

PowerStor2™ Series

Residential Double-Wall Indirect Water Heater

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.
- **Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour delivery of hot water while minimizing temperature build-up in tank.

Additional Details

- **Heat Exchanger**—Double wall 1½" (38mm) O.D. glass coated (Vitraglas® with Microban®) steel coil. The positive leak path between the two walls of the coil ensures the potable water will stay separate from the hydronic fluid.
- **Low Heat Exchanger Head Loss**—Up to 10 GPM (38L) flow, with less than 5 ft. (1.5m) of head loss. Greatly reduces the required pump size for heat exchange.
- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostat for automatic temperature control.
- **Supply and Return Connections**—The ¾" (19mm) NPT female connections are located on the front for both the boiler supply and boiler return.
- **Insulation System**—Non-CFC foam covers the tank, reducing heat loss, energy consumption, and improves efficiency and jacket rigidity.
- **Potable Water Connections**—¾"(19mm) NPT (1" (25mm) NPT for 120 gallon (454L) model) factory installed true dielectric fittings extend water heater life and eases installation.
- **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 to assure a continuous seam for glass lining.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **AHRI Certified**—These water heaters are rated by the Air-Conditioning, Heating, and Refrigeration Institute to provide accurate performance data within the standards of the certification. This certification provides a recognized standard for proper comparison of hydronic appliances.



Photo is of DW-2-50-L



Limited Lifetime Tank and Heat Exchanger 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. 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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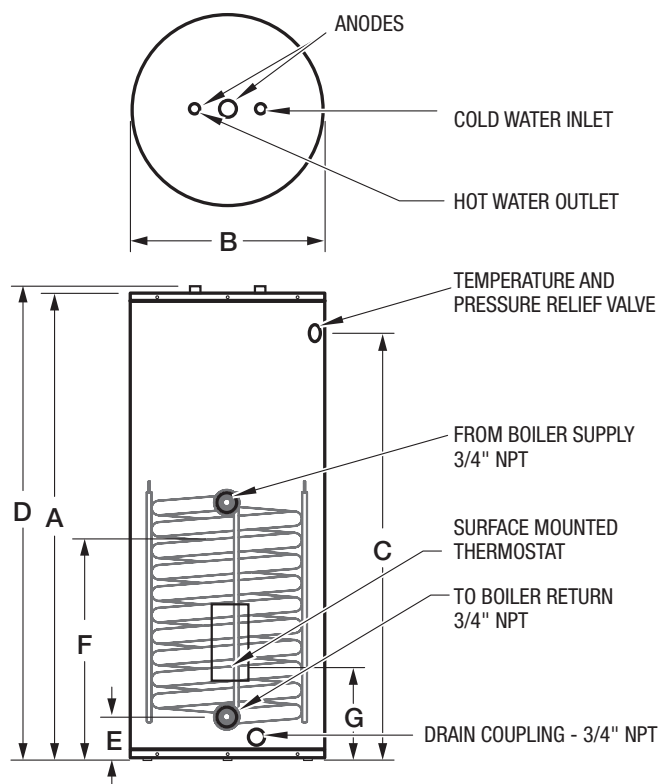
Residential Double-Wall Indirect Water Heater

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 Floor to Heater Top	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Water Conn.	E Floor to Exchanger Outlet	F Floor to Exchanger Inlet	G Floor to Thermostat	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	in.	in.	in.	in.	in.	in.	in.	lbs.
DW-2-40-L	37	31	41	22	34 ³ / ₈	41 ⁷ / ₈	5 ³ / ₈	27 ¹ / ₂	11 ¹ / ₂	195
DW-2-50-L	43	36	46 ¹ / ₄	22	40 ¹ / ₈	47 ¹ / ₄	5 ³ / ₈	27 ¹ / ₂	11 ¹ / ₂	205
DW-2-80-L	71	59	59	24	52 ⁷ / ₈	59 ³ / ₄	5 ³ / ₈	27 ¹ / ₂	11 ¹ / ₂	255

Model Number	Capacity		A Floor to Heater Top	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Water Conn.	E Floor to Exchanger Outlet	F Floor to Exchanger Inlet	G Floor to Thermostat	Approx. Shipping Weight
	Liters		mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
DW-2-40-L	140		1045	559	873	1083	137	669	292	89
DW-2-50-L	163		1175	559	1019	1200	137	669	292	93
DW-2-80-L	269		1505	610	1343	1518	137	669	292	116



AHRI Certified Water Heater Ratings

Model	First Hour Rating @ 135°F (Gal.)	Continuous Draw Rating @ 135°F (Gal./Hr.)	Standby Heat Loss Rating (°F/Hr.)	Minimum Heat Req. Rate (BTU/Hr.)	Minimum Heat Source Flow Rate (Gal./Min.)
DW-2-40-L	110	85	1.1	58,000	8.0
DW-2-50-L	120	85	0.9	58,000	8.0
DW-2-80-L	145	85	0.6	58,000	8.0

Model	First Hour Rating @ 57°C (Liters)	Continuous Draw Rating @ 57°C (Liters/Hr.)	Standby Heat Loss Rating (°C/Hr.)	Minimum Heat Req. Rate (kW/Hr.)	Minimum Heat Source Flow Rate (Liters/Min.)
DW-2-40-L	416	322	0.61	17.0	30.3
DW-2-50-L	454	322	0.50	17.0	30.3
DW-2-80-L	549	322	0.33	17.0	30.3

NOTES: These certified ratings were obtained with a heat source output rate and flow rate as specified and a 180°F (82°C) boiler water supply temperature. Other results will be obtained under different conditions.

Heat Exchanger Head Loss					
GPM	2	5	8	10	12
Ft. of Hd. Loss	0.20	0.90	2.40	3.80	5.40

GENERAL:

Meets NAECA Requirements

All units are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. Potable water connections are 3/4" (19mm) NPT on 8" (203mm) centers. The 120 gallon model has 1" (25mm) NPT potable water connections on 8" (203 mm) centers.

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable side of this system. The potable side may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance. The heat exchanger side of the unit may be used in space heating applications.

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