BRADFORD WHITE®
WATER HEATERS

Commercial PowerStor Series®
Single-Wall Indirect Water Heater



Photo is of
SW-80C-5

The PowerStor Series® Single-Wall Models feature:

- **Heat Exchanger—**Single-Wall 1½" O.D. glass coated (Vitraglas®) carbon steel coil. The coil has a heat transfer area of 27.2 sq. ft. (2.5m²) and a stored water volume of 5.0 Gal. (19L). Maximum supply temperature from the boiler must not exceed 240°F (116°C).
- **Factory Installed Hydrojet® Total Performance System—**Sediment reducing device that also increases first hour delivery of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining—**An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Immersed Adjustable Aquastat—**Fast acting immersion aquastat for automatic temperature control.
- **Supply and Return Connections—**1" (25mm) NPT female connections are located on the front for both the boiler collector supply and return.
- **Insulation System—**2" (51mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Potable Water Connections—**1" (25mm) NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Three Protective Aluminum Anode Rods—**Provide added protection against corrosion for long trouble-free service.
- **T&P Relief Valve—**Installed.
- **Low Restriction Brass Drain Valve—**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.

AHRI CERTIFIED™ www.ahridirectory.org

UL LISTED c UL us LISTED SA® LLC - Low Lead Content

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: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. **PowerStor Series®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.**

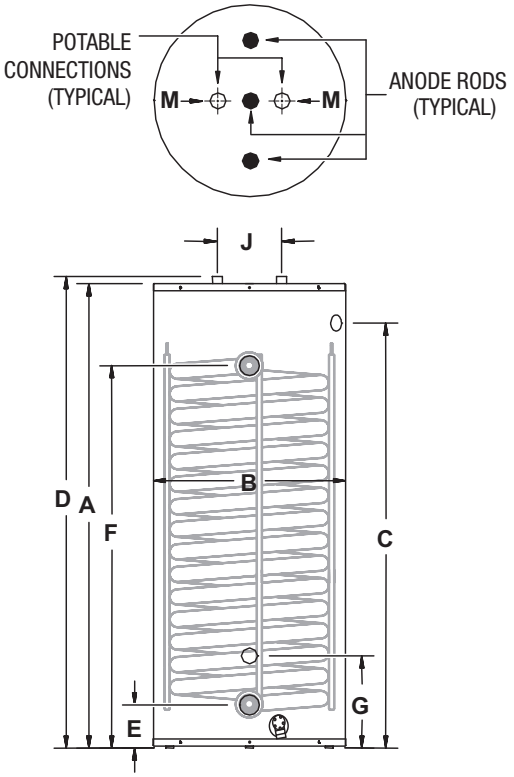
Commercial PowerStor Series® Indirect Water Heater

Single Wall Models

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Nominal Gal. Capacity U.S. Gal.	Imp. Gal.	A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to T&P Conn. in.	D Floor to Water Conn. in.	E Floor to Exchanger Outlet in.	F Floor to Exchanger Inlet in.	G Floor to Aquastat in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	Approx. Shipping Weight lbs.
SW-65C-5	54	45	59 1/4	22	53 1/8	60	5 3/8	47 3/4	11 1/2	8	1	273
SW-80C-5	67	56	59	24	52 7/8	59 3/4	5 3/8	47 3/4	11 1/2	8	1	300

Model Number	Nominal Liter Capacity	A Floor to Top of Heater mm.	B Jacket Dia. mm.	C Floor to T&P Conn. mm.	D Floor to Water Conn. mm.	E Floor to Exchanger Outlet mm.	F Floor to Exchanger Inlet mm.	G Floor to Aquastat mm.	J C/L of Water Conn. mm.	M Water Conn. NPT mm.	Approx. Shipping Weight kg.
SW-65C-5	204	1505	559	1349	1524	137	1213	292	203	25	124
SW-80C-5	254	1499	610	1343	1518	137	1213	292	203	25	136



AHRI Certified Water Heater Ratings

Model Number	First Hour Delivery @ 135°F (Gal.)	Continuous Draw Rating @ 135°F (Gal./Hr.)	Standby Heat Loss Rating (°F/Hr.)	Minimum Output Rate of Heat Source (BTU/Hr.)	Minimum Heat Source Flow Rate (Gal./Min.)
SW-65C-5	370	335	0.7	225,000	14.0
SW-80C-5	380	335	0.6	225,000	14.0

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.

DOE Water Heater Performance

Model Number	Maximum First Hour Rating (Gal.) @ 140°F	115°F	Continuous Draw Rating (Gal./Min.) @ 140°F	115°F	Approximate Boiler Output Needed for Rating (BTU/Hr.)
SW-65C-5	396	582	5.7	8.8	300,000
SW-80C-5	408	594	5.7	8.8	300,000

Based on 200°F (93°C) boiler water temperature and 50°F (10°C) potable water inlet.

Heat Exchanger Head Loss					
GPM	5	8	10	12	14
Ft. of Hd. Loss	0.60	1.60	2.60	3.70	5.00

General

All units are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. All potable water connections are 1" NPT (25mm) on 8" (203mm) centers.

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 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.

— BRADFORD WHITE IS —

AMERICAN STRONG

Sales: **800-523-2931** ■ *Fax 215-641-1612*

24/7 Technical Support: **800-334-3393** ■ *Email techserv@bradfordwhite.com*

Products made by Bradford White are manufactured in the United States using the finest raw materials and components from around the world.

Built to be the Best®

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