

**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.

## Outstanding 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

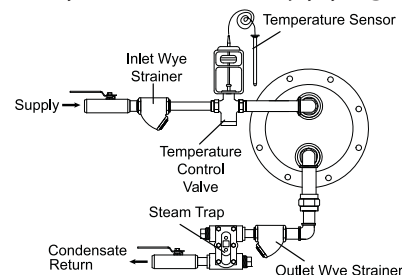
- Manual Reset High Limit w/ Solenoid Valve (for back-up heat controls)
- Manway (required for 48" and longer tube bundles; not available for 120 and 200 gal. models)
- Cement Tank Lining
- 150 psi Tank Working Pressure
- Temperature & Pressure Gauge



## Optional Control Packages

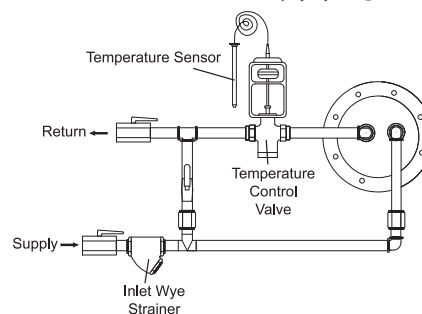
### Steam to Water Optional Control Package for Backup Heat

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.

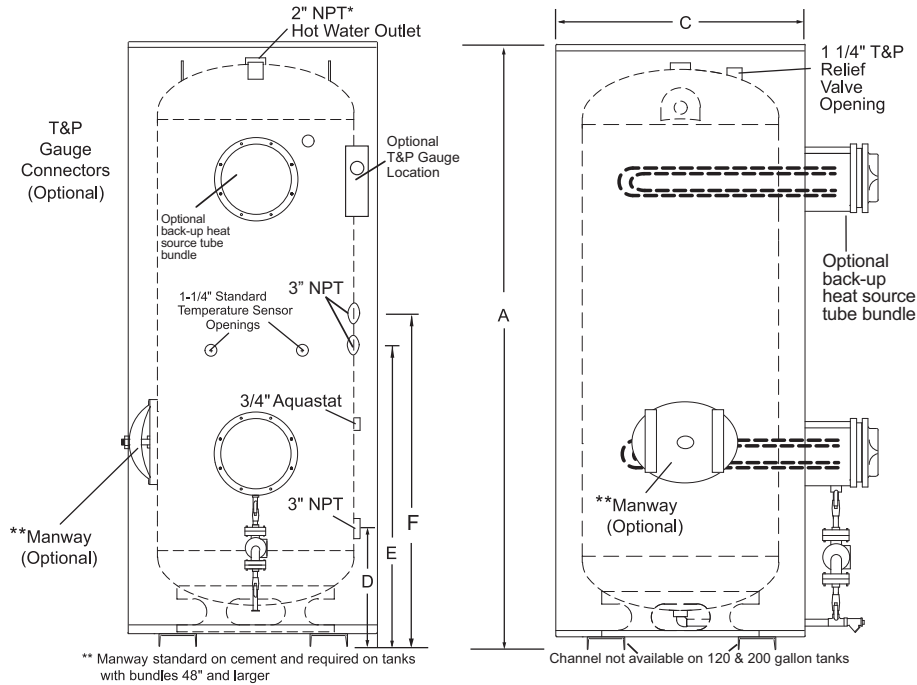


### Water to Water Optional Control Package for Backup Heat

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



# Solar Hot Water Generators Dimensions & Specifications



## Vertical Tanks Round Jacketed

Model Number	Gallon Capacity	A	C	D	E	F	Maximum Coil Length	Shipping Weight
SWG0120	120	62-1/2"	28"	11"	35"	43"	30"	378
SWG0200	200	77-1/4"	32"	11-1/2"	42"	50"	30"	556
SWG0257	257	92"	34"	18"	51-1/2"	59-1/2"	36"	628
SWG0318	318	80"	40"	19-1/2"	46"	54"	42"	673
SWG0432	432	81"	46"	19-1/2"	46"	54"	42"	909
SWG0504	504	92"	46"	21"	51-1/2"	59-1/2"	48"	1,050
SWG0650	650	92"	52"	23"	52"	60"	54"	1,346
SWG0752	752	104"	52"	23"	58"	66"	54"	1,507
SWG0940	940	128"	52"	23"	70"	78"	54"	1,828

Note: Tube bundles must be sized and quoted by the factory specific to your installation. Please contact [LochinvarSolar@lochinvar.com](mailto:LochinvarSolar@lochinvar.com) for sizing assistance.

*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.*



Lochinvar, LLC  
 300 Maddox Simpson Parkway  
 Lebanon, Tennessee 37090  
 P: 615-889-8900 / F: 615-547-1000  
[www.Lochinvar.com](http://www.Lochinvar.com)

