



# Residential Electric Direct Solar Booster Water Heaters

**A. O. Smith 80 and 120-gallon direct solar booster water heaters are designed for installation as a part of a direct (open loop) solar water heating system or for use with external heat exchangers in closed loop systems. They provide storage for the hot water produced by the solar collectors 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.**

## **MULTIPLE CONNECTION OPTIONS FOR INSTALLATION FLEXIBILITY**

- Side and top connections for open loop systems or closed loop systems using an external heat exchanger

## **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)

## **TANK CONSTRUCTION**

- PermaGlas® glasslined 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

## **COREGARD™ ANODE ROD**

- Aluminum anode rod with stainless steel core protects tank against corrosion

## **DYNACLEAN™ DIFFUSER DIP TUBE**

- Helps reduce lime and sediment buildup to maximize hot water output
- Made from long-lasting PEX cross-linked polymer

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

## **DURABLE, TAMPER-RESISTANT BRASS DRAIN VALVE**

## **CODES AND STANDARDS**

Meets Federal Energy Efficiency Standards effective January 20, 2004, according to the National Energy Conservation Act (NAECA) of 1992 and meets the standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1, current editions of 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.



Low Lead Content

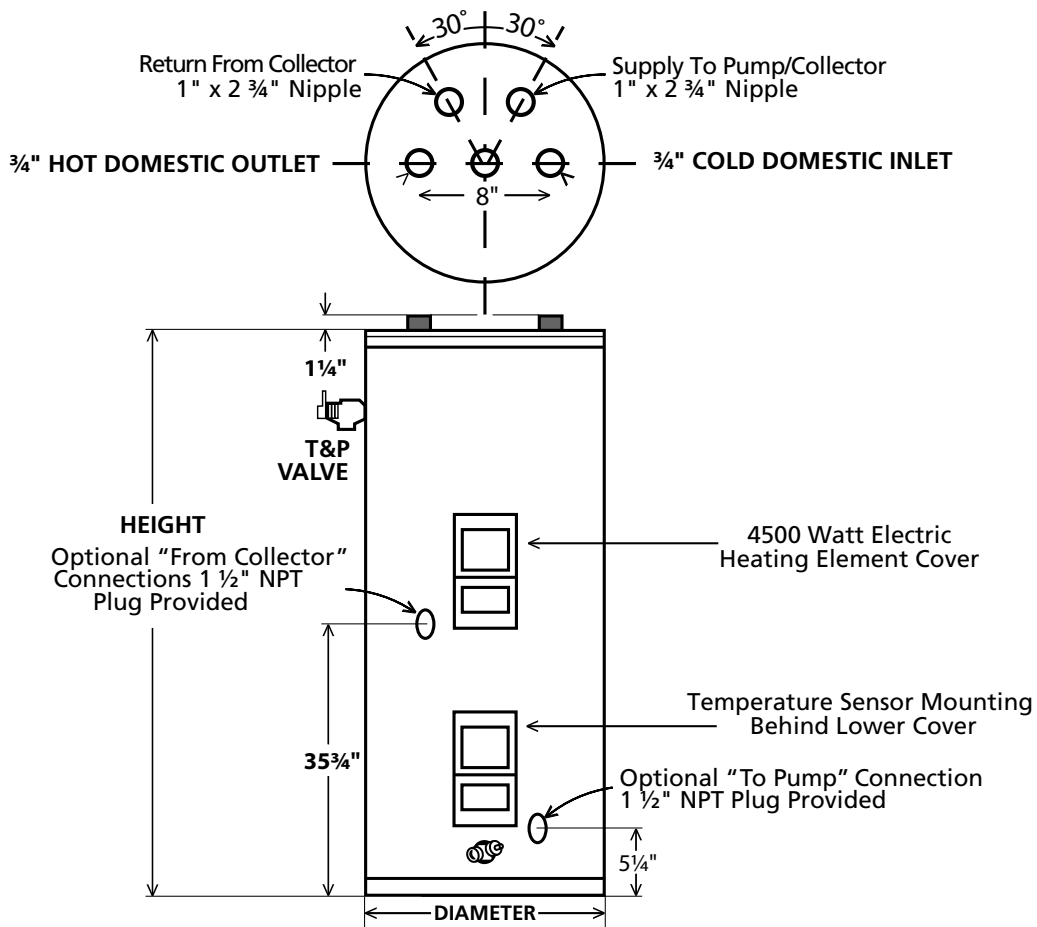
Eligible for a 30% Federal Tax Credit when installed as part of a complete Cirrex® solar water heating system. For more information, visit [www.hotwater.com](http://www.hotwater.com).



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MODEL NUMBER	GALLON CAPACITY	ELEMENT WATTAGE (240 VOLT)	RECOVERY 90°F RISE GALLONS PER HOUR	NUMBER OF ELEMENTS	R VALUE	DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS)
						HEIGHT	DIAMETER	
SUN-80	80	4500	21	1	16	63-1/4	24	204
SUN-120	119	4500	21	1	16	63-1/4	28	311

Recovery capacity is based on actual performance tests.



For Technical Information and Automated Fax Service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.