

Residential Ultra Low NOx High Input Gas Water Heater

The Atmospheric Vent High Input Models Feature:



Photo is of
URG250H6N

- **Bradford White ICON System™**—Intelligent gas control with proven millivolt powered technology and built-in piezo igniter. A standard, off-the-shelf thermopile converts heat energy from the pilot flame into electrical energy to operate the gas valve and microprocessor. No need for external electricity.
 - **Enhanced Performance**—Proprietary algorithms provide enhanced First Hour Delivery ratings and tighter temperature differentials.
 - **Advanced Temperature Control System**—Microprocessor constantly monitors and controls burner operation to maintain consistent and accurate water temperature levels.
 - **Intelligent Diagnostics**—An exclusive green LED light prompts the installer during start-up and provides ten different diagnostic codes to assist in troubleshooting.
 - **Pilot On Indication**—Flashing green LED provides positive indication that pilot is on.
 - **Separate Immersed Thermowell**—High-strength advanced polymer composite thermowell provides isolation between electric temperature sensor and surrounding water. No need to drain the tank when removing gas valve.
- **Defender Combustion Chamber**—Incorporates the Advanced ScreenLok® Technology Flame Arrestor and large split-door design to prevent ignition of flammable vapors outside the water heater (URG250H6N only).
- **Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices**—Ensures proper air to gas ratio for reduction of NOx generated by the combustion process.
- **Digital Thermal Sensor and Resettable Thermal Switch**—Coordinates with self diagnostic control to prevent water heater operation when needed (URG250H6N only).
- **Maintenance-Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions (URG250H6N only).
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Factory-Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build-up in tank. Increases first hour delivery of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—Bradford White tanks are lined with an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Side Connections**—3/4" NPT tappings allow an easy connection for space heating applications.
- **Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies, and jacket rigidity.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning while providing corrosion-resistant contact with floor (URG250H6N / URG275H6N only).
- **Water Connections**—Factory-installed true dielectric fittings extend water heater life and ease installation.
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **4" (107mm) "Snap Lock" Draft Diverter.**
- **T&P Relief Valve**—Installed.
- **Low Restriction Brass Drain Valve**—Durable tamper-proof design.
- **Design Certified by CSA International (formerly AGA and CGA).**
- **URG250H6N complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit) URG275H6N / URG2100H6N complies with (14 ng/J NOx limit).**

FEATURING:



6 or 10-Year Limited Tank Warranties / 6 or 10-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. Defender Safety System®, ScreenLok®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Residential Atmospheric Vent Gas Water Heater

Ultra Low NOx Models

NATURAL GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
Recovery efficiency ranging up to 79%

Model Number	Capacity		Nat. BTU/Hr. Input	1st Hour Rating (Gal.)	Energy Factor	Recovery at 90°F Rise*		A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Space Heating Return in.	G Floor to Space Heating Outlet in.	H Floor to Top of Heater in.	J Floor to Water Conn. in.	K Depth in.	L C/L of Water Conn. in.	M NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				Nat. U.S. GPH	Nat. Imp. GPH													
URG250H6N	48	40	55,000	100	0.60	59	49	60 ⁵ / ₁₆	22	4	49 ⁷ / ₈	11 ¹ / ₂	13 ³ / ₈	49 ⁷ / ₈	56 ³ / ₈	57 ¹³ / ₁₆	25 ⁷ / ₁₆	11	3/4	194
URG275H6N	75	62	76,000	N/A	N/A	82	68	64 ¹ / ₈	26	4	53 ⁹ / ₁₆	15 ¹ / ₈	16 ⁵ / ₈	53 ⁹ / ₁₆	60 ¹ / ₈	61 ¹ / ₈	29 ⁷ / ₁₆	11	1	286
URG2100H6N	100	83	85,000	N/A	N/A	92	77	70 ⁷ / ₁₆	28 ¹ / ₄	4	60 ⁷ / ₁₆	16 ³ / ₄	18 ³ / ₄	51 ³ / ₄	68	69 ¹ / ₈	31 ¹ / ₂	16	1 ¹ / ₄	416

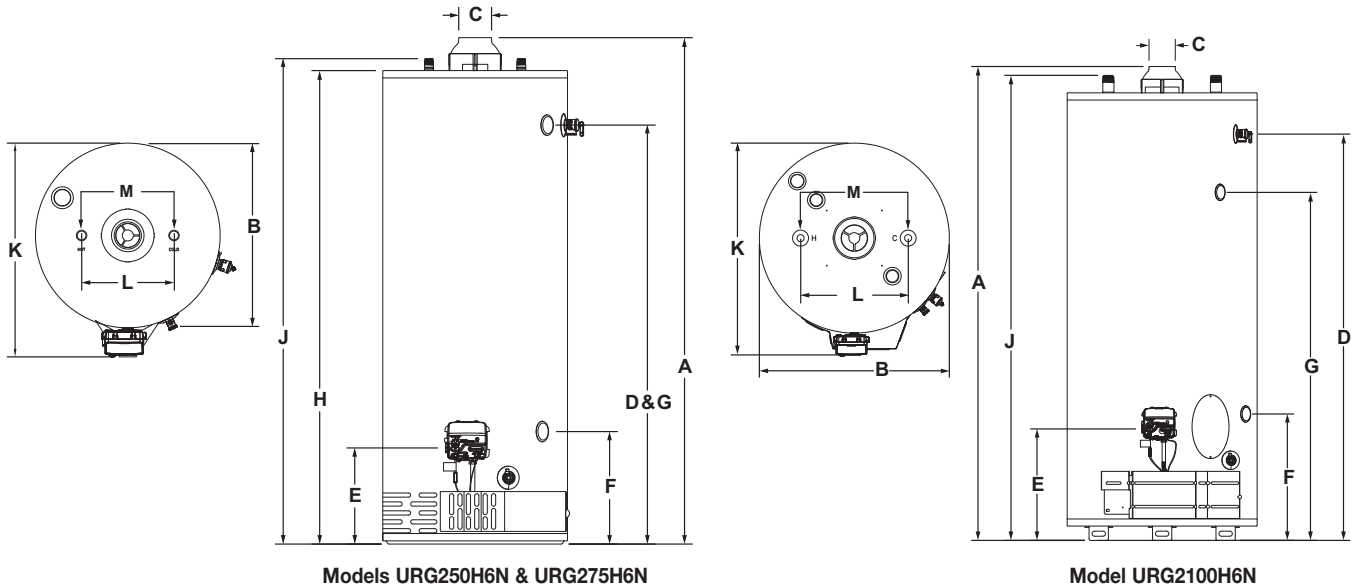
Model Number	Capacity		Nat. kW Input	1st Hour Rating (Liters)	Energy Factor	Recovery at 50°C Rise*		A Floor to Flue Conn. mm.	B Jacket Dia. mm.	C Vent Size mm.	D Floor to T&P Conn. mm.	E Floor to Gas Conn. mm.	F Floor to Space Heating Return mm.	G Floor to Space Heating Outlet mm.	H Floor to Top of Heater mm.	J Floor to Water Conn. mm.	K Depth mm.	L C/L of Water Conn. mm.	M NPT mm.	Approx. Shipping Weight kg.
	Liters					Nat. Liters/Hour														
URG250H6N	182		16.1	379	0.60	223		1532	559	102	1267	292	340	1267	1432	1468	646	279	19	88
URG275H6N	284		22.3	N/A	N/A	310		1629	660	102	1360	384	422	1360	1527	1553	748	279	25	130
URG2100H6N	379		24.9	N/A	N/A	348		1789	718	102	1535	425	476	1314	1727	1756	800	406	32	189

Available in Natural Gas only.

For 10 year models, change suffix from "6" to "10".

*Based on manufacturer's rated recovery efficiency.

Energy Factor and First Hour Rating is based on the latest AHRI directory listings.



General:

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All Gas Connections are 1/2" (13mm). All models design-certified by CSA International (formerly AGA/CGA), to meet ANSI standard Z-21.10.3 (Z-21.10.1 for 50-gallon) and peak performance rated.

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

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

BRADFORD WHITE-CANADA INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

Built to be the Best™

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