A. O. Smith 80 and 120-gallon indirect solar booster water heaters are specially designed for installation as part of closed loop solar water heating system. They provide storage for the hot water produced by the solar panels and a supplementary for water produced by the solar panels and a supplementary electric heating element that maintains consistent water temperature during periods when solar energy is not available. Count on A. O. Smith for innovative products that provide hot water solutions for residential renewable energy applications.

**INTERNAL HEAT EXCHANGER**
- Single wall internal coil-type heat exchanger for the most efficient heat transfer from solar panels
- Suitable for propylene glycol heat transfer fluid with corrosion inhibitor

**ELECTRICAL**
- 4500 watt heating element – long lasting low-watt density design spreads wattage over larger surface area to prolong element life and maximize efficiency
- Prewired for surface mount temperature sensor (sensor supplied separately)

**CONSTRUCTION**
- PermaGlas® Ultra Coat™ Glass Lined Steel Tank – patented glass lining protects against corrosion to maximize tank life.
- 2 Inch thick “Environmentally-Friendly” Non-CFC Foam insulation (R16 Value) reduces standby heat loss.

**DYNACLEAN™ DIFFUSER DIP TUBE**
- Helps reduce lime and sediment buildup to maximize hot water output
- Made from long-lasting PEX cross-linked polymer

**TWO COREGARD™ ANODE RODS**
- Primary and secondary magnesium anodes with stainless steel core protect tank against corrosion longer than ordinary anodes

**FACTORY-INSTALLED CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE**

**DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE**

**PEX-LINED, HEAT TRAP NIPPLES FOR EFFICIENCY**

**CODES AND STANDARDS**
Complies with current editions of: UL Standard for Household Electric Storage Tank Water Heaters, UL 174; Canadian Standard for Construction and Test of Electric Storage-Tank Water Heaters, CAN/CSA-C22.2 No. 110-M90; Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer) For All-Season Use, F379.1-09; Packaged Solar Domestic Hot Water Systems for Seasonal Use, F379.2-09 and ICC Codes and HUD Standards. Complies with California legislation AB 1953 and Vermont legislation Act 193 that limits the lead content in plumbing fixtures that come into contact with drinking water to a maximum of 0.25%.

**6-YEAR LIMITED TANK AND PARTS WARRANTY**
For complete information, consult written warranty supplied with the product or contact A. O. Smith Water Products Company.
Residential Electric Indirect Solar Booster Water Heaters

**HEAT EXCHANGE COIL DATA**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>TUBE I.D. (INCHES)</th>
<th>TOTAL SURFACE AREA (SQUARE FT)</th>
<th>COIL CAPACITY (GALLONS)</th>
<th>TUBE LENGTH (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNX-80</td>
<td>1.3</td>
<td>16</td>
<td>2.8</td>
<td>40.8</td>
</tr>
<tr>
<td>SUNX-120</td>
<td>1.55</td>
<td>18.8</td>
<td>4</td>
<td>41</td>
</tr>
</tbody>
</table>

**PRESSURE DROP THROUGH COIL (FEET OF H2O)**

<table>
<thead>
<tr>
<th>FLOW RATE (GPM)</th>
<th>SUNX-80</th>
<th>SUNX-120</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.1</td>
<td>0.05</td>
</tr>
<tr>
<td>4</td>
<td>0.3</td>
<td>0.15</td>
</tr>
<tr>
<td>6</td>
<td>0.5</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Heat exchanger must only be used with a propylene glycol heat transfer fluid containing corrosion inhibitors such as Dowfrost™. Working Pressure = 150 PSI.