

PowerStor Series® SS

Residential Single-Wall Indirect Water Heater

Features

- **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

- **Stainless Steel Tank and Heat Exchanger**—Made from chromium molybdenum - titanium ferritic 444 stainless steel alloy.
- **Stainless Steel Heat Exchanger**—Single-wall 1" (25mm) O.D. stainless steel coil. Maximum supply temperature from the boiler must not exceed 240°F (116°C).
- **Immersed Adjustable Aquastat**—Fast acting for automatic temperature control (adjustable from 80°F to 160°F), (27°C to 71°C).
- **Supply and Return Connections**—1" (25mm) NPT female connections located on the front for both boiler supply and 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.
- **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 SS-50-L

Hydrojet

*excludes SS-120-L



Limited Lifetime Tank and Heat Exchanger Warranties / 6-Year Limited Warranty on Component Parts.
5-Year Limited Tank Warranties on Commercial Models / 1-Year Limited Warranty of 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

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SPECIFICATIONS

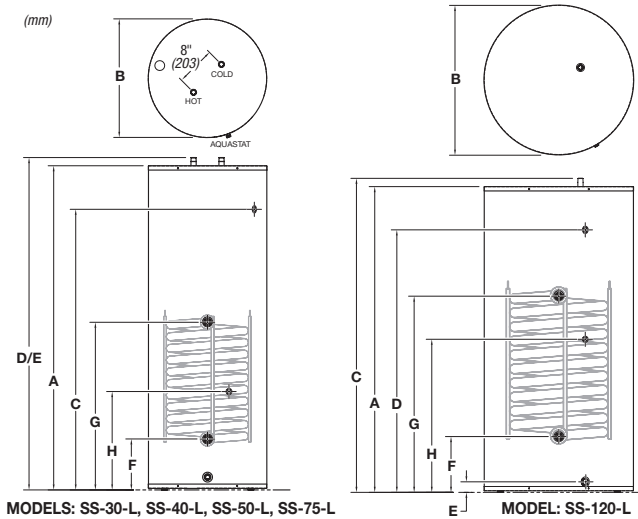
| Model Number | Capacity | | A | B | C | D | E | F | G | H | Approx. Shipping Weight |
|--------------|-----------|-----------|-------------------------------|--------------------|---------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------------|-------------------------|
| | U.S. Gal. | Imp. Gal. | Floor to Top of Heater in. | Jacket Dia. in. | Floor to T&P Conn. in. | Floor to Hot Water Conn. in. | Floor to Cold Water Conn. in. | Floor to Exchanger Outlet in. | Floor to Exchanger Inlet in. | Floor to Aquastat in. | |
| SS-30-L | 29 | 24 | 31 5/8 | 24 | 22 1/2 | 32 1/2 | 32 1/2 | 10 | 22 5/8 | 16 1/2 | 75 |
| SS-40-L | 38 | 31 | 38 1/4 | 24 | 29 1/8 | 38 7/8 | 38 7/8 | 10 | 24 3/4 | 18 3/4 | 91 |
| SS-50-L | 50 | 42 | 48 | 24 | 39 3/4 | 48 7/8 | 48 7/8 | 10 | 29 1/4 | 19 1/2 | 103 |
| SS-75-L | 73 | 60 | 65 5/8 | 24 | 56 1/2 | 66 1/4 | 66 1/4 | 10 | 33 5/8 | 19 1/2 | 142 |
| SS-120-L | 111 | 92 | 63 3/8 | 30 1/4 | 65 3/4 | 53 1/2 | 2 11/16 | 11 3/4 | 40 | 31 3/8 | 217 |

| Model Number | Capacity | | A | B | C | D | E | F | G | H | Approx. Shipping Weight |
|--------------|-----------|-----------|-------------------------------|--------------------|---------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------------|-------------------------|
| | U.S. Gal. | Imp. Gal. | Floor to Top of Heater mm. | Jacket Dia. mm. | Floor to T&P Conn. mm. | Floor to Hot Water Conn. mm. | Floor to Cold Water Conn. mm. | Floor to Exchanger Outlet mm. | Floor to Exchanger Inlet mm. | Floor to Aquastat mm. | |
| SS-30-L | 110 | 803 | 610 | 572 | 826 | 826 | 254 | 575 | 419 | 34 | |
| SS-40-L | 142 | 972 | 610 | 740 | 987 | 987 | 254 | 629 | 476 | 41 | |
| SS-50-L | 189 | 1219 | 610 | 1010 | 1241 | 1241 | 254 | 743 | 495 | 47 | |
| SS-75-L | 274 | 1667 | 610 | 1435 | 1683 | 1683 | 254 | 854 | 495 | 64 | |
| SS-120-L | 420 | 1610 | 768 | 1670 | 1359 | 68 | 299 | 1016 | 797 | 98 | |

AHRI Certified Water Heater Ratings

| Model Number | First Hour Delivery Rating | Continuous Draw @135°F | Standby Heat Loss Rating | Minimum Heat Required Rate | Minimum Heat Source Flow Rate | Model Number | First Hour Delivery Rating | Continuous Draw @57°C | Standby Heat Loss Rating | Minimum Heat Required Rate | Minimum Heat Source Flow Rate |
|--------------|----------------------------|------------------------|--------------------------|----------------------------|-------------------------------|--------------|----------------------------|-----------------------|--------------------------|----------------------------|-------------------------------|
| | Gal./Hr. | Gal./Hr. | °F/Hr. | BTU/Hr. | Gal./Min. | | Liters/Hr. | Liters/Hr. | °C/Hr. | kW/Hr. | Liters/Min. |
| SS-30-L | 179 | 160 | 0.8 | 105,000 | 14.0 | SS-30-L | 678 | 606 | 0.44 | 30.8 | 53.0 |
| SS-40-L | 237 | 209 | 0.6 | 135,000 | 14.0 | SS-40-L | 897 | 791 | 0.33 | 39.6 | 53.0 |
| SS-50-L | 269 | 229 | 0.5 | 145,000 | 14.0 | SS-50-L | 1018 | 867 | 0.27 | 40.5 | 53.0 |
| SS-75-L | 367 | 307 | 0.4 | 193,000 | 14.0 | SS-75-L | 1389 | 1162 | 0.22 | 56.6 | 53.0 |
| SS-120-L | 409 | 319 | 0.3 | 199,000 | 9.0 | SS-120-L | 1548 | 1208 | 0.16 | 58.3 | 34.0 |

NOTE: These certified ratings were obtained with a heat source output 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 | | |
|--------------------------|-----|-----------------|
| Model | GPM | Ft. of Hd. Loss |
| SS-30-L & SS-40-L | 2 | 0.2 |
| SS-50-L | | 0.2 |
| SS-75-L | | 0.1 |
| SS-120-L | | 0.2 |
| SS-30-L & SS-40-L | 5 | 1.1 |
| SS-50-L | | 1.4 |
| SS-75-L | | 0.8 |
| SS-120-L | | 1.4 |
| SS-30-L & SS-40-L | 8 | 2.8 |
| SS-50-L | | 3.6 |
| SS-75-L | | 2.1 |
| SS-120-L | | 3.5 |
| SS-30-L & SS-40-L | 10 | 4.4 |
| SS-50-L | | 5.6 |
| SS-75-L | | 3.3 |
| SS-120-L | | 5.5 |

GENERAL:

All units are certified at 300 PSI (2068 kPa) test pressure and 150 PSI working pressure (1034 kPa). All potable water connections are 3/4" (19mm) NPT (1" (25mm) NPT on SS-120).

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.



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