

Oil-fired gray cast iron hot water heating boiler
Rated input: 27 to 72 kW / 91 to 245 MBH

VIESSMANN

VITOROND 100

*A compact triple-pass boiler
in sectional cast iron design*



VITOROND 100

A genuine triple-pass boiler of cast iron sectional design. The high-quality construction and innovative oil heating technology of this boiler provide a high level of operational reliability, high-efficiency operation and reduced emissions.

Now available with direct vent and Vitotronic control options!

VIESMANN

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The benefits at a glance:

- **Get the most out of your fuel dollar!** Maximum heat extraction with triple-pass design. A.F.U.E.: up to 86.9%.
- **Extremely durable** cast iron heat exchanger for **maximum reliability and service life.**
- **Clean combustion** with Beckett or Riello burner.
- Integrated stainless steel combustion chamber insert for **clean and efficient combustion.**
- Thick 3½" insulation for extremely low standby losses and **fuel savings.**
- **Easy access** Full-swing left- or right-hinged combustion chamber door.
- **Low maintenance cost** with service-friendly burner and easy-to-clean flue gas passageways.
- Spacious, wet-base water walls prevent deposits, reduce stress and **increase boiler life.**
- New!** ■ **Direct vent option** (up to VR1-33) eliminates the need for a chimney and combustion air supply opening.
- New!** ■ **Multiple control options:** Choose from a standard 24 VAC room thermostat or Vitotronic control options for **additional energy savings.**
- New!** ■ **Additional energy savings and reduced emissions** with modulating boiler water temperatures when using Vitotronic control options.



Triple-pass heat exchanger



Riello F Series burner



Vitotronic control option



Vitorond 100 boiler with Beckett NX burner and Vitocell 100 tank shown.

- New!** ■ Boiler return injector available with Vitotronic controls protects against formation of condensation and enables safe lower-temperature operation for **increased efficiency.**



Increased boiler life and efficiency with return injector (with Vitotronic controls)

VITOROND 100			VR1-	22	27	33	40	50	63
Rated input			MBH	91	105	140	161	196	245
Rated output			MBH	80	92	122	140	172	215
Dimensions (incl. burner) ¹	Boiler Length	inches	41 ¼	47	47	38	43	48	
	Boiler Width	inches	19 ¾	19 ¾	19 ¾	22 ¼	22 ¼	22 ¼	
	Boiler Height	inches	33	33	33	39 ¾	39 ¾	39 ¾	
	Boiler Height (incl. control)	inches	44	44	44	50 ½	50 ½	50 ½	
Weight (shipping)	Boiler Package	lbs	400	477	485	533	654	775	
	Beckett Burner	lbs	37	37	37	37	24	24	
	Riello Burner	lbs	31	31	33	33	33	37	

¹ Dimensions include burner cover if applicable (not extension of blast tube into combustion chamber).



Technical information subject to change without notice.