

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**

Viessmann Manufacturing Company Inc.  
750 McMurray Road  
Waterloo, ON N2V 2G5 • Canada  
Tel.: (519) 885-6300 Fax: (519) 885-0887  
www.viessmann.ca

Viessmann Manufacturing Company (U.S.) Inc.  
45 Access Road  
Warwick, RI 02886 • U.S.A.  
Tel.: (401) 732-0667 Fax: (401) 732-0590  
www.viessmann-us.com



## 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) <sup>1</sup> | 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   |     |

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



Technical information subject to change without notice.