

TTW1

Residential Through-The-Wall Energy Saver Gas Water Heater



Photo is of
M-1-TW-40S6FBN

The TTW1 FVIR Defender Safety System® Models Feature:

- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater.
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected. The sensor will also prevent operation if there is ongoing flammable vapor burn inside the combustion chamber.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning, and provides corrosion resistant contact with floor.
- **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.
- **Power Vented Water Heater**—Designed for installations where atmospheric units cannot be used. Exhaust gases are vented under positive pressure directly out of the building through the roof or the wall.
- **Powerful Blower Motor**—Our design has higher torque for greater resistance to outside winds and the power to eliminate problems with difficult venting situations. This significantly quieter motor runs cooler for a considerably longer operational life.
- **Spark-to-Pilot Ignition System**—Eliminates the constant burning pilot used on other water heaters. This device results in savings of pilot gas during standby periods. (110 VAC required to heater).
- **Horizontal and Vertical Venting**—With 2" or 3" PVC, ABS or CPVC (Maximum equivalent vent length on reverse side).
- **Vitraglas® Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by a ceramic porcelain-like coating. The exclusive high silica ceramic lining provides a tough interior surface for our water heater tank.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **Protective Magnesium Rod**—Provides added protection against corrosion for long trouble-free service.
- **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 at top of tank.
- **Factory installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Water Connections**—3/4"NPT factory installed true dielectric fittings. Extends water heater life and eases installation.
- **1" Non-CFC Foam Insulation**—Covers the sides and top of tank to save energy by retarding loss of heat. Also increases jacket rigidity.
- **Electronic Gas Control Valve**—The integrated, immersion gas control valve offers more precise temperature control for higher first hour delivery and also allows water temperature adjustment without removing the cover. The control is equipped with an LED to display heater status and aid in diagnostics.
- **Brass Drain Valve.**
- **T&P Relief Valve Included.**
- **Stainless Steel Flue Baffle**—Designed to maximize the amount of heat absorbed in the lower portion of tank. Reduces air movement in the water heater during standby periods to retard heat loss up the flue.
- **Design Certified by CSA International (formerly AGA and CGA).**



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.

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Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
80% Recovery Efficiency

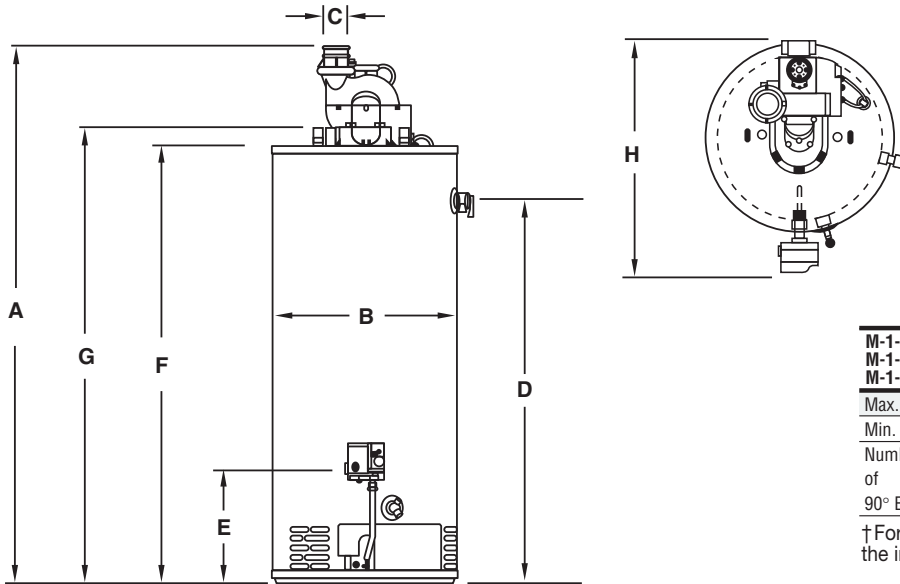
Model Number	Capacity		Recovery 90°F Rise*				A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	Approx. Shipping Weight lbs.		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Imp. U.S. GPH										LP U.S. GPH	LP Imp. GPH
M-1-TW-40S6FBN	40	33	40,000	38,000	43	36	41	34	56½	20	2	40½	11½	46½	48	24½	135
M-1-TW-50S6FBN	50	42	40,000	38,000	43	36	41	34	57½	22	2	40½	11½	47½	49½	26½	160
M-1-TW-60T6FBN	60	51	42,000	40,000	45	38	43	36	68	22	2	50½	11½	57½	58½	27½	193

Model Number	Capacity		Recovery 50°C Rise*				A Floor to Vent 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.	Approx. Shipping Weight kg.
	Liters		Nat. kW Input	LP kW Input	Nat. Liters/ Hour	LP Liters/ Hour									
M-1-TW-40S6FBN	151		11.7	11.0	163	155	1435	508	51	1030	298	1175	1220	632	75
M-1-TW-50S6FBN	190		11.7	11.0	163	155	1457	560	51	1038	298	1197	1251	679	84
M-1-TW-60T6FBN	227		12.3	11.7	170	163	1727	560	51	1292	298	1467	1486	692	88

All propane heaters are equipped with a cast iron burner. To order a propane heater change suffix "BN" to "CX".
For 10 year models, change suffix from "6" to "10".

*Based on manufacturer's rated recovery efficiency.

110 V.A.C. Required for Power Venting / 110 V.A.C., 60HZ, 3.1 Amperes



	2" Vent Pipe	3" Vent Pipe
M-1-TW40		
M-1-TW50		
M-1-TW60		
Max. Equivalent Length	†50 ft.	†120 ft.
Min. Equivalent Length	7 ft.	15 ft.
Number of 90° Elbows	1 2 3	45 ft. 110 ft. 105 ft.

†For high altitude installations, consult the installation instructions.

All natural gas models meet SCAQMD Requirements. 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" NPT (19mm) on 8" (203mm) centers, all gas connections are 1/2" (13mm).

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



Ambler, PA

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 / Fax on Demand 888-538-7833 / www.bradfordwhite.com



BRADFORD WHITE-CANADA INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhitecanada.com

Count On Bradford White

For *Everything* Hot Water™

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