda PrO$_2$ with self-calibrating active O2 Trim Technology automatically adjusts to multiple vent options and lengths, gas type and quality right out of the box; no calibration required.
Integrated rollers and easy transport pallet with a ramp, allow transport

of the boiler to any installation site with no lifting gear required when brought in at ground level.

Simplified Commissioning, Remote Monitoring and Trouble Shooting
The Vitocrossal 200, CI2's 7-inch touchscreen interface is equipped with an intuitive commissioning assistant and complete text for setup and messages. The integrated LAN and WiFi interface allows the system to connect directly to the internet for seamless integration with the ViGuide* ecosystem with onsite and remote connectivity via smartphone or tablet.
ViGuide* offers guided commissioning of the boiler, eliminating complex manual parameter settings, and allows remote viewing of the system for timely repairs.
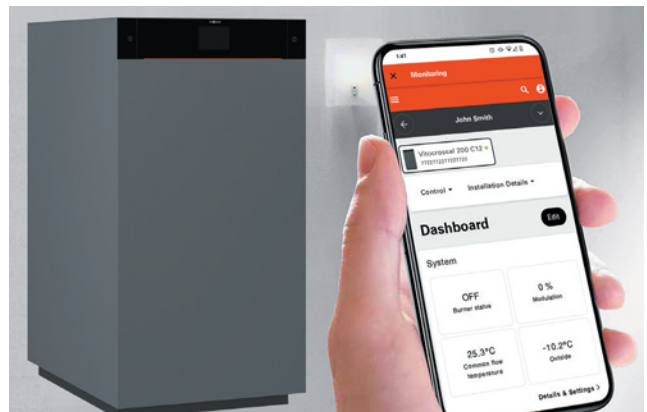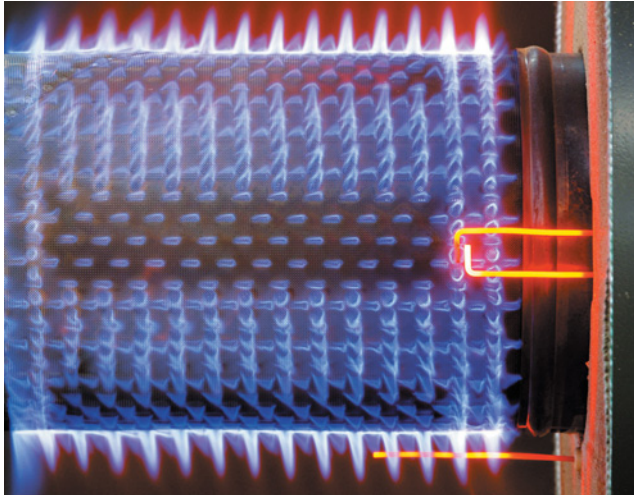

*Formerly Vitoguide

MatriX Burner:
Ultra Efficient and Clean Combustion

The Viessmann-made modulating MatriX cylinder burner offers extremely clean combustion with up to a 30:1 turndown ratio, and meets Low NOx requirements.

Low-emission, Viessmann-made MatriX cylinder burner

BENEFITS AT A GLANCE

+ Integrated Valve Proving System (VPS) for all sizes
+ Up to 98% thermal efficiency, the highest degree of utilization in its class with cleaner combustion and lower costs
+ Highest water volume in class; no primary boiler pump required
+ Efficient combustion control with Lambda PrO$_2$ with Self Calibrating Active O2 Trim Technology; realtime O2 trim, fuel conversion and altitude adjustment with push of a button
+ High operational reliability and long service life with corrosion-resistant Inox-Crossal stainless steel heat exchanger; class leading low pressure drop and thermal efficiency
+ Up to 30:1 modulating MatriX cylinder burner ensures long, uninterrupted operation; meets Low NOx certification
+ Cascading of up to 16 devices possible (up to 32,000 MBH)
+ Viessmann One Base Control Platform enables control via ViGuide* app and use of digital services
+ Compact dimensions and small footprint boast an unprecedented density ratio; allowing for optimal side by side installation even in the tightest spaces
+ Integrated installation features for peak mobility
+ Time-saving service - all components are easily accessible from the front and back of unit
+ External wall-mounted Gateway or DIN rail-mounted Gateway for up to 8 boilers per gateway. Modbus TCP, Modbus RTU, Bacnet IP, and Bacnet MSTP
+ Utilizes CANbus communication between boilers and gateway system without complex dedicated wiring

Warranty information is available at
https://www.viessmann.ca/en/services/warranties.html

Stainless Steel Inox-Crossal Heat Exchanger:
Efficient and Reliable

The Vitocrossal 200, CI2 is equipped with a stainless steel Inox-Crossal heat exchanger designed to stand up to the toughest of water conditions. Developed and manufactured by Viessmann, this high-quality stainless steel component maximizes performance and reliability.
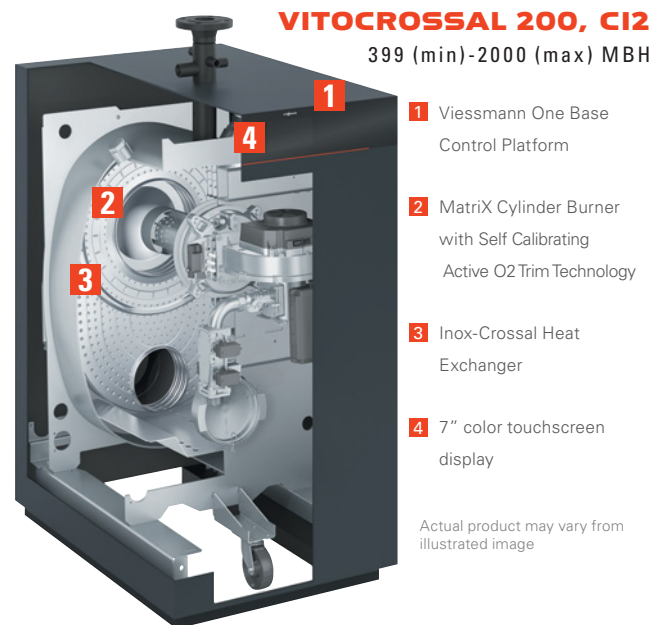
Clean, Contemporary Design

Featuring a 7-inch color touchscreen HMI with owner dashboard and service technician screens (available in three languages), the CI2 intuitively displays DHW scheduling, multi-zone controls, constant circulation controls and recirculation modes, and gas consumption data with just a few taps.

The pulsating Vitorange "light guide" signals operation status at a glance for an aesthetically pleasing operational function. Viessmann's new Vitographite exterior color with Diamond Edge design completes the CI2's appealing, high-quality appearance.

STANDARD EQUIPMENT INCLUDES

+ Pressure Relief Valve (80 psig)
+ Temperature and Pressure Gage
+ Low Water Cut Off
+ Air Vent
+ Boiler Drain Valve
+ Gas Supply Ball Valve

VITOCROSSAL 200, CI2
399 (min)-2000 (max) MBH

1 Viessmann One Base Control Platform

2 MatriX Cylinder Burner with Self Calibrating Active O2 Trim Technology

3 Inox-Crossal Heat Exchanger

4 7" color touchscreen display

Actual product may vary from illustrated image

VIESSMANN
ONE BASE

The Vitocrossal 200 CI2 integrates seamlessly with Viessmann One Base, Viessmann's complete digital solution platform featuring applications for contractors. Visit us online to learn more.

Technical Information
VITOCROSSAL 200, CI2

		399	500	750	1000	1500	2000
Combustion Efficiency [1]	%	97.0	97.0	96.9	96.8	96.6	96.5
Thermal Efficiency [1]	%	98.0	97.9	97.8	97.7	97.3	97.0
Minimum Input (NG)	MBH	50	50	90	100	50	100
Maximum Input (NG)	MBH	399	500	750	1000	1500	2000
Output (thermal efficiency)	MBH	391	490	734	977	1460	1940
Overall Dimensions							
Width	in. mm	29½ 750	29½ 750	29½ 750	29½ 750	29½ 750	29½ 750
Height	in. mm	64½ 1640	64½ 1640	64½ 1640	64½ 1640	78¾ 1998	78¾ 1998
Depth (Length)	in. mm	39 992	39 992	47¼ 1200	47¼ 1200	56¼ 1428	56¼ 1428
Weight (burner, control and insulation)	lbs. kg	789 358	789 358	963 437	963 437	1812 822	1969 894
Boiler Water Content	USG L	29 110	29 110	50 190	50 190	113 424	99 375
Heat Exchanger Surface Area	ft2 m2	65.2 6.1	65.2 6.1	129.4 12	129.4 12	196.2 18.2	258.8 24
Maximum Operating Pressure	psig bar	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5
Maximum Operating Temperature	°F (°C)			210 (99)			
Flue Outlet Size	Ø in Ø mm	4 104.2	4 104.2	6 155	6 155	6 155	8 205.2

[1] Tested to ANSI/AHRI Standard 1500 Performance Rating of Commercial Space Heating Boilers / DOE Test Procedure 81 FR89276/ U.S. Standards ANSI Z21.13 / CSA 4.9