



Providing Solutions through Superior Design.

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## Solar Hot Water Storage Tanks

- Storage Without Coils
- Storage With Single Coil
- Storage With Dual Coils
- Storage With or Without Electric Backup

**Heat-Flo**  
HEATING PRODUCTS



Conforms to UL STD 174 and NSF/ANSI 372  
Certified to CAN/CSA STD C22.2 No. 110-94

# Solar Hot Water Storage Tanks

Solar hot water storage tanks are made in 60, 80, and 115 gallon units. Units are available with one coil, two coils, or no coils. The heat exchanger coils can be connected to solar collectors. Units without coils can be connected to external brazed plate heat exchangers. All units are available with or without built-in electric backup.

Units with electric backup are provided with a heating element, thermostat, and controls that can heat the tank if solar heat is not available. All units are provided with a removable thermal well to accept a solar control thermostat or thermistor. All electric backup units are provided with a high-quality, low watt density 240 volt AC, 3,500 watt element.

Units are all stainless steel construction.



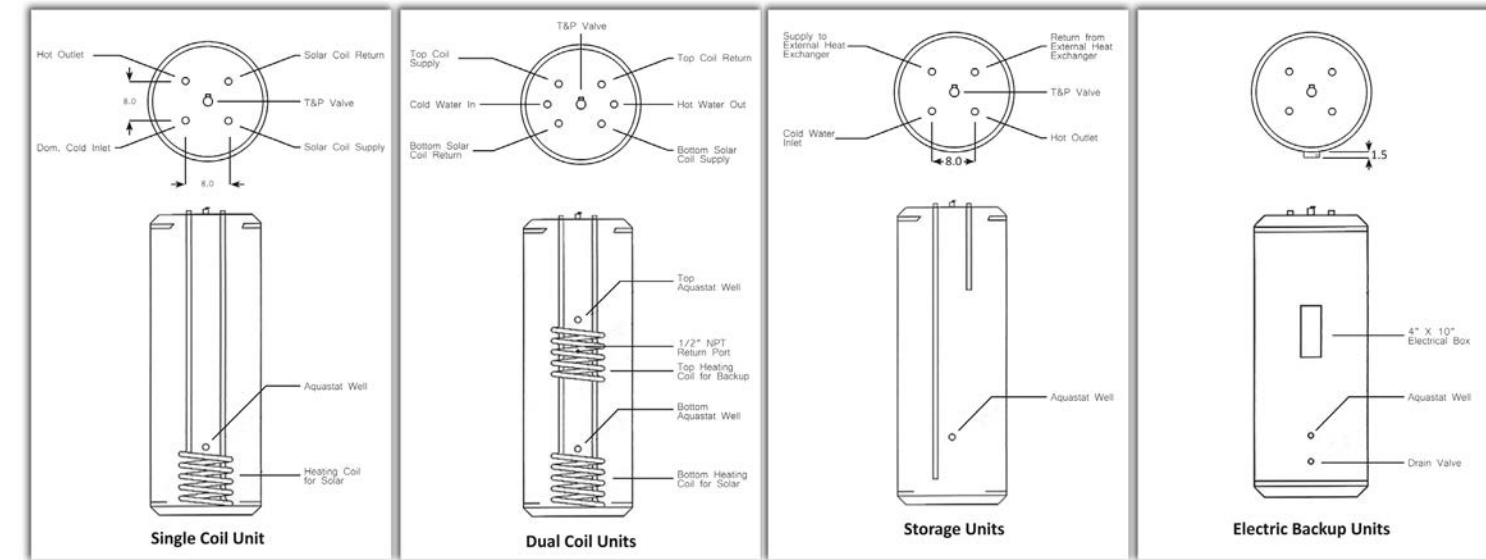
## Features and Benefits Include:

### 1. Quality Design and Construction

- Tanks and coils are all stainless steel.
- Large, smooth, stainless steel coils; no finned tubing to collect lime and sediment.
- Includes over 2" of insulation (R-12+), less than 1°/hr. heat loss.
- Thermoplastic jacket will not rust, dent, or corrode.

### 2. Easy Installation

- All pipe connections are on top for a neat, clean installation.
- Brass drain and relief valves are factory installed.
- Includes thermostat well to control solar input.
- Large 4" X 10" electrical box with pre-wired heating element, thermostat, and high limit on electric backup units.
- Long life, low watt density element.



Model	Max. Recovery (Gal./ Hr.)	Max. Recovery (Gal./ Hr.)	Water Flow Through Coil (Gal./ Min.)	Pressure Drop Through Coil (Ft. Water)
	Top Coil	Bottom Coil		
115-Gal. Units	190	214	10.0	3.9
80-Gal. Units	180	214	10.0	3.6
60-Gal. Units	185	214	10.0	3.5

Note: All ratings are based on 180 degree F boiler water supply and 50 degree F cold water inlet. In the interest of continuous improvement, specifications are subject to change without notice.

### For All Units with 3,500 Watt Electric Backup

Model	First Hour Rating (Gal./ Hr.)		Continuous Rating (Gal./ Hr.)	
	140° F	115° F	140° F	115° F
115-Gal. Units	73.9	80.0	15.9	22.0
80-Gal. Units	55.9	62.0	15.9	22.0
60-Gal. Units	45.9	52.0	15.9	22.0



Model	Storage Volume (Gal.)	Top Coil Heating Surface (Sq. Ft.)	Bottom Coil Heating Surface (Sq. Ft.)	Dimensions (Inches)		Pipe Connections	Max. Working Pressure (psi)	Approx. Shipping Wt. (Lbs.)
				(Ht.)	(Dia.)			
<b>Single Coil - No Electric Backup</b>								
HF-115	115	---	9.1	74.0	28.0	1" NPT	150	175
HF-80	80	---	8.2	56.0	28.0	1" NPT	150	140
HF-60	60	---	8.6	62.0	23.5	1" NPT	150	125
<b>Single Coil with 3,500 Watt Electric Backup</b>								
HF-115-E	115	---	9.1	74.0	28.0	1" NPT	150	180
HF-80-E	80	---	8.2	56.0	28.0	1" NPT	150	145
HF-60-E	60	---	8.6	62.0	23.5	1" NPT	150	135
<b>Dual Coil - No Electric Backup</b>								
HF-115-D	115	7.4	9.1	74.0	28.0	1" NPT	150	205
HF-80-D	80	7.4	8.2	56.0	28.0	1" NPT	150	175
HF-60-D	60	7.4	8.6	62.0	23.5	1" NPT	150	135
<b>Dual Coil with 3,500 Watt Electric Backup</b>								
HF-115-DE	115	7.4	9.1	74.0	28.0	1" NPT	150	215
HF-80-DE	80	7.4	8.2	56.0	28.0	1" NPT	150	185
HF-60-DE	60	7.4	8.6	62.0	23.5	1" NPT	150	175
<b>Storage Only - No Coil, No Electric Backup</b>								
HF-115-ST	115	---	No Coil Storage Only	74.0	28.0	1" NPT	150	170
HF-80-ST	80	---		56.0	28.0	1" NPT	150	130
HF-60-ST	60	---		62.0	23.5	1" NPT	150	115



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