

Commercial Jacketed Energy Saver Storage Tanks



Photo is of M-3-ST80R5

The Commercial Jacketed Storage Tank Models Feature:

- Applications—Designed for use with boilers, hot water circulation systems and large dump volume applications.
- Vitraglas[®] Lining—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas[®] lining provides a tough interior surface for our hot water tanks.
- Optional ASME Construction Available—M-3-ST200R5A comes standard with ASME construction.
- 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.
- Water Connections—2" NPT factory installed true dielectric fittings extend water heater life and eases installation (M-3-ST120R5A and M-3-ST200R5A have 2½" connections).
- Rear Connection—2" NPT spud allows for a rear water connection (M-3-ST120R5 and M-3-ST120R5A only).
- Hand Hole Cleanout—For removal of accumulated lime and sediment (M-3-ST-120R5 has optional hand hole cleanout).
- **Two Protective Magnesium Anode Rods**—Provide added protection against corrosion for long trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- T&P Relief Valve Opening (T&P Not Supplied)—All models have special tapping on side of tank.
- 3/4" NPT Aquastat Fitting.
- Brass Drain Valve.



5-Year Limited Tank Warranties / 1-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.

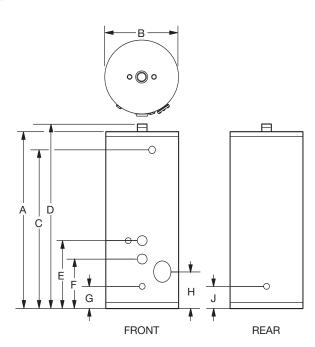
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (81)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534; 7,270,087 B2. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105; 2,409,271. Vitraglas[®] is a registered trademark of Bradford White[®] Corporation.

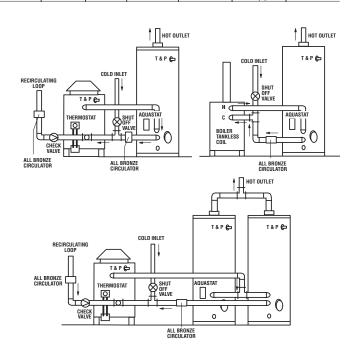
Model Number	Cap U.S.	acity Imp.	A Floor to Heater Top	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Hot Water Conn.	E Floor to Aquastat & Top Circ. Conn.	F Floor to Bottom Circ. Conn.	G Floor to Drain	H Floor to Hand Hole Cleanout	J Floor to Rear Water Conn.	Water Conn. Size.†	Approx. Shipping Weight
	Gal.	Gal.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
M-3-ST80R5	80	67	58 ³ /4	24	52 ¹ /2	59 ³ /4	14 ¹ /4	91/4	43/4	71/4	—	2(F)	192
M-3-ST80R5A*	80	67	58 ³ / ₄	24	52 ¹ / ₂	59 ³ / ₄	141/4	91/4	43/4	71/4	—	2(F)	278
M-3-ST120R5	119	100	62 ¹ /2	28	55 ³ /4	63 ¹ /2	14 ¹ /2	9 ¹ / ₂	5	_	5	2(F), 2(R)	312
M-3-ST120R5A*	119	100	62 ¹ /2	28	553/4	63 ¹ /2	141/2	9 ¹ / ₂	5	71/2	5	21/2(F), 2(R)	366
M-3-ST200R5A*	200	167	77	32	66	78	16 ¹ /4	11 ¹ / ₄	63/4	91/4	_	21/2(F)	541
Model	Capacity		Α	В	C	D	E	F	G	Н	J	Water	Approx.
Number			Floor to Heater Top	Jacket Dia.	Floor to T&P Conn.	Floor to Hot Water Conn.	Floor to Aquastat & Top Circ. Conn.	Floor to Bottom Circ. Conn.	Floor to Drain	Floor to Hand Hole Cleanout	Floor to Rear Water Conn.	Conn. Size.†	Shipping Weight
Number	Lit	ers	Heater		T&P	Hot Water	Aquastat	Bottom		Hand Hole	Rear Water		Shipping Weight kg.
Number M-3-ST80R5		ers 03	Heater Top	Dia.	T&P Conn.	Hot Water Conn.	Aquastat & Top Circ. Conn.	Bottom Circ. Conn.	Drain	Hand Hole Cleanout	Rear Water Conn.	Size.†	Weight
	30		Heater Top mm.	Dia. mm.	T&P Conn. mm.	Hot Water Conn. mm.	Aquastat & Top Circ. Conn. mm.	Bottom Circ. Conn. mm.	Drain mm.	Hand Hole Cleanout mm.	Rear Water Conn. mm.	Size.† mm.	Weight kg.
M-3-ST80R5	3(3(03	Heater Top mm. 1492	Dia. mm. 610	T&P Conn. mm. 1334	Hot Water Conn. mm. 1518	Aquastat & Top Circ. Conn. mm. 362	Bottom Circ. Conn. mm. 235	Drain mm . 121	Hand Hole Cleanout mm. 184	Rear Water Conn. mm.	Size.† mm. 51(F)	Weight kg. 87
M-3-ST80R5 M-3-ST80R5A*	30 30 45	03 03	Heater Top mm. 1492 1492	Dia. mm. 610 610	T&P Conn. mm. 1334 1334	Hot Water Conn. mm. 1518 1518	Aquastat & Top Circ. Conn. mm. 362 362	Bottom Circ. Conn. mm. 235 235	Drain mm. 121 121	Hand Hole Cleanout mm. 184 184	Rear Water Conn. mm. —	Size.† mm. 51(F) 51(F)	kg. 87 126

Jacketed Small Volume Energy Saver Models

*Meets American Society of Mechanical Engineers (ASME) Code.

†F=Front Water Connections. R= Rear Water Connections.





Meet or exceed ASHRAE 90.1b (current standard)

General

Water connections 2" (51mm) NPT (except where noted). T&P tapping 1" (25mm) NPT. Aquastat tapping 3/4" (19mm) NPT. All models certified at 300 psi test pressure (2068 kPa) and 150 psi working pressure (1034 kPa).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



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 / 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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