

B R A D F O R D W H I T E



Infiniti Tankless™ Water Heater Series
Featuring SRT™ (Scale Reduction Technology)



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Bradford White's Infiniti Tankless™ Water Heater Series



RTG-199HE



The Infiniti Tankless™ Water Heater Series from Bradford White is designed to meet the needs of homeowners and professionals alike. These tankless water heaters combine energy and space saving features with exclusive designs that improve performance, simplify service, provide greater installation flexibility, and increase overall product life. Get to know the Infiniti Tankless™ Water Heater Series. You'll be impressed with all it has to offer.

Highlights

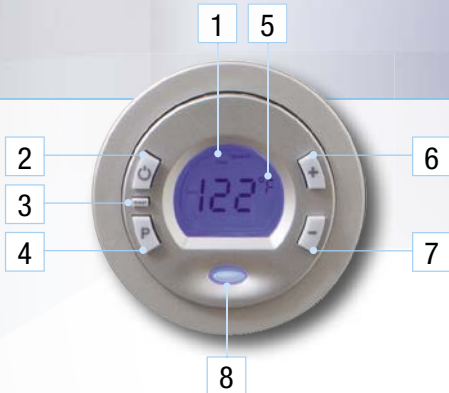
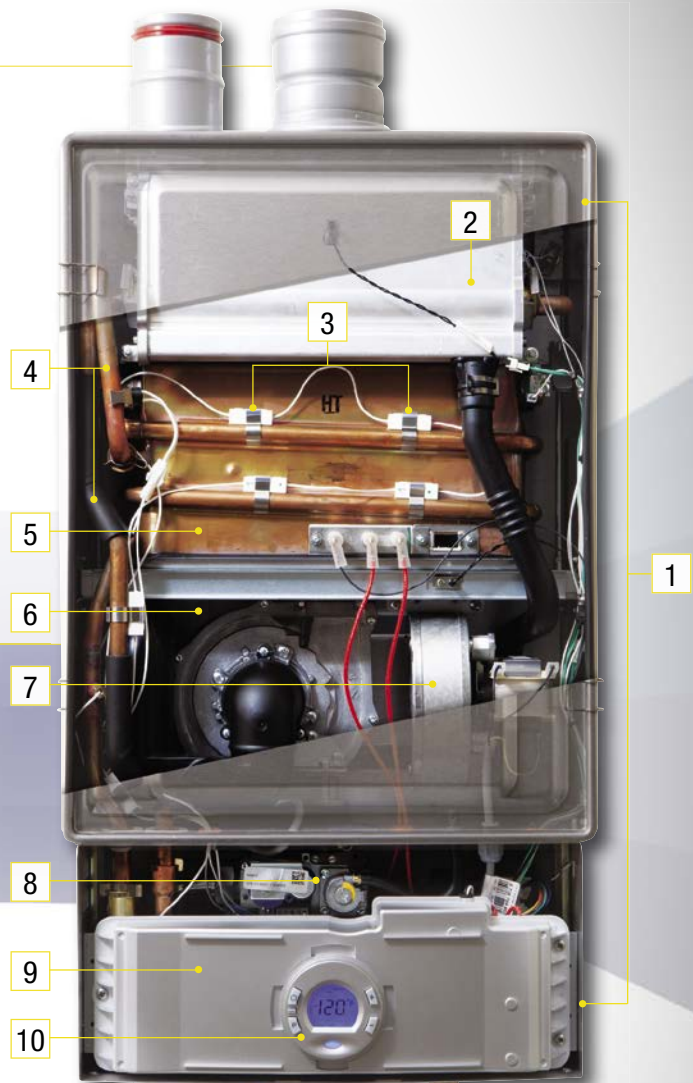
- **Exclusive SRT™ Scale Reduction Technology**
- **Up to 0.91 Uniform Energy Factor**
- **ENERGY STAR® Qualified (RTG-199HE only)**
- **Ultra Low NOx Vertical Modulating Burner Design**
- **Dual Fan Configuration**
- **Dual Heat Exchanger (RTG-199HE only)**
- **Built-In Digital Temperature Control and Diagnostics**
- **Superior Temperature Stability**
- **Venting Flexibility**
- **Full Frontal Access for Easy Maintenance**
- **Space Saving Installation**
- **Built-in Freeze Protection**
- **Interior and Exterior Installation Capability**



RTG-199ME

The Infiniti Tankless™ Exclusive Technologies and Features

1. Easy Access to All Components
2. High Thermal Conductivity Secondary Heat Exchanger
3. Heating Elements for Freeze Protection
4. All Copper Waterways
5. Primary Heat Exchanger
6. Fully Modulating Burner
7. Dual Fan Configuration
8. Active Bypass for Temperature Stability
9. Control Panel Slides into Cabinet Bottom for Easy Service
10. Digital Control Panel
11. External Access to Inlet Filter and Drain

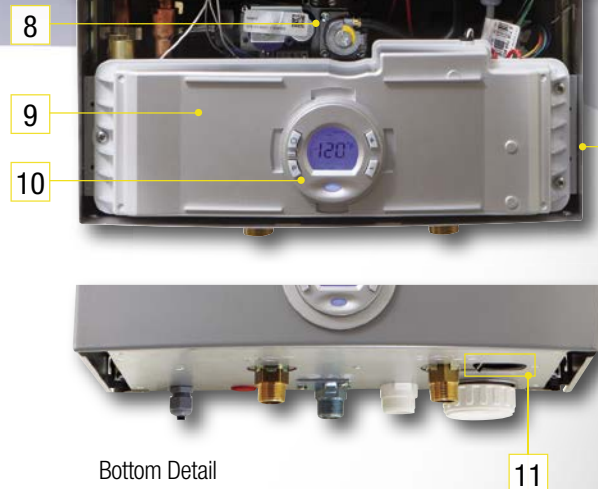


Built-in Digital Control Panel

- | | |
|------------------------|--------------------------|
| 1. Power Bar Indicator | 5. Temperature Indicator |
| 2. Power Button | 6. Up Button |
| 3. Reset Button | 7. Down Button |
| 4. Program Key | 8. Power On LED |

Control Panel Features

- 2°F Increment Temperature Adjustment
- Simple Diagnostics
- Ability to retrieve diagnostic readings from control panel display
- Display up to 10 previous diagnostic codes
- Retrieve number of hours and cycles



Bottom Detail



Fully Condensing High Efficiency and Non-Condensing Mid Efficiency Models

The Infiniti Tankless™ Water Heater Series is available in a fully condensing high efficiency model (RTG-199HE) and a non-condensing mid efficiency model (RTG-199ME). Both water heaters feature an input of 199,000 BTU/Hr., 100°F – 140°F temperature range, a fully-modulating Ultra Low NOx burner, easy-to-use digital controls, and a 12 year limited warranty on the heat exchanger and a 5 year limited warranty on all other parts.

- *Cut Energy Costs*
- *Only Heat Water On Demand*
- *Continuous Flow of Hot Water*
- *Simultaneous, Multiple Point-of-Use Hot Water Supply*
- *Save Space*
- *Quick, Easy and Accurate Temperature Control*

Condensing Technology

The Infiniti Tankless™ RTG-199HE capitalizes on the very latest, energy saving condensing technologies. Instead of sending hot gases from combustion out the flue, the Infiniti captures this heat and transfers it to the incoming cold water through a high thermal conductivity, aluminum heat exchanger with all copper waterways. The result of this process is higher efficiency and less emissions. And since exhaust gases have been greatly reduced, less expensive and more versatile venting can also be used.

- *Higher Efficiency*
- *More Energy Savings*
- *Less Emissions*
- *More Installation Options*



Featuring the Exclusive SRT™ Scale Reduction Technology

Built into the Infiniti Tankless™ models is SRT™ (Scale Reduction Technology). The SRT™ system utilizes multiple components to reduce scale. These components disturb water-flow and greatly reduce hotspots that allow scale to accumulate. The SRT™ system significantly reduces the incidence of scale build-up known to result in poor performance, premature component or product failure, and ultimately additional maintenance costs for the consumer.

- *Greatly Reduces Scale Build Up*
- *Improves Performance*
- *Lengthens Operational Life*
- *Less Maintenance*

ENERGY STAR® Qualified

The fully condensing Infiniti model (RTG-199HE) is ENERGY STAR® qualified and achieves an outstanding 0.91 Uniform Energy Factor, making it a great option for customers seeking high efficiency and energy savings or a product that qualifies under utility rebate programs throughout the country.



Great Temperature Stability

To minimize water temperature fluctuation during hot water usage, the RTG-199HE Infiniti Tankless™ is equipped with an automatic bypass system. The modulating bypass system creates unsurpassed temperature stability throughout the draw. The Infiniti Tankless™ RTG-199ME is equipped with a water adjustment valve that helps to maintain consistent outlet temperatures.

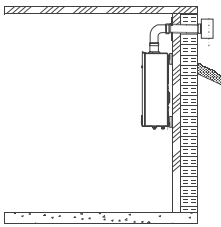
Greater Installation Flexibility

Infiniti Tankless™ water heaters give design engineers and installing contractors a wide array of venting options. Most notably, the Infiniti fully condensing high efficiency model (RTG-199HE) is approved for use with PVC, CPVC, ABS and Polypropylene, and is available with an optional “up & out” concentric vent kit requiring only one penetration through the wall or roof. Below are some of the many venting configurations available.

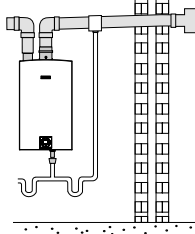
Type	Maximum 2" Exhaust Vent†	Maximum 3" Exhaust Vent	Maximum 4" Exhaust Vent	Common Vent
Twin Pipe	9.5 ft.	31 ft.	63 ft.	Up to 4 Units
Concentric	N/A	23 ft.	43 ft.	N/A

RTG-199HE

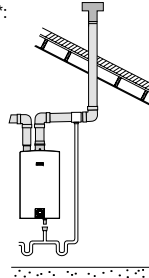
Minimum Vent Up & Out Set-up Side View



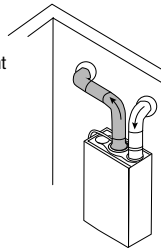
Power Vent**:
Horizontal



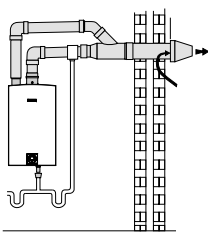
Power Vent*:
Vertical



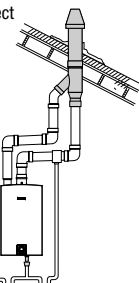
Exterior
Air Intake:
Power
Direct Vent



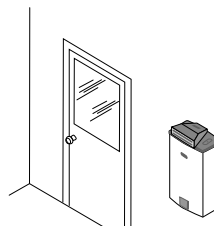
Power Direct Vent
Horizontal Concentric



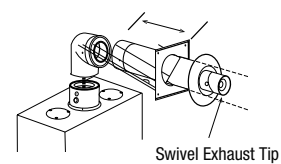
Power Direct
Vent
Vertical
Concentric



Outdoor Installation

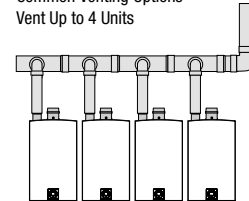


Up-and-Out Concentric Venting



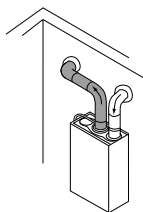
Swivel Exhaust Tip

Common Venting Options
Vent Up to 4 Units

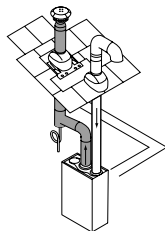


RTG-199ME

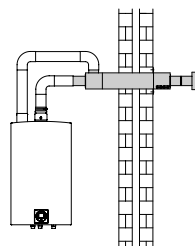
Horizontal Twin Pipe Termination



Vertical Twin Pipe Termination



Concentric Venting Through the Wall



† RTG-199HE model only.

* Install indoors with PVC venting up to 63' or outdoor with optional accessory kit.

** Room air set-ups must have adequate access to fresh air. This configuration should not be used in cold climates.

Please consult the product manuals for complete venting information and requirements.

Standard Features

- **SRT™ Scale Reduction Technology** – Significantly reduces the scale build-up known to result in poor performance, additional maintenance, and premature component or product failure.
 - **Vertical Modulating Burner** – Ultra low NOx burner disperses heat evenly across the entire heat exchanger surface area, eliminating hot spots that can cause lime accumulation and material stress known to reduce product efficiency and longevity.
 - **Dual Fan Configuration** – Assists with the even distribution of heat throughout the heat exchanger, increasing efficiency and reducing scale accumulation.
 - **Internal Turbulators** – Create significant turbulence of water as it moves through the heat exchanger, greatly reducing the occurrence of scale buildup throughout the system.
- **Dual Heat Exchanger (RTG-199HE only)** – Primary heat exchanger is comprised of copper and the secondary condensing heat exchanger is comprised of aluminum casing to be more advantageous against thermal stress. Both heat exchangers have all copper waterways to insure a high thermal conductivity.
- **Heat Exchanger (RTG-199ME)** – Comprised of copper with copper waterways to insure a high thermal conductivity.
- **Built-In Digital Control** – Temperature can be adjusted on the front control panel (100-140°F). Can store up to 10 previous diagnostic codes to assist with service. Multiple indicators for ease of monitoring.
- **Active Bypass (RTG-199HE only)** – Achieves superior temperature stability.
- **Cascading Kit (Optional)** – Up to 24 units can be connected together with ease to meet larger demands. The intelligent cascading capabilities create a dependable, shared operation system with alternating primary units for balanced distribution of workloads, better performance and increased product longevity.
- **Venting Flexibility** – Common venting, twin pipe and concentric termination approved. PP, PVC, CPVC and ABS approved venting material (refer to I&O manual for details). Altitude tested up to 8000ft.
- **Gas Connection Flexibility** – 1/2", 3/4", or 1" connections permitted (refer to I&O manual for details).
- **Inlet Water Filter** – Full frontal access for easy maintenance.
- **Space Saving Installation** – Compact size for tight installations.
- **Built-in Freeze Protection** – Protects water from freezing inside the unit's copper pipes. Activates automatically when the water heater is plugged in.
- **Interior and Exterior Installation Capability** – Outdoor installation requires optional outdoor kit. Recess box and pipe enclosure available.
- **Ultra Low NOx Emissions** – Complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit).
- **12-Year Limited Residential Heat Exchanger Warranty.**
- **5-Year Limited Parts Warranty.**



Specs at a Glance

Model	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Flow @ 45°F Rise	Flow @ 75°F Rise	Flow @ 90°F Rise	Uniform Energy Factor	Min. Water Flow	Max. Temp. Setting °F
RTG-199HE	19,900-199,000	19,900-199,000	8.3 gpm	5.0 gpm	4.2 gpm	0.91	0.5 gpm	140
RTG-199ME	19,900-199,000	19,900-199,000	7.3 gpm	4.4 gpm	3.7 gpm	0.84	0.5 gpm	140

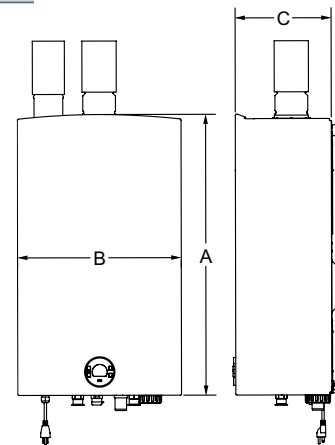
Model	Installation	A Height in.	B Width in.	C Depth in.	Approx. Shipping Weight (lbs.)
RTG-199HE	Indoor/Outdoor*	30 ⁹ / ₁₆	17 ¹³ / ₁₆	10 ⁷ / ₁₆	74
RTG-199ME	Indoor/Outdoor*	30 ⁹ / ₁₆	17 ¹³ / ₁₆	10 ⁷ / ₁₆	67

*Outdoor installation requires optional outdoor kit (Part# 7736502748).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



RTG-199HE-N model only.



Committed to the Professional.

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WATER HEATERS
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