

# Jacketed Tanks

## Commercial Storage

### Features

- **Vitraglas® Lining with Microban®**—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.

### Additional Details

- **Applications**—Designed for use with boilers, hot water circulation systems and large dump volume applications.
- **Optional ASME Construction Available**—M-3-ST200R5A comes standard with ASME construction.
- **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.
- **Water Connections**—2" (51mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections (M-3-ST120R5A and M-3-ST200R5A have 2½" (64mm) connections).
- **Rear Connection**—2" (51mm) 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-ST120R5 has an optional hand hole cleanout).
- **Two Protective Anode Rods**—Provide added protection against corrosion for long-term, 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.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **¾" (19mm) NPT Aquastat Fitting.**
- **Designed for Storage of Potable Water up to 180°F (82°C).**



Photo is of M-3-ST80R5



### 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

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

For products installed in USA, Canada, and Puerto Rico. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

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### SPECIFICATIONS

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

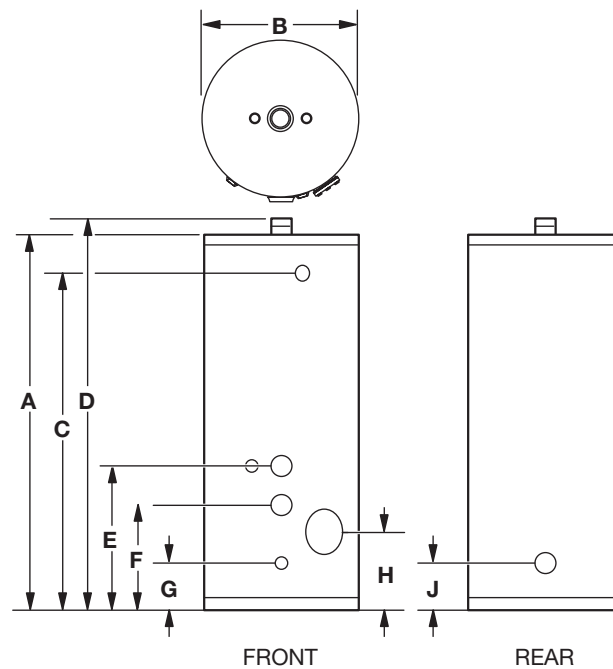
| Model Number  | Capacity  |           | A                              | B                  | C                              | D                               | E  | F                                  | G                             | H                                  | J                                | Water Conn. Size.†                        | Approx. Shipping Weight |
|---------------|-----------|-----------|--------------------------------|--------------------|--------------------------------|---------------------------------|--|------------------------------------|-------------------------------|------------------------------------|----------------------------------|---|-------------------------|
|               | U.S. Gal. | Imp. Gal. | Floor to Heater Top<br>in.     | Jacket Dia.<br>in. | Floor to T&P Conn.<br>in.      | Floor to Hot Water Conn.<br>in. | Floor to Aquastat & Top Circ. Conn.<br>in. | Floor to Bottom Circ. Conn.<br>in. | Floor to Drain<br>in.         | Floor to Hand Hole Cleanout<br>in. | Floor to Rear Water Conn.<br>in. | in.                                       | lbs.                    |
| M-3-ST80R5    | 80        | 67        | 58 <sup>3</sup> / <sub>4</sub> | 24                 | 52 <sup>1</sup> / <sub>2</sub> | 59 <sup>3</sup> / <sub>4</sub>  | 14 <sup>1</sup> / <sub>4</sub>             | 9 <sup>1</sup> / <sub>4</sub>      | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>4</sub>      | —                                | 2(F&T)                                    | 192                     |
| M-3-ST80R5A*  | 80        | 67        | 58 <sup>3</sup> / <sub>4</sub> | 24                 | 52 <sup>1</sup> / <sub>2</sub> | 59 <sup>3</sup> / <sub>4</sub>  | 14 <sup>1</sup> / <sub>4</sub>             | 9 <sup>1</sup> / <sub>4</sub>      | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>4</sub>      | —                                | 2(F&T)                                    | 278                     |
| M-3-ST120R5   | 119       | 100       | 62 <sup>1</sup> / <sub>2</sub> | 28                 | 55 <sup>3</sup> / <sub>4</sub> | 63 <sup>1</sup> / <sub>2</sub>  | 14 <sup>1</sup> / <sub>2</sub>             | 9 <sup>1</sup> / <sub>2</sub>      | 5                             | —                                  | 9 <sup>1</sup> / <sub>2</sub>    | 2(F&T), 2(R)                              | 312                     |
| M-3-ST120R5A* | 119       | 100       | 62 <sup>1</sup> / <sub>2</sub> | 28                 | 55 <sup>3</sup> / <sub>4</sub> | 63 <sup>1</sup> / <sub>2</sub>  | 14 <sup>1</sup> / <sub>2</sub>             | 9 <sup>1</sup> / <sub>2</sub>      | 5                             | 7 <sup>1</sup> / <sub>2</sub>      | 9 <sup>1</sup> / <sub>2</sub>    | 2 <sup>1</sup> / <sub>2</sub> (F&T), 2(R) | 366                     |
| M-3-ST200R5A* | 200       | 167       | 77                             | 32                 | 66                             | 78                              | 16 <sup>1</sup> / <sub>4</sub>             | 11 <sup>1</sup> / <sub>4</sub>     | 6 <sup>3</sup> / <sub>4</sub> | 9 <sup>1</sup> / <sub>4</sub>      | —                                | 2 <sup>1</sup> / <sub>2</sub> (F&T)       | 633                     |

| Model Number  | Capacity |      | A   | B    | C    | D   | E   | F   | G   | H   | J              | Water Conn. Size.† | Approx. Shipping Weight |
|---------------|----------|------|-----|------|------|-----|-----|-----|-----|-----|----------------|--------------------|-------------------------|
|               | Liters   | mm.  | mm. | mm.  | mm.  | mm. | mm. | mm. | mm. | mm. | mm.            | mm.                | kg.                     |
| M-3-ST80R5    | 303      | 1492 | 610 | 1334 | 1518 | 362 | 235 | 121 | 184 | —   | 51(F&T)        | 87                 |                         |
| M-3-ST80R5A*  | 303      | 1492 | 610 | 1334 | 1518 | 362 | 235 | 121 | 184 | —   | 51(F&T)        | 126                |                         |
| M-3-ST120R5   | 450      | 1588 | 711 | 1416 | 1613 | 368 | 241 | 127 | —   | 241 | 51(F&T), 51(R) | 142                |                         |
| M-3-ST120R5A* | 450      | 1588 | 711 | 1416 | 1613 | 368 | 241 | 127 | 191 | 241 | 64(F&T), 51(R) | 166                |                         |
| M-3-ST200R5A* | 751      | 1956 | 813 | 1676 | 1981 | 413 | 286 | 171 | 235 | —   | 64(F&T)        | 287                |                         |

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

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



### 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).

**Suitable for Water (Potable) 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.

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



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