

Residential Atmospheric Vent High Input Gas Water Heater



Photo is of
RG2100H6N

FEATURING:



The Atmospheric Vent High Input Models Feature (excluding RG155H6N):

- **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 Rating and tighter temperature differential.
 - **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.

All Atmospheric Vent High Input Models Feature:

- **Factory-Installed Hydrojet 2™ Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build-up in tank and increases first hour delivery of hot water.
- **Vitraglas® Lining**—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" (19mm) NPT tapings that allow easy connections for space heating applications (potable water only).
- **Insulation System**—Non-CFC foam covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Pedestal Base** (RG250H6N & RG275H6N).
- **Water Connections**—Factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Hand Hole Cleanout**—Allows inspection of tank interior and facilitates the removal of sediment deposits (RG2100H6N models only).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **4" (107mm) "Snap Lock" Draft Diverter.**
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Thermostatic Mixing Valve (ASSE Approved)**—Included with RG155H6N only.
- **NOx Emissions – Less than 40 ng/J.**

*May vary by region



6 or 10-Year Limited Tank Warranties / 6-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. Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Residential Atmospheric Vent Gas Water Heater

High Input Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Nominal Capacity		DOE Rated Storage Volume (Gal.)	Nat. BTU/Hr. Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*				Model Number	Nominal Capacity		DOE Rated Storage Volume (Liters)	Nat. kW Input		First Hour Rating (Liters)	Uniform Energy Factor	Recovery at 50°C Rise*	
	U.S. Gal.	Imp. Gal.		BTU/Hr.	LP BTU/Hr. Input			Nat. U.S. GPH	Nat. Imp. U.S. GPH	LP U.S. GPH	LP Imp. U.S. GPH		Model Number	Liters		Liters	Nat. kW Input			LP kW Input	Nat. Liters/Hour
RG250H6N	48	40	46	65,000	61,000	104	0.63	70	35	66	55	RG250H6N	182	174	174	19.0	17.9	394	0.63	265	250
RG155H6N	55	46	55	80,000	78,000	117	0.61	86	72	84	70	RG155H6N	208	208	208	23.4	22.9	443	0.61	326	318
RG275H6N	75	63	72	76,000	76,000	126	0.59	82	68	82	68	RG275H6N	284	273	273	22.3	22.3	477	0.59	310	310
RG2100H6N	100	83	95	85,000	88,000	137	0.57	92	77	95	79	RG2100H6N	379	360	360	24.9	25.7	519	0.57	348	360

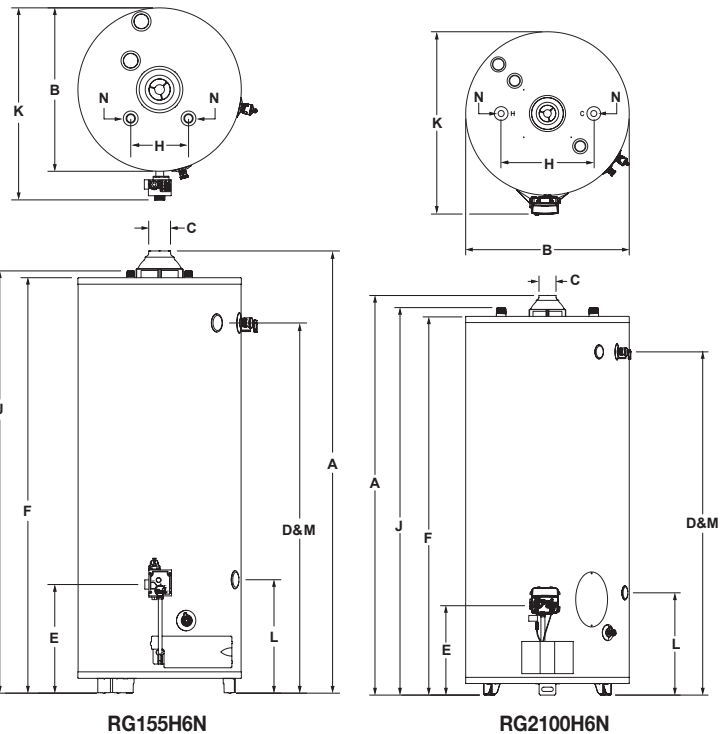
Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	H C/L of Water Conn. in.	J Floor to Water Conn. in.	K Depth in.	L Floor to Space Heating Inlet in.	M Floor to Space Heating Outlet in.	N NPT in.	Approx. Shipping Weight lbs.
RG250H6N	60	22	4	49 ¹⁵ / ₁₆	13	56 ⁵ / ₈	11	57 ⁷ / ₈	26	13 ¹ / ₂	49 ¹⁵ / ₁₆	3/4	189
RG155H6N	59 ¹ / ₂	22	4	49 ⁷ / ₈	14 ¹³ / ₁₆	55 ¹⁵ / ₁₆	8	57 ⁷ / ₈	25 ⁷ / ₈	15 ⁷ / ₁₆	49 ⁷ / ₈	3/4	210
RG275H6N	62 ⁵ / ₈	26	4	51 ⁷ / ₈	15	59	11	60 ⁷ / ₁₆	27 ¹ / ₄	16 ⁵ / ₈	51 ⁷ / ₈	1	249
RG2100H6N	71 ¹ / ₂	28 ¹ / ₄	4	59 ⁵ / ₁₆	15 ⁷ / ₁₆	65 ¹ / ₂	16	66 ¹⁵ / ₁₆	31 ¹ / ₂	17 ¹ / ₁₆	50 ⁵ / ₈	1 ¹ / ₄	413

Model Number	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 Top of Heater mm.	H C/L of Water Conn. mm.	J Floor to Water Conn. mm.	K Depth mm.	L Floor to Space Heating Inlet mm.	M Floor to Space Heating Outlet mm.	N NPT mm.	Approx. Shipping Weight kg.
RG250H6N	1524	559	102	1268	330	1438	279	1470	660	343	1268	19	86
RG155H6N	1511	559	102	1267	376	1421	203	1470	657	392	1267	19	95
RG275H6N	1591	660	102	1318	381	1499	279	1535	692	422	1318	25	113
RG2100H6N	1816	718	102	1507	392	1664	406	1700	800	449	1286	32	187

Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10" (Not available on RG155H6N). *Based on manufacturer's rated recovery efficiency. RG2100H6N model features hand hole cleanout.

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



RG250H6N / RG275H6N

RG155H6N

RG2100H6N

Meets NAECA Requirements (Applicable Models).

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), ANSI standard Z-21.10.3 and peak performance rated (RG250H6N = ANSI Z-21.10.1).

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
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