

Residential Atmospheric Vent Extra Recovery Energy Saver Gas Water Heater

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 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.
- 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 vapor burn 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—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 a exclusively engineered enamel formula that provides superior 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.
- Side Connections—3/4" NPT tappings allow easy connections for space heating applications (Potable water only).
- 2" 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 (M-1-XR403S has 1").
- Pedestal Base.
- Water Connections—3/4" NPT factory installed true dielectric fittings.
- Factory Installed Heat Traps.
- Protective Magnesium Anode Rod.
- 3x4 "Snap Lock" Draft Diverter—Allows either 3" or 4" vent connections with inputs of 40,000 BTU/Hr or less. Over 40,000 BTU/Hr. has the 4" "Snap Lock" Draft Diverter.
- T&P Relief Valve—Included.
- Low Restriction Brass Drain Valve—Durable tamper proof design.



Photo is of M-2-XR65T6FBN

FEATURING: 1











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.

Residential Atmospheric Vent Gas Water Heater

Extra Recovery Energy Saver Models

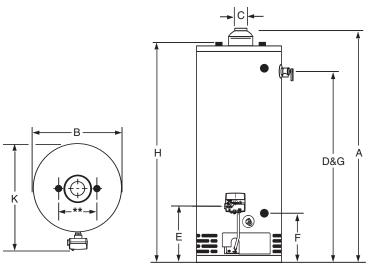
NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed 79% Recovery Efficiency

Model Number	Capacity						very* Rise		A Floor to Flue	B Jacket Dia.	C Vent Size	D Floor to T&P	E Floor to Gas	F Floor to Space	G Floor to Space	H Floor to Water	K Depth	Approx. Shipping Weight
	U.S. Gal.	lmp. Gal.	Nat. BTU/Hr.	LP BTU/Hr.	Nat. U.S. GPH		LP U.S. GPH	LP Imp. GPH	Conn. in.	in.	in.	Conn.	Conn. in.	Heating Return	Heating Outlet	Conn.	i	lbs.
	uai.		Input	Input	иРП	игп	игп				III.	in.		in.	in.	in.	in.	
M-1-XR403S6FBN	40	33	40,000	38,000	43	36	40	33	50	20	3x4	41	13	131/2	41	481/2	24	126
M-2-XR504T6FBN	48	40	65,000	61,000	69	57	65	54	59 ¹ / ₄	22	4	50	13	131/2	50	57	26	164
M-2-XR65T6FBN	65	54	65,000	63,000	69	57	67	56	63	24	4	531/2	123/16	131/2	531/2	603/4	28	205
Model Number	Capacity				Recovery* 50°C Rise		A Floor to	B Jacket	C Vent	D Floor to	E Floor to	F Floor to	G Floor to	H Floor to	K Depth	Approx. Shipping		
MAIIINGI						00 0	, 11130		Flue	Dia.	Size	T&P	Gas	Space	Space	Water		Weight
Nullipel			Nat.	LP	Na	t.	LP							Space Heating	Space Heating		20,0	Weight
Nulliper	Lite	ers	Nat. kW Input	LP kW Input		t. ers/	LP Lit	ers/	Flue			T&P	Gas	Space	Space	Water	mm.	Weight kg.
M-1-XR403S6FBN	Lite		kW	kW	Lit	t. ers/ ur	LP Lit	ers/ ur	Flue Conn.	Dia.	Size	T&P Conn.	Gas Conn.	Space Heating Return	Space Heating Outlet	Water Conn.	·	Weight
		i1	kW Input	kW Input	Lit Ho	t. ers/ ur	LP Lit Ho	ers/ ur 1	Flue Conn. mm.	Dia. mm.	Size mm.	T&P Conn. mm.	Gas Conn. mm.	Space Heating Return mm.	Space Heating Outlet mm.	Water Conn. mm.	mm.	Weight kg.

Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "BN" to "SX". For 10 year models, change suffix from "6" to "10".

^{*}Based on manufacturers rated recovery efficiency.



**M-1-XR403S water connections are on 8" centers, all other models are 11" centers.

Meets NAECA Requirements

General

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

All models design certified by CSA International (formerly AGA/CGA), ANSI Z-21.10.1 and/or 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

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Built to be the Best™

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