

**Solar Expansion Tanks** – Membrane expansion vessels suitable for closed loop forced circulation solar systems. These vessels are equipped with a special solar membrane designed as a diaphragm, that separates the gas from the solar fluid with temperatures up to 212°F and pressures up to 145psi.



Part Number	Capacity	Connection	Mount	Part Number	Capacity	Connection	Mount
EXP20001	5 gallons	3/4" NPT	Suspended	EXP20006	26 gallons	1" NPT	Floor Standing
EXP20002	7 gallons	3/4" NPT	Suspended	EXP20007	37 gallons	1" NPT	Floor Standing
EXP20003	9 gallons	3/4" NPT	Floor Standing	EXP20008	53 gallons	1" NPT	Floor Standing
EXP20004	13 gallons	3/4" NPT	Floor Standing	EXP20009	79 gallons	1" NPT	Floor Standing
EXP20005	21 gallons	3/4" NPT	Floor Standing	EXP20010	132 gallons	1" NPT	Floor Standing

**3-Way Control Valves** – Characterized control valves, 120VAC actuated, non-spring return diverting valves with forged brass-nickel plated bodies, stainless steel ball and stem, PTFE seats and EPDM lubricated o-ring packing.



Part Number	Size	Cv
VAL20056	3/4" NPT	4.7
VAL20057	1" NPT	7.4
VAL20058	1-1/4" NPT	10
VAL20059	1-1/2" NPT	19
VAL20060	2" NPT	29

**Solar Circuit Balancing Valve** – Manually adjusted balancing valves with brass body, brass ball, chrome plated brass stem and PTFE ball seat. Valve features a side mounted flow meter in a bypass circuit that is engaged only during the testing and balance of the solar circuit. Valve comes complete with insulation shell for added efficiency of the solar system. One valve per solar circuit required when more than one array of collectors is installed on a solar system.



Part Number	Size	Cv	Flow Rates
VAL20053	1/2" NPT	TBD	1/2 — 1-3/4 GPM
VAL20054	3/4" NPT	TBD	2 — 7 GPM

**Corrugated Stainless Steel Pipe** – Corrugated 316L Stainless Steel flexible supply and return lines for solar heated water systems enclosed in insulation, abrasion resistant, UV protected jacket. Utilizes self-flaring fittings that require no special tools, features metal-to-metal sealing surfaces and does not require any gaskets or rubber washers. 125 Psig maximum working pressure.



Part Number	Description	Weight
TUB20019	3/4" Dual insulated flexible piping w/ 2 wire sensor cable - 100 ft roll	94lbs.
TUB20020	3/4" Single insulated flexible piping without sensor cable - 100 ft roll	45lbs.
TUB20024	3/4" SS Flex pipe to compression adaptor for 3/4" copper tube	1lbs.
TUB20025	3/4" SS Flex pipe to 3/4" NPT adaptor	1lbs.



**Automatic Air Vent** –Auto-closing air vent to be installed at the collector. Air vent automatically prevents air release when system temperature reaches 194°F. ½” NPT female threads for system connection and ½” NPT male threads for vent connection.

Part Number – RLV20001



**Solar Glycol** –Industrially inhibited propylene glycol-based heat transfer fluid. 94% propylene glycol with balance corrosion inhibitors, water and dye. Dye bright yellow to aid in leak detection and shipped in a 5-gallon container.

Part Number – SCA20014



**Solar Collector Transport Tool** –Clamping devise used to aid in transportation and installation of SLV/SLH collectors. One set required for crane support, 2 sets for transportation of collectors by hand.

*NOTE – SCH collectors are shipped with removable lifting lugs and do not require the purchase of transport tools.*

Part Number – SCA20016



**Solar Panel Pressure Check Unit** –Set consists of: air connector and shut-off with pressure gauge, panel connectors, dummy plug and quick release fasteners.

Part Number	Description
SCA20018	SLV/SLH Pressure Check Unit
SCA20019	SCH Pressure Check Unit



**Solar System Check Case** –Used for pre-installation analysis of the solar site, start-up and annual checks of solar systems. This kit contains test and information labels, a digital refractometer for measuring the concentration of the system glycol, pH measuring strips, inclinometer, compass and a pressure gauge.

Part Number – SCA20020



**Solar System Flush & Fill Pump** –Cart mounted flush & fill system which includes dry self priming impeller pump, pre-pump filter, two 6 ½’ x ½” hoses and an 8-gallon glycol holding tank. Pump operates on 110V, includes 6-1/2 ft cord and provides up to 8GPM and 60psi performance.

Part Number – PUM20023



**Drill Mounted Flush & Fill Pump** –Designed to be mounted to an electric hand drill, this pump provides 8GPM and 60psi performance.

Part Number – PUM20024



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