



**Available in 80 and 120 Gallon Models**

- Brass drain valve
- Single element water heater specifically engineered for installation with residential indirect solar systems
- Temperature and pressure relief valve included
- Collector feed and return fittings located at front of tank for convenient installation
- Isolated tank design for better heat retention
- High efficiency stainless steel heating element
- Tank lining resists corrosion and prolongs tank life
- Heat exchanger: copper tubing wrapped around and secured to the tank.

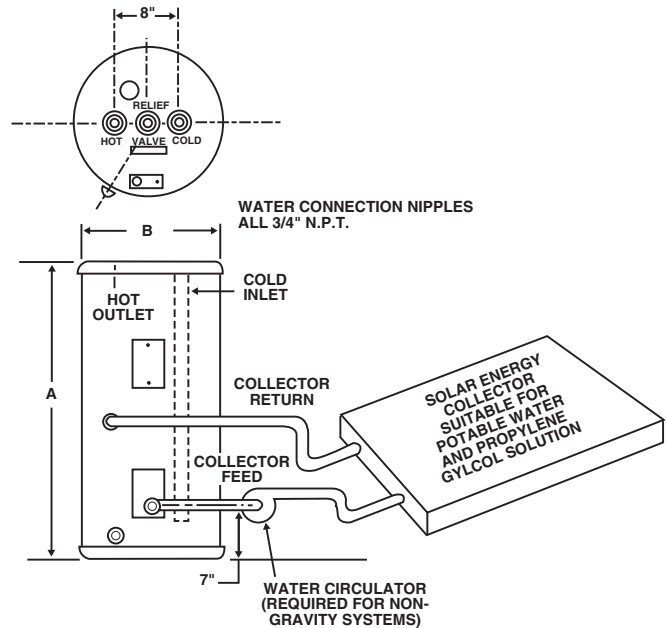
- Double wall, vented design for positive leak detection
- Cold water dip tube brings cold water to tank bottom to prevent mixing with heated water
- Anode rod equalizes aggressive water action for prolonged tank life
- Cold water inlet, hot water outlet, relief valve and anode rod at top of tank for easy access and fast, economical installation
- Automatic temperature control
- Over temperature protector



DESCRIPTION				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			ENERGY INFORMATION
T Y P E	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE UPPER	HEIGHT A	DIAMETER B	APPROX. SHIP WT. (LBS.)	APPROX. R- FACTOR
	80	SU80HE-1	4500 W	58-3/4	24-1/2	222	R-17.3
	120	SU120HE-1	4500 W	62	28-1/4	380	R-17.3

- \* Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring and 4500 watt heating element.
- To prevent corrosion, proper pH levels in transfer fluid must be maintained.
- SunEarth models meet all current state requirements for solar storage tanks.
- The tanks are designed to operate up to 150 PSI.

**A special 1/2" NPT opening** is provided for installation of a "probe type" thermostat or sensor.



**COPPER COIL DATA (Type L Copper)**

Maximum pressure = 150 PSI  
Maximum temperature = 185° F  
Tube I.D. = 5/8"

Solaraide HE Tank Capacity	Coil Capacity Gallons	Length of Tubing Around Tank (Ft)
80 Gallons	2.2	120
120 Gallons	2.6	143

PRESSURE DROP THROUGH COIL (Feet of H <sub>2</sub> O)		
Flow Rate	Head Loss (Feet)	
	80 Gallon	120 Gallon
1 GPM	1.3	1.6
2 GPM	4.8	5.7
3 GPM	10.0	12.0