The SPP bare steel large volume solar water tanks are designed for large commercial, industrial, high temperature or long term storage of hot water. These large solar tanks are perfect for solar DHW, space heating, and solar air conditioning applications.

- Larger selection – ranging from 193gl to 6,000+ gl
- Double Glass Lining Available
- Top-Coat Insulation Available
- Designed for High Temperature (180F) Storage
- ASME Certified

5-Year Limited Warranties / 10-Year Limited Warranties on Double Glass Lined Tanks

- ASME Rated - All size tanks are constructed and certified in accordance with ASME IV for 125 PSI.
- Red Oxide Primer - All tanks come with red oxide primer applied for long lasting durability.
- Top Coat & Finish Coat Available - Optional top coat insulation provides an R-16 insulation value. Finish coats are also available for all size tanks.
- High Quality Lining - Tanks are equipped with a single layer glass lining that is specifically formulated for hot water applications, designed to minimize the effects of high-temperature hot water.
- Double Glass Lining Option - Double glass lining option gives tanks added protection against failure, and extends the warranty from 5 years to 10 years. Built upon request.
- Warrantied - 5 year warranty protection against tank failure resulting from defects in materials and workmanship, 10 year warranty on tanks with double glass lining.
**SPP Bare Steel Large Volume Solar Tanks: Specifications**

Meet or exceed AASHE 05.1b (current standard)

All water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water and electrical connections are ¾"NPT (19mm) on 8" (203mm) centers. All models are UL listed.

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

**SPP Bare Steel Large Volume Solar Tanks: Specifications**

**A** – Tank Part Number

**B** – Nominal Gallon Capacity

**C** – Actual Capacity

**D** – Vertical Height

**E** – Horizontal Height

**F** – "L"

**G** – "D"

**H** – Base Clearance "E"

**I** – Diameter

**J** – Tapping "K"

**K** – Tapping "L"

**L** – Tapping "M"

**N** – Weight

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### Specifications

<table>
<thead>
<tr>
<th>Tank Part Number</th>
<th>Nominal Gallon Capacity</th>
<th>Actual Capacity</th>
<th>Vertical Height</th>
<th>Horizontal Height</th>
<th>Diameter</th>
<th>Tapping &quot;L&quot;</th>
<th>Tapping &quot;M&quot;</th>
<th>Tapping &quot;N&quot;</th>
<th>Weight</th>
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<tr>
<td>SPP-S30-063</td>
<td>193</td>
<td>175</td>
<td>87</td>
<td>39</td>
<td>138</td>
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<td>SPP-S30-075</td>
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<td>SPP-S30-111</td>
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<td>243</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>530</td>
</tr>
</tbody>
</table>

### Test Results

- **W-H-196 Test = 7.0 - 8.0 mg/in²**
  - The W-H-196 Test is required for water heaters sold to the U.S. Government. The test consists of exposing the enamel to a boiling (321°F) 10% sodium carbonate solution of sodium silicate for eight (8), eighteen (18) hour cycles. Maximum weight loss after eight cycles is not to exceed 15 mg/in².

- **Hi-Pot Test Less than 20**
  - The Hi-Pot Test is a measurement of the continuity of the glass coating (Spark Test). Fifty (50) breakthroughs or fewer are the usual specification for Hi-Pots.

- **PEI T-23 Spot Acet Test = Class A**
  - PEI T-23 Spot Acet Test is used to determine enamel resistance to acids. The test area is examined for visible effects on the enamel and is graded from Class AA (no sign of etching) to Class D (etched surface).

- **Impact Test Class 4 to 5**
  - The Impact Test is a measurement of the adhesive qualities of enamel to the substrate. The enamel is graded from Class 1 ( poorest) to Class 5 (best), fractured glass adhering solidly to the impact area. Class 3 is acceptable.

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*Nominal gallon capacity is listed for comparison purposes. Nominal gallon capacity reflects a theoretical tank length where the tank is circular and instead of an elliptical head or base, the gallons are calculated as if it was built with ends and base. – See diagram.

*Nominal capacity includes the white area in addition to actual tank capacity.

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*All water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All water heaters sold to the U.S. Government. The test consists of exposing the enamel to a boiling (321°F) 10% sodium carbonate solution of sodium silicate for eight (8), eighteen (18) hour cycles. Maximum weight loss after eight cycles is not to exceed 15 mg/in².*