

# Solar Hot Water Storage Tanks

- Storage without Coils
- Storage with Single Coil
- Storage with Dual Coils
- With or without Electric Backup



- Abundant Hot Water
- Low Operating Cost
- Long Life

**Heat-Flo**  
HEATING PRODUCTS

# Heat-Flo

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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 the 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 the solar control thermostat or thermistor. All electric backup units are provided with a high quality low watt density 240 volt AC, 3500 watt element.

Units are all stainless steel construction.

Model	Storage Volume (gals)	Top Coil Heating Surface (sq. ft.)	Bottom Coil Heating Surface (sq. ft.)	Dimensions (Inches)		Pipe Connections	Max. Working Pressure (psi)	Approx Shipping Weight (lbs)
				Height	Diameter			
<b>Single Coil - No Electric Backup</b>								
HF-115	115	-	8.9	74.0	28.0	1" NPT	150	175
HF-80	80	-	8.0	56.0	28.0	1" NPT	150	140
HF-60	60	-	8.3	62.0	23.5	1" NPT	150	125
<b>Single Coil with 3500 watt Electric Backup</b>								
HF-115-E	115	-	8.9	74.0	28.0	1" NPT	150	180
HF-80-E	80	-	8.0	56.0	28.0	1" NPT	150	145
HF-60-E	60	-	8.3	62.0	23.5	1" NPT	150	135
<b>Dual Coil - No Electric Backup</b>								
HF-115-D	115	7.4	8.9	74.0	28.0	1" NPT	150	205
HF-80-D	80	7.4	8.0	56.0	28.0	1" NPT	150	175
HF-60-D	60	7.4	8.3	62.0	23.5	1" NPT	150	165
<b>Dual Coil with 3500 watt Electric Backup</b>								
HF-115-DE	115	7.4	8.9	74.0	28.0	1" NPT	150	215
HF-80-DE	80	7.4	8.0	56.0	28.0	1" NPT	150	185
HF-60-DE	60	7.4	8.3	62.0	23.5	1" NPT	150	175
<b>Storage Only - No Coil, No Electric Backup</b>								
HF-115-ST	115	-	no coil	74.0	28.0	1" NPT	150	170
HF-80-ST	80	-	storage	56.0	28.0	1" NPT	150	130
HF-60-ST	60	-	only	62.0	23.5	1" NPT	150	11

## 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, less than 1 deg./hr., R-12 +
- Thermoplastic jacket will not rust or corrode.

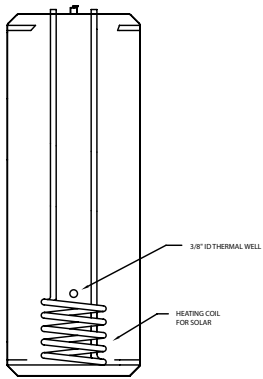
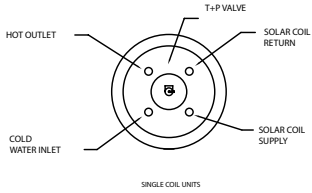
## Easy Installation

- 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.

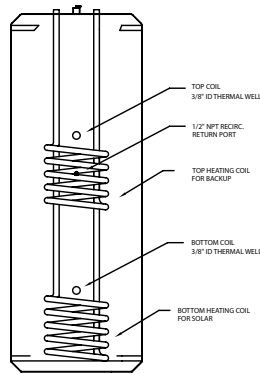
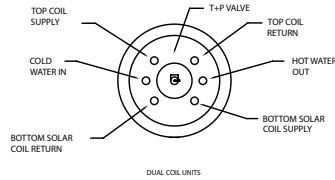
Models are available with 60, 80 and 115 gallon units



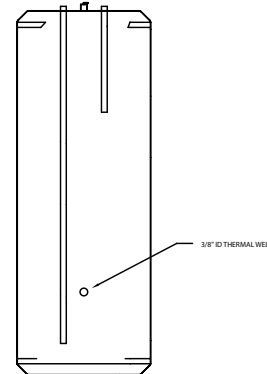
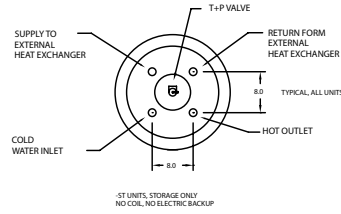
## SINGLE COIL UNITS



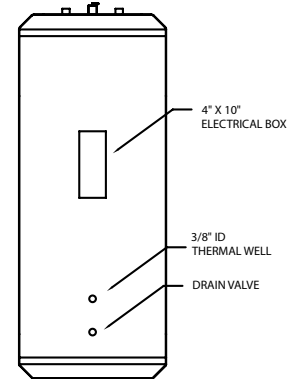
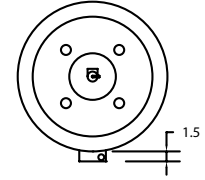
## DUAL COIL UNITS



## STORAGE UNITS



## ELECTRIC BACKUP UNITS



Heat exchanger coil outputs				
Model	Max. Recovery (gal/hr.) Top Coil	Max. Recovery (gal/hr.) Bottom Coil	Water Flow Through Coil (gal./min.)	Pressure Drop Through Coil (Ft. Water)
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 3500 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



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