

## Atmospheric Vent Gas Water Heater



Photo is of  
M-I-5036FBN

**FEATURING:**



**Residential Warranty: 6 or 10 Year Limited Tank Warranty / 1 Year Parts Warranty.**

**Commercial Warranty: 3 or 5 Year Limited Tank Warranty / 1 Year Parts Warranty.**

For more information on warranty, please visit [www.bradfordwhite.com](http://www.bradfordwhite.com)

**The Atmospheric Vent FVIR Defender Safety System® Models Feature:**



Bradford White is ISO registered to the 9001-2008 standard.

- **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 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).
- **1" 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.**
- **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.
- **Suitable for residential and light duty commercial applications.**

# Atmospheric Vent Gas Water Heater

NATURAL GAS AND LIQUID PROPANE GAS

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

Model Number	Capacity		Recovery 90°F Rise*				A Floor to Flue Conn.	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Water Conn.	Approx. Shipping Weight		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. GPH								LP U.S. GPH	LP Imp. GPH
M-I-30T6FBN	30	25	32,000	31,000	33	28	32	27	59%	16	3x4	49%/56%	13	57½	104
M-I-30S6FBN	30	25	30,000	26,000	31	26	27	23	48%	18	3x4	38%	13	46%	100
M-I-40T6FBN	40	33	40,000	36,000	42	34	38	32	59%	18	3x4	50/56%	13	57%	120
M-I-40S6FBN	40	33	40,000	38,000	42	34	40	33	51%	20	3x4	41/49%	13	49%	128
M-I-50S6FBN	50	42	40,000	36,000	42	34	38	32	59%	20	3x4	50/57	13	58	145
M-I-50L6FBN	48	40	40,000	38,000	42	34	40	33	51%	22	3x4	40%	13	49%	153
M-I-50S6FBN	50	42	50,000	48,000	53	44	50	42	59	20	4	50/56%	13	57%	150

Model Number	Capacity		Recovery 50°C Rise*		A Floor to Flue Conn.	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Water Conn.	Approx. Shipping Weight	
	Liters	Nat. kW Input	LP kW Input	Nat. Liters/Hour								LP Liters/Hour
M-I-30T6FBN	114	9.4	9.1	125	121	1502	406	76x102	1264/1432	330	1461	47
M-I-30S6FBN	114	8.8	7.7	117	102	1229	457	76x102	9841	330	1187	45
M-I-40T6FBN	151	11.7	10.6	155	140	1508	457	76x102	1270/1438	330	1467	54
M-I-40S6FBN	151	11.7	11.1	155	148	1308	508	76x102	1041/1247	330	1248	58
M-I-50S6FBN	189	11.7	10.6	159	144	1514	508	76x102	1270/1445	330	1473	66
M-I-50L6FBN	182	11.7	11.1	159	151	1308	559	76x102	1029	330	1254	69
M-I-50S6FBN	189	14.7	14.1	201	189	1499	508	102	1270/1429	330	1464	68

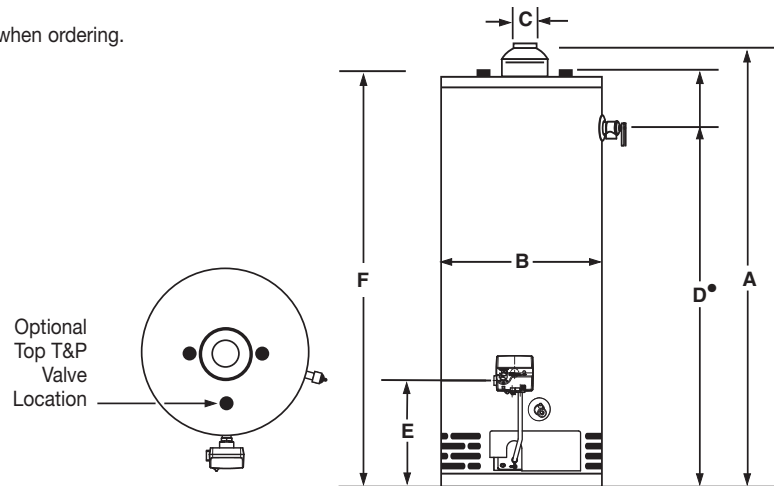
Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "BN" to "SX".

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

\*Based on manufacturers rated recovery efficiency.

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

Note: M-I-30S and M-I-50L do not have top T&P option.



• "D" dimension listed as side/top.

## 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 ¾" NPT (19mm) on 8" (203mm) centers. All gas connections are ½" (13mm).

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



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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