

Residential Atmospheric Vent Gas Water Heater



Photo is of
RG240T6N

FEATURING:

DEFENDER
SAFETY SYSTEM™

ICON
System



AHRI CERTIFIED™
www.ahridirectory.org



The Atmospheric Vent FVIR Defender Safety System® Models Feature:

- **Bradford White ICON System®**—Intelligent gas control with proven millivolt powered technology and built-in piezo igniter. A thermopile converts heat energy into electrical energy to operate the gas valve and microprocessor. Requires no external power.
 - **Performance Enhancing Proprietary Algorithms.**
 - **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 five different diagnostic codes to assist in troubleshooting.
 - **Pilot On Indication**—Flashing green LED provides positive indication that pilot is on.
 - **Durable Copper Thermowell and Brass Shank.**
- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater.
- **Resettable Thermal Switch**—Proven and reliable bimetallic switch prevents burner and pilot operation in case of ongoing flammable vapors burning inside of the combustion chamber or restricted air flow.
- **Maintenance-Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions.
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitrage® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitrage®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Small Diameter Models Available**— for limited space installations.
- **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.**
- **Water Connections**—3/4" (19mm) NPT factory installed true dielectric fittings.
- **Factory-Installed Heat Traps.**
- **Protective Anode Rod.**
- **3x4 "Snap Lock" Draft Diverter**—Allows either 3" (76mm) or 4" (102mm) vent connections with inputs of 40,000 BTU/Hr. or less. Over 40,000 BTU/Hr. has the 4" (102mm) "Snap Lock" Draft Diverter.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **NOx Emissions**—Less than 40 ng/J.

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; 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®, Vitrage® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Residential Atmospheric Vent Gas Water Heater

Atmospheric Vent Models

NATURAL GAS AND LIQUID PROPANE GAS

Recovery efficiency ranging up to 80%

Model Number	Rated Nominal Volume		BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Energy Factor	Recovery at 90°F Rise*				Model Number	Rated Nominal Volume		BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Liters)	Recovery at 50°C Rise*	
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	U.S. GPH	LP Imp. GPH		Liters		kW Input	LP kW Input		Liters/Hour	LP Liters/Hour
RG130T6N*	30	25	27,000	27,000	46	0.54	n/a	29	24	29	24	RG130T6N*	114		7.9	7.9	174	110	110
RG230T6N*	30	25	32,000	31,000	60	0.60	n/a	34	28	33	23	RG230T6N*	114		9.4	9.1	227	129	125
RG230S6N	30	25	30,000	26,000	49	0.54	n/a	32	37	32	27	RG230S6N	114		8.8	7.6	185	121	121
RG140T6N*	40	33	34,000	34,000	64	0.59	n/a	37	31	37	31	RG140T6N*	151		10.0	10.0	242	139	139
RG240T6N*	40	33	40,000	36,000	75	0.64	n/a	43	36	34	33	RG240T6N*	151		11.7	10.5	284	163	129
RG240S6N*	40	33	40,000	38,000	69	0.58	n/a	43	36	41	34	RG240S6N*	151		11.7	11.1	261	163	155
RG150T6N*	50	42	34,000	34,000	75	0.63	n/a	37	31	37	31	RG150T6N*	189		10.0	10.0	284	139	139
RG250T6N*	50	42	40,000	36,000	81	0.63	n/a	43	36	41	34	RG250T6N*	189		11.7	10.6	307	163	155
RG250L6N	48	40	40,000	38,000	77	0.63	n/a	43	36	41	34	RG250L6N	182		11.7	11.1	291	163	155
RG250S6N*	50	42	50,000	48,000	75	0.63	n/a	54	45	52	45	RG250S6N*	189		14.6	14.1	284	204	197
RG260T6N\$	60	50	40,000	40,000	81	n/a	0.62	43	36	43	36	RG260T6N\$	227		11.7	11.7	307	163	163

Model Number	A Floor to Exhaust 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.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG130T6N*	59 3/4	16	3 or 4	49 3/4	13	56 1/4	57	19 1/2	8	3/4	1/2	106
RG230T6N*	59 3/4	18	3 or 4	49 3/4	13	56 1/4	57	21 1/2	8	3/4	1/2	116
RG230S6N	49 1/4	20	3 or 4	38 7/8	13	45 3/4	46 1/2	23 1/2	8	3/4	1/2	113
RG140T6N*	61 5/16	18	3 or 4	51 5/8	13	57 13/16	59 9/16	21 1/2	8	3/4	1/2	132
RG240T6N*	60 1/8	20	3 or 4	49 3/4	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	134
RG240S6N*	51 9/16	22	3 or 4	41 1/16	13	48 1/16	48 13/16	25 1/2	8	3/4	1/2	139
RG150T6N*	60 1/8	20	3 or 4	49 15/16	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	148
RG250T6N*	60 1/8	22	3 or 4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	154
RG250L6N	51 9/16	24	3 or 4	40 11/16	13	48 1/16	48 13/16	27 1/2	8	3/4	1/2	170
RG250S6N*	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	167
RG260T6N\$	60 3/4	24	3 or 4	50 1/2	13	57 3/16	58 3/4	28 1/2	8	3/4	1/2	192

Model Number	A Floor to Exhaust 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.	M Water Conn. NPT mm.	S Gas Conn. Size mm.	Approx. Shipping Weight kg.
RG130T6N*	1518	406	76 or 102	1264	330	1429	1448	495	203	19	13	48
RG230T6N*	1518	457	76 or 102	1264	330	1429	1448	546	203	19	13	53
RG230S6N	1251	508	76 or 102	987	330	1162	1181	597	203	19	13	51
RG140T6N*	1557	457	76 or 102	1311	330	1468	1513	546	203	19	13	60
RG240T6N*	1527	508	76 or 102	1264	330	1438	1457	597	203	19	13	61
RG240S6N*	1310	559	76 or 102	1043	330	1221	1240	648	203	19	13	63
RG150T6N*	1527	508	76 or 102	1268	330	1438	1457	597	203	19	13	67
RG250T6N*	1527	559	76 or 102	1268	330	1438	1457	648	203	19	13	70
RG250L6N	1310	610	76 or 102	1033	330	1221	1240	699	203	19	13	77
RG250S6N*	1527	559	102	1268	330	1438	1457	648	203	19	13	76
RG260T6N\$	1543	610	76 or 102	1283	330	1453	1492	724	203	19	13	87

§ Model is certified by CSA in accordance with the provisions of CSA P.3-04

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".

* Based on manufacturer's rated recovery efficiency.

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

• Models feature optional top T&P location and must be specified when ordering.

Note: RG230S6N and RG250L6N do not have top T&P option.

General:

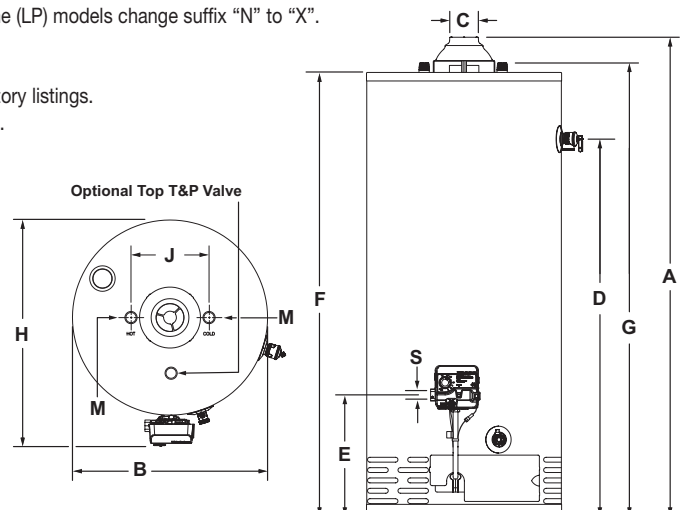
All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All water connections are 3/4" NPT (19mm) on 8" (203mm) centers. All gas connections are 1/2" (13mm).

All models design-certified by CSA International (formerly AGA/CGA), ANSI standard Z21.10.1 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.



Customer Service / Sales: 1-866-690-0961 / 905-203-0600
24/7 Technical Support: 800-334-3393 ■ Email techserv@bradfordwhite.com

Built to be the Best®