

**Typical Specification for HTP  
SuperStor Contender SB and SE Series  
Solar Water Heaters**  
*Models: SSC-50SB/SSC-80SB/SSC-119SB*  
*Models: SSC-50SE/SSC-80SE/SSC-119SE*

**Guide Specification Sheet**

**SuperStor Contender  
Solar Water Heaters**

The SuperStor Contender Solar Water Heater shall be manufactured by HTP with an identification of model number SSC- \_\_\_\_\_. The solar water heater is designed for production of domestic hot water from a solar collector, and either a boiler (SB Series) or electric (SE Series) back-up system. The water heater storage tank will have a capacity of \_\_\_\_\_ gallons.

**The SB Series Solar Water Heater** shall be equipped with two heat exchangers. The solar heat exchanger shall be located in the bottom section of the tank and transfer heat from the solar collectors to heat its entire water volume. The boiler heat exchanger shall be located in the upper section of the storage tank to provide back-up heat when the solar collector cannot maintain the upper operating water heater set point.

**The SE Series Solar Water Heater** shall be equipped with a heat exchanger to transfer heat from the solar collectors. The solar heat exchanger shall be located at the bottom section of the tank and heat its entire water volume. The electric element shall be located on the upper section of the tank to provide back-up heat when the solar collector cannot maintain the upper operating water heater set point.

This solar hot water heater will be equipped with a stud and securing nut to mount a sensor to the tank. This sensor will control the operation of the solar heat exchanger. In addition, this water heater will have a control located in the upper portion of the tank. This control modulates the back-up heat source to maintain the desired set point water temperature. **On SB Series heaters**, the control modulates the operation of the boiler back-up; **on SE Series heaters**, the operation of the electric back-up.

The solar water heater storage tank will be constructed with glass-lined, flow-coated technology, with an applied enamel coating covering 100% of the inner tank surface. The outer tank shell shall be constructed of high density polyethylene plastic with 2" of CFC free polyurethane foam insulation. This water heater shall be supplied with a full port drain valve and a temperature and pressure valve rated at 150 PSI and 210°F.

The heater shall be factory assembled. Complete operating and installation instructions shall be furnished with every heater as packaged by the manufacturer for shipping.

Maximum unit dimensions shall be length \_\_\_\_\_ inches, width \_\_\_\_\_ inches and height \_\_\_\_\_ inches. Maximum unit weight shall be \_\_\_\_\_ pounds.