

Residential Atmospheric Vent High Input Gas Water Heater



Photo is of
RG2100H6N

FEATURING:



The Atmospheric Vent High Input Models Feature:

- **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.
- **Factory-Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build-up in tank and increases first hour rating 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 tappings 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** (except RG2100H6N).
- **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 RG255H6N only.
- **NOx Emissions**—Less than 40 ng/J.

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.

Residential Atmospheric Vent High Input Gas Water Heater

High Input Models

NATURAL GAS AND LIQUID PROPANE GAS

Model Number	Nominal Gal. Capacity		BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Energy Factor	Recovery at 90°F Rise*				Model Number	Nominal Liter Capacity	kW Input	LP kW Input	First Hour Rating (Liters)	Energy Factor	Recovery at 50°C Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH							U.S. GPH	Imp. GPH
RG250H6N	48	40	65,000	65,000	110	0.60	70	35	70	35	RG250H6N	182	19.0	17.9	416	0.60	265	265
RG255H6N	55	46	78,000	78,000	N/A	N/A	84	70	84	70	RG255H6N	208	22.9	22.3	N/A	N/A	318	318
RG275H6N	75	63	76,000	76,000	N/A	N/A	82	68	82	68	RG275H6N	284	22.3	22.3	N/A	N/A	310	310
RG2100H6N	100	83	80,000	80,000	N/A	N/A	85	71	85	71	RG2100H6N	379	23.4	23.4	N/A	N/A	322	322

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.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG250H6N	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	11	13 7/16	49 15/16	3/4	3/4	1/2	189
RG255H6N	58 1/2	24	4	48 1/8	13 1/8	54 3/4	56 1/2	27 1/4	8	13 1/2	48 1/8	3/4	3/4	1/2	210
RG275H6N	62 5/8	26	4	51 7/8	15	59 5/8	60 1/16	29 1/4	11	16 5/8	51 7/8	1	3/4	1/2	240
RG2100H6N	71 1/2	28 1/4	4	59 5/16	15 3/16	65 5/16	66 1/2	31 3/4	16	17 5/8	50 5/8	1 1/4	3/4	1/2	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.	G Floor to Water Conn. mm.	H Depth mm.	J C/L of Water Conn. mm.	K Floor to Space Heating Inlet mm.	L Floor to Space Heating Outlet mm.	M Water Conn. NPT mm.	R Space Heating Conn. Size mm.	S Gas Conn. Size mm.	Approx. Shipping Weight kg.
RG250H6N	1527	559	102	1268	330	1438	1457	648	279	341	1268	19	19	13	86
RG255H6N	1486	607	102	1222	333	1391	1435	692	203	343	1222	19	19	13	95
RG275H6N	1591	660	102	1318	381	1514	1526	743	279	422	1318	25	19	13	109
RG2100H6N	1816	718	102	1507	389	1659	1689	806	406	448	1286	32	19	13	187

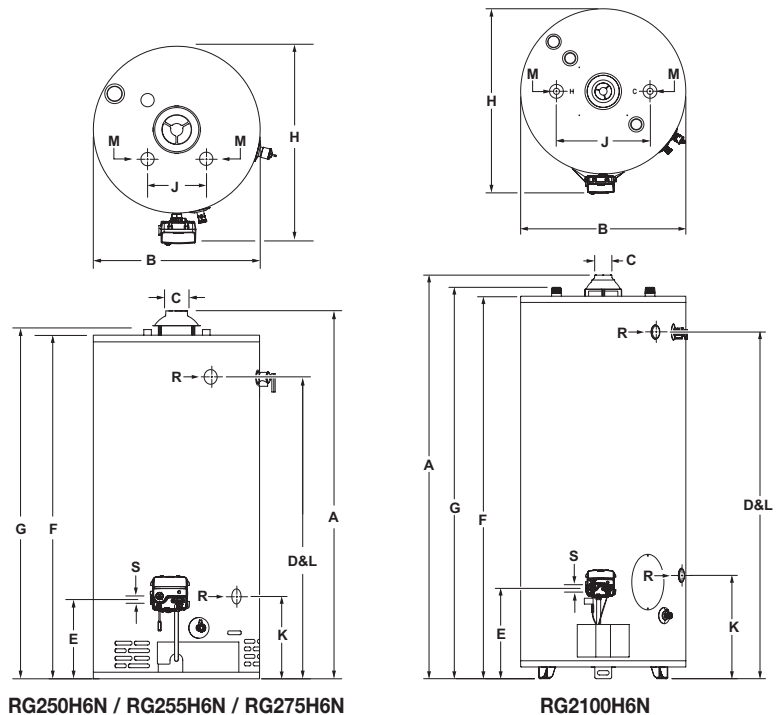
Propane models feature a Titanium Stainless Steel propane burner.

For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10" (Not available on RG255H6N).

* Based on manufacturer's rated recovery efficiency.

RG2100H6N model features hand hole cleanout.



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 Z21.10.3 and peak performance rated (RG250H6N = ANSI Z21.10.1).

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 field service, contact your professional installer or local Bradford White sales representative.

Sales / Technical Support 1-866-690-0961 / 905-203-0600

Fax 905-636-0666 / Email bwccotech@bradfordwhite.com / www.bradfordwhite.com

Built to be the Best™