Solar Servant™ HE Solar Heat Exchanger, Solar Tank, or Electric Storage Water Heater

Available in 80 and 120 Gallon Models

6-Year Limited Tank and Parts Warranty*

- Brass drain valve
- Choice of two models…storage tank or 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 heating element
- Ruudglas 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 inlet 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

* See Residential Warranty Information Brochure for complete warranty information.

DESCRIPTION				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			ENERGY INFORMATION
TYPE	GAL. CAP.	MODEL NUMBER	ELEMENT WATTAGE UPPER	HEIGHT A	DIAMETER B	APPROX. SHIP WT. (LBS.)	APPROX. R-FACTOR
	80	RSPE80HE-1	4500 W*	58-3/4	24-1/2	222	R-17.3
	80	RSPE80HE-T	Storage only	58-3/4	24-1/2	222	R-17.3
	120	RSPE120HE-1	4500 W*	62	28-1/4	380	R-17.3
	120	RSPE120HE-T	Storage only	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.
- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- To prevent corrosion, proper pH levels in transfer fluid must be maintained.
- Solar Servant models meet all current state requirements for solar storage tanks.
- The tanks are Ruudglas lined and are designed to operate up to 150 PSI.

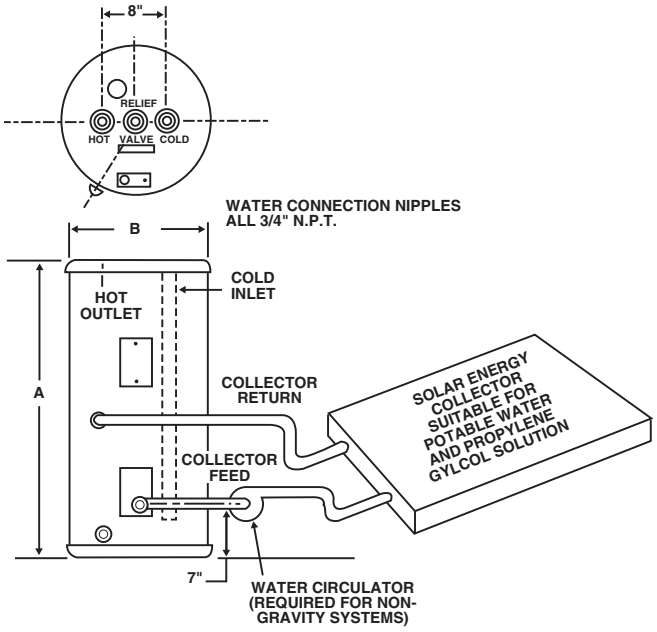
A special 1/2" NPT opening is provided for installation of a "probe type" thermostat.

COPPER COIL DATA (Type L Copper)

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

Solar Servant 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_2O)		
	Head Loss (Feet)	
Flow Rate	80 Gallon	120 Gallon
1 GPM	1.3	1.6
2 GPM	4.8	5.7
3 GPM	10.0	12.0



In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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