



# SUBMITTAL SHEET

## MULTI-ENERGY TANKS

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JOB NAME: \_\_\_\_\_

LOCATION: \_\_\_\_\_

ARCH./ENGINEER: \_\_\_\_\_

WHOLESALER: \_\_\_\_\_

MECH CONTRACTOR: \_\_\_\_\_

MODEL NO.: \_\_\_\_\_

GALLON CAPACITY: \_\_\_\_\_

NOTES: \_\_\_\_\_

### STANDARD FEATURES

- 60 TO 115-GALLON CAPACITY
- R-16+ INSULATION
- ALL 316L STAINLESS STEEL CONSTRUCTION, NO DISSIMILAR METALS
- STAINLESS STEEL COLD INLET TUBE
- LARGE, SMOOTH-WALL STAINLESS STEEL HEATING COILS IN COUNTERFLOW CONFIGURATION
- ALL CONNECTIONS ON TOP OF TANK
- REMOVABLE STAINLESS STEEL THERMAL WELL
- FACTORY-INSTALLED ANODE ROD (REMOVABLE & REPLACEABLE)
- FACTORY-INSTALLED DRAIN & T & P VALVE
- THERMOPLASTIC JACKET
- ADJUSTABLE TEMPERATURE CONTROL SUPPLIED WITH UNIT
- OPTIONAL 4500W 240V ELECTRIC BACKUP AVAILABLE
- PRORATED LIMITED WARRANTY
- CONFORMS TO UL STD. 174 AND NSF/ANSI 372
- CERTIFIED TO CAN/CSA STD. C22.2 NO. 110-94

**SPECIAL NOTE:** All Heat-flo Multi-Energy units are available with Electric Backup when requested. Units supplied with electric backups are provided with an Electrical Box, and Thermostat. Units are available with a Single-Coil Heat Exchanger, Dual-Coil Heat Exchanger, or no Heat Exchanger at all.

**RAISING THE STANDARD**

SUBMITTALSHEET\_MULTENERGY\_REV18

# MULTI-ENERGY TANKS

Heat-flo's industry-leading Multi-Energy Tanks are ideal for a variety of residential and commercial solar hot water and heating applications. Each Multi Energy Tank is available with or without a heat exchanger, in 60, 80 or 115-gallon capacities. Tanks with heat exchangers are available with one or two coil configurations.

Our versatile Heat-flo Multi-Energy Tanks are configured with heat exchanger coils and can be connected directly to solar collectors to maximize efficiency. Units without coils can be connected to external brazed plate heat exchangers. All units are available with or without built-in electric backup.

Units equipped with electric backup are provided with a heating element, thermostat, and controls that can heat the tank if solar heat is not available, ensuring consistent hot water performance. Additionally, all electric backup units are also equipped with a high quality low watt density 240 volt AC, 3500 watt element. All units are equipped with a removable thermal well to accept a solar control thermostat or thermistor.

## FEATURES AND BENEFITS INCLUDE:

### QUALITY DESIGN & CONSTRUCTION

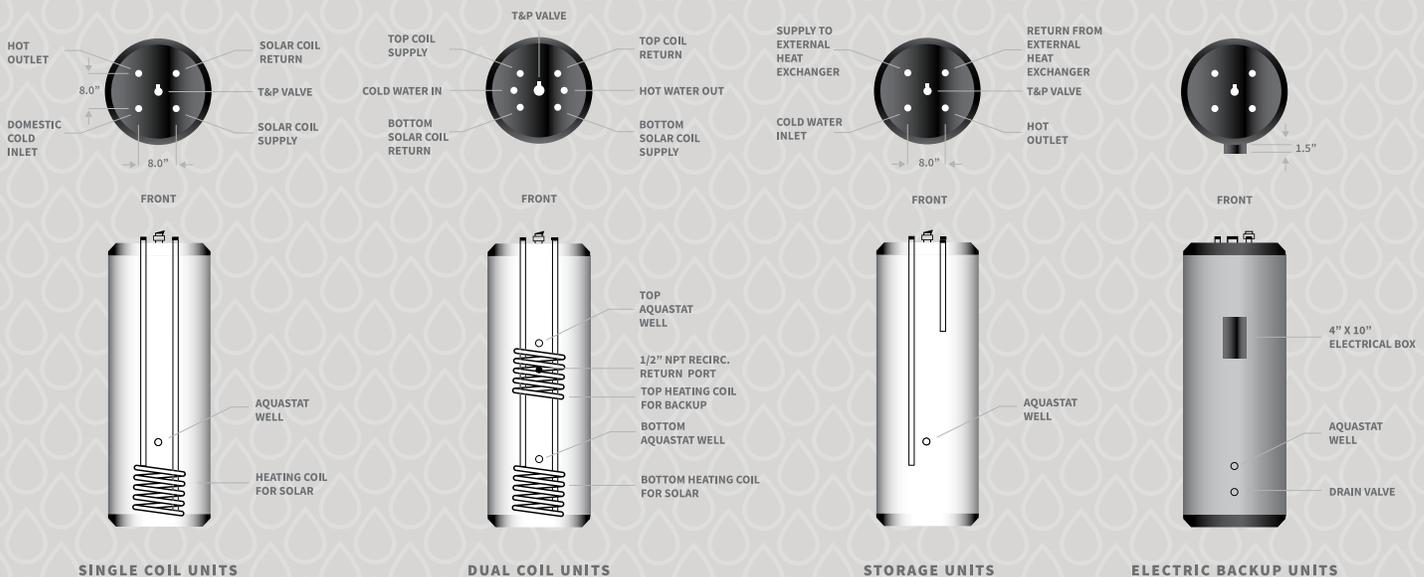
- Tanks and coils are all stainless steel.
- Large, smooth, stainless steel coils; no finned tubing to collect lime and sediment.
- All units R-16+ insulation, providing very low heat loss.
- Flexible thermoplastic jacket that will not corrode and resists denting.

### EASY INSTALLATION

- All pipe connections are on top for a neat, quick and clean installation.
- Brass drain and relief valves are factory installed.
- Includes thermostat well.
- 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.



## SYSTEM CONNECTION CONFIGURATIONS FOR EACH MODEL & TYPE



**DIMENSIONS & CAPACITIES**

MODEL	Storage Volume	Top Coil Heating Surface	Bottom Coil Heating Surface	Dimensions		Pipe Connections	Max. Working Pressure	Approximate Shipping Wt.
	(Gal.)	(Sq. Ft.)	(Sq. Ft.)	(inches)		(NPT)	(psi)	(Lbs.)
				(Ht.)	(Dia.)			

**SINGLE COIL - NO ELECTRIC BACKUP**

HF-115	115	—	9.1	75.5	28.0	1"	150	175
HF-80	80	—	8.2	55.8	28.0	1"	150	140
HF-60	60	—	8.6	63.8	23.5	1"	150	125

**SINGLE COIL WITH 3,500 WATT ELECTRIC BACKUP**

HF-115-E	115	—	9.1	75.5	28.0	1"	150	180
HF-80-E	80	—	8.2	55.8	28.0	1"	150	145
HF-60-E	60	—	8.6	63.8	23.5	1"	150	135

**DUAL COIL - NO ELECTRIC BACKUP**

HF-115-D	115	7.4	9.1	75.5	28.0	1"	150	205
HF-80-D	80	7.4	8.2	55.8	28.0	1"	150	175
HF-60-D	60	7.4	8.6	63.8	23.5	1"	150	135

**DUAL COIL WITH 3,500 WATT ELECTRIC BACKUP**

HF-115-DE	115	7.4	9.1	75.5	28.0	1"	150	215
HF-80-DE	80	7.4	8.2	55.8	28.0	1"	150	185
HF-60-DE	60	7.4	8.6	63.8	23.5	1"	150	175

**STORAGE ONLY - NO COIL, NO ELECTRIC BACKUP**

HF-115-ST	115	—	No Coil Storage Only	75.5	28.0	1"	150	170
HF-80-ST	80	—		55.8	28.0	1"	150	130
HF-60-ST	60	—		63.8	23.5	1"	150	115

MODEL	Top Coil Max Recovery	Bottom Coil Max. Recovery	Water Flow Through Coil	Pressure Drop Through Coil
	(Gal./Hr.)	(Gal./Hr.)	(Gal./Min.)	(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

**FOR ALL UNITS WITH 3,500 WATT ELECTRIC BACKUP**

MODEL	First Hour Rating		Continuous Rating	
	(Gal./Hr.)		(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

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



**RAISING THE STANDARD**



# Heat-flo

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