

Commercial Storage Tanks 80, 120 and 200 Gallon Models



The Commercial Storage Tank Models Feature:

- **Applications**—Designed for use with boilers, hot water circulation systems and large dump volume applications.
- **Glass Lining**—Water heater tanks are protected from corrosive effects of hot water by a ceramic porcelain-like coating. The high silica glass lining provides a tough interior surface for our hot water tanks.
- **Optional ASME Construction Available.**
- **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.
BJS-24-80 - 2" BJS-28-120A - 2½"
BJS-24-80A - 2" BJS-32-200 - 2½"
BJS-28-120 - 2"
- **Rear Connection**—2" NPT spud allows for a rear water connection (BJS-28-120 and BJS-28-120A only.)
- **Hand Hole Cleanout**—For removal of accumulated lime and sediment (BJS-28-120 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 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; (B1)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.

Commercial Storage Tanks

Jacketed Commercial Storage Models

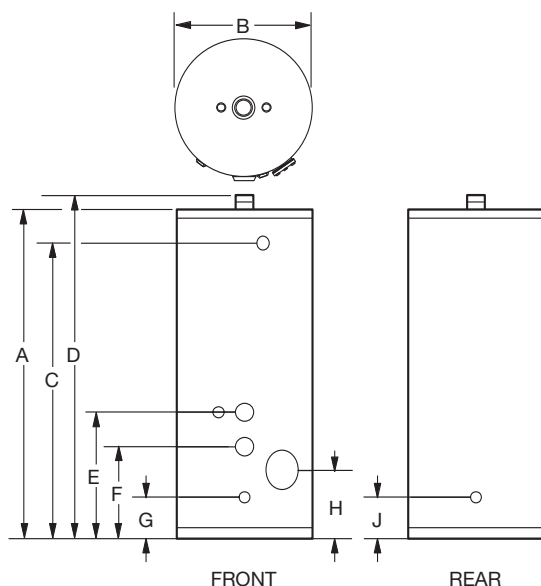
Meet or exceed ASHRAE 90.1b (current standard)

| Model Number | Capacity | | 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 |
|--------------|--------------|--------------|--------------------------------|---------------------|--------------------------------|-------------------------------------|---|---|-------------------------------|--|--------------------------------------|---|-------------------------------|
| | U.S. Gal. | Imp. Gal. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | lbs. |
| BJS-24-80 | 80 | 67 | 58 ³ / ₄ | 24 | 52 ¹ / ₂ | 59 ³ / ₄ | 14 ¹ / ₄ | 9 ¹ / ₄ | 4 ³ / ₄ | 7 ¹ / ₄ | — | 2(F) | 192 |
| BJS-24-80A* | 80 | 67 | 58 ³ / ₄ | 24 | 52 ¹ / ₂ | 59 ³ / ₄ | 14 ¹ / ₄ | 9 ¹ / ₄ | 4 ³ / ₄ | 7 ¹ / ₄ | — | 2(F) | 192 |
| BJS-28-120 | 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 |
| BJS-28-120A* | 119 | 100 | 62 ¹ / ₂ | 28 | 55 ³ / ₄ | 63 ¹ / ₂ | 14 ¹ / ₂ | 9 ¹ / ₂ | 5 | 7 ¹ / ₂ | 5 | 2 ¹ / ₂ (F), 2(R) | 366 |
| BJS-32-200* | 200 | 167 | 77 | 32 | 66 | 78 | 16 ¹ / ₄ | 11 ¹ / ₄ | 6 ³ / ₄ | 9 ¹ / ₄ | — | 2 ¹ / ₂ (F) | 541 |

| Model Number | Capacity | | 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 |
|--------------|----------|--|--------------------------------|---------------------|-------------------------------|-------------------------------------|---|---|------------------------|--|--------------------------------------|---------------------------|-------------------------------|
| | Liters | | mm. | mm. | mm. | mm. | mm. | mm. | mm. | mm. | mm. | mm. | kg. |
| BJS-24-80 | 303 | | 1492 | 610 | 1334 | 1518 | 362 | 235 | 121 | 184 | — | 51(F) | 87 |
| BJS-24-80A* | 303 | | 1492 | 610 | 1334 | 1518 | 362 | 235 | 121 | 184 | — | 51(F) | 87 |
| BJS-28-120 | 450 | | 1588 | 711 | 1416 | 1613 | 368 | 241 | 127 | — | 127 | 51(F), 51(R) | 142 |
| BJS-28-120A* | 450 | | 1588 | 711 | 1416 | 1613 | 368 | 241 | 127 | 191 | 127 | 64(F), 51(R) | 166 |
| BJS-32-200* | 751 | | 1956 | 813 | 1676 | 1981 | 413 | 286 | 171 | 235 | — | 64(F) | 245 |

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

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



General

All water connections are 2" (50.8mm) NPT except for BJS-28-120A and BJS-32-200 which are 2½" (63.5mm) NPT. T&P tapping 1" (25mm) NPT. Aquastat tapping ¾" (19mm) NPT. Certified at 300 psi (2068 kPa) test pressure and 150 psi 1034 (kPa) working pressure.

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

Sample Specification

The hot water storage tank shall be a Badgerland Tank model _____ with a storage capacity of not less than _____ gallons/liters. The tank shall be lined with glass and shall have a bolted hand hole cleanout. The tank shall have two extruded magnesium rods installed in separate head couplings. The storage tank shall be insulated with not less than 2" of Non-CFC foam. Install in compliance with state and local codes and ordinances only.



For all your water storage needs

toll-free: 877-377-0011 fax: 877-280-0022

7500 N. 81st St., Milwaukee, WI 53223

www.BadgerlandTanks.com

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