

SOLAR HOT WATER GENERATORS

Lochinvar's Solar Hot Water Generators offer facilities high capacity hot water storage for the harvested energy of the sun. With capacities from 120 to 940 gallons, these units are designed to meet the requirements of all solar projects large or small. The SWG line is designed to utilize the energy of the sun as the primary heat source and transfers this power through a single-wall copper tube bundle in the lower section of the tank. Back-up domestic water heating can be provided by circulating heated water through the included back-up water heater tapplings or through an optional back up tube bundle in the top portion of the tank. The back-up tube bundle option can be sized and designed to accommodate either water or steam boiler applications. These units are customizable to your specification with options such as double-wall heat exchanger(s) and steam or hot water control packages for the back-up tube bundle. Lochinvar's Solar Hot Water Generators are designed, engineered, pre-assembled and tested to ensure proper performance from the moment that they are installed.

STANDARD FEATURES

- ASME - All Lochinvar tanks are constructed in accordance with ASME standards and certified for 125 psi working pressure (standard) or 150 psi working pressure (optional).
- Glass Tank Lining – Specially formulated vitreous porcelain enamel is applied to all interior surfaces and molecularly bonded by firing the tank at 1600°F.
- Cathodic Protection – All glass lined tanks are equipped with magnesium anodes to provide protection against corrosion.
- Five-Year Limited Tank Warranty – Provides warranty protection against tank failure. (See warranty for details)
- One-Year Limited Warranty – Tube Bundle, parts, accessories and controls (See warranty for details)

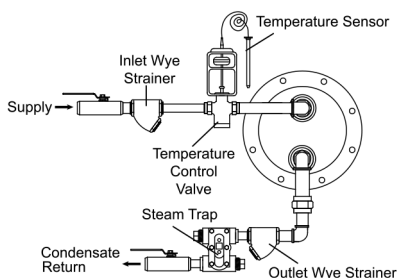
OPTIONAL EQUIPMENT

- Manual Reset High Limit with Solenoid Valve (for back-up heat controls)
- Manway (required for 48" and longer tube bundles; not available for 120 and 200 gal. models)
- Cement Tank Lining
- 150 psi Tank Working Pressure
- Temperature & Pressure Gauge

OPTIONAL CONTROL PANEL PACKAGES

Steam to Water Optional Control Package for Backup Heat

Control packages include an isolation valve, 2-way self-operated temperature regulator, inlet and outlet wye strainers, a float and thermostatic steam trap and all necessary piping.

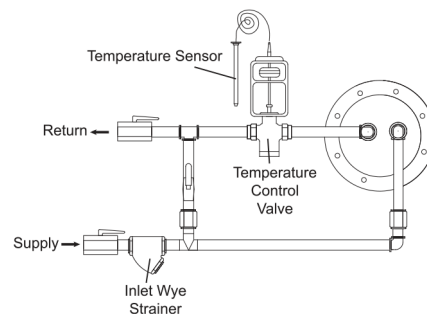


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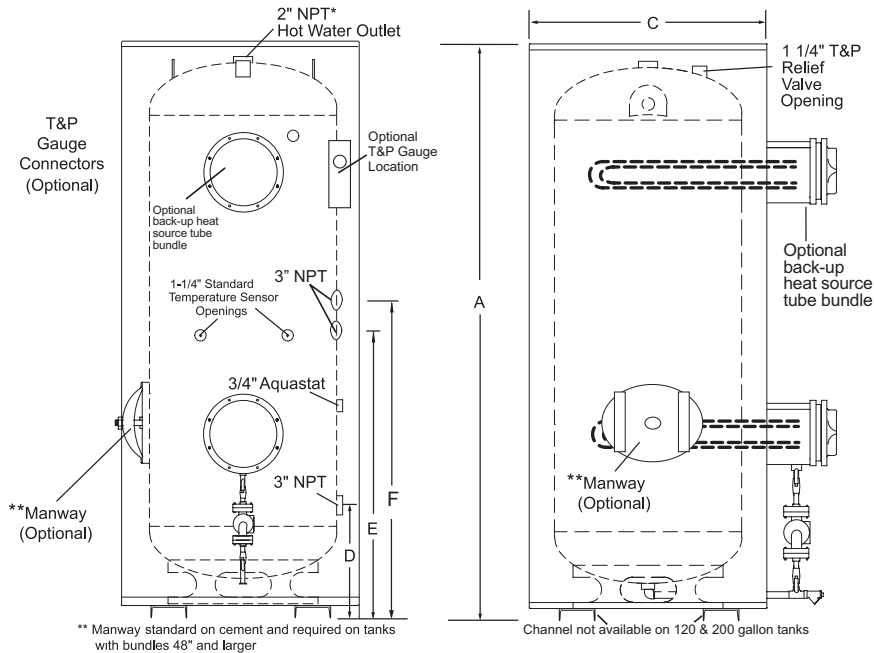


Water to Water Optional Control Package for Backup Heat

Control packages include isolation valves, 2-way self-operated temperature regulator, inlet wye strainer and all necessary piping.



SOLAR HOT WATER GENERATORS DIMENSIONS AND SPECIFICATIONS



VERTICAL TANKS ROUND JACKETED DIMENSIONS AND SPECIFICATIONS

Model Number	Gallon Capacity	A	C	D	E	F	Solar Tube Bundle D X W	Tube Bundle Surface Area	Max Bundle Length	Ship Weight (lbs)
SWG0120	120	62-1/2"	28"	11"	35"	43"	8"x30"	19	30"	450
SWG0200	200	77-1/4"	32"	11-1/2"	42"	50"	10"x30"	35-1/2	30"	600
SWG0257	257	92"	34"	18"	51-1/2"	59-1/2"	10"x36"	43	36"	902
SWG0318	318	80"	40"	19-1/2"	46"	54"	12"x36"	61	42"	993
SWG0432	432	81"	46"	19-1/2"	46"	54"	12"x42"	72	42"	1,269
SWG0504	504	92"	46"	21"	51-1/2"	59-1/2"	12"x48"	83	48"	1,373
SWG0650	650	92"	52"	23"	52"	60"	14"x48"	112	54"	1,966
SWG0752	752	104"	52"	23"	58"	66"	14"x54"	127	54"	2,030
SWG0940	940	128"	52"	23"	70"	78"	16"x54"	168	54"	2,376

Note: Optional boiler back up tube bundles must be sized and quoted by the factory specific to your installation.

In addition to the models shown above, Lochinvar manufactures custom solar Hot Water Generators built to your specifications with glass linings in sizes up to 5000 gallons.

For technical information call 800-722-2101. Lochinvar LLC reserves the right to make product changes or improvements without prior notice. Dimensions are approximate and should not be used for construction purposes.



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