

# Solaraide™ Storage Tank and Electric Storage Water Heaters for Solar Applications



Electric Storage Water Heater

## Available in 80 and 120 Gallon Side Connect and Top Connect Models

### 6-Year Limited Tank and Parts Warranty\*

- Brass drain valve
- Choice of two models...storage tank or single element water heater, both specially equipped for installation with residential direct solar systems
- Patented R-Foam insulation process
- Special threaded stud located near the outlet for attachment of tank sensors
- 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
- Rheemglas® tank lining resists corrosion and prolongs tank life
- 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.

Energy Factor and Average Annual Operating Costs based on D.O.E.(Department of Energy) test procedures. D.O.E. national average fuel rate electricity 8.41¢/KWH.



DESCRIPTION				DIMENSIONS			ENERGY INFORMATION
TYPE	GAL. CAP.	MODEL NUMBER	MAXIMUM WATTAGE UPPER	DIAMETER (IN.)	HEIGHT (IN.)	APPROX. SHIP WT. (LBS.)	APPROX. R-FACTOR
<b>SIDECONNECT</b>							
T A L L	80	81VR80-1	6000 W	24-1/2	58-3/4	192	R-17.3
	120	81VR120-1	6000 W	28-1/4	62	336	R-16.7
	80	81VR80-T	Storage Only	24-1/2	58-3/4	192	R-17.3
	120	81VR120-T	Storage Only	28-1/4	62	336	R-16.7
<b>TOP CONNECT</b>							
T A L L	80	81VR80TC-1	6000 W	24-1/2	58-3/4	192	R-17.3
	120	81VR120TC-1	6000 W	28-1/4	62	336	R-16.7
	80	81VR80TC-T	Storage Only	24-1/2	58-3/4	192	R-17.3
	120	81VR120TC-T	Storage Only	28-1/4	62	336	R-16.7

- All units furnished standard 240 volt AC.
- Units are shipped with a 4500 watt element. **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Solaraide models meet all current requirements for solar storage tanks.
- The tanks are Rheemglas lined and are designed to operate up to 150 PSI.

#### SIDE CONNECT

**Raised 7" from the bottom**, the outlet to the solar collector panel helps prevent scale and sediment from entering the circulating through the solar system.



A special threaded stud is also welded to the tank near the outlet for attachment of tank sensors.

#### TOP CONNECT

**A special threaded stud** is also welded to the tank behind the lower cavity opening. Low voltage sensor wire is run from this point inside the jacket and out the top for easy control connection.

