

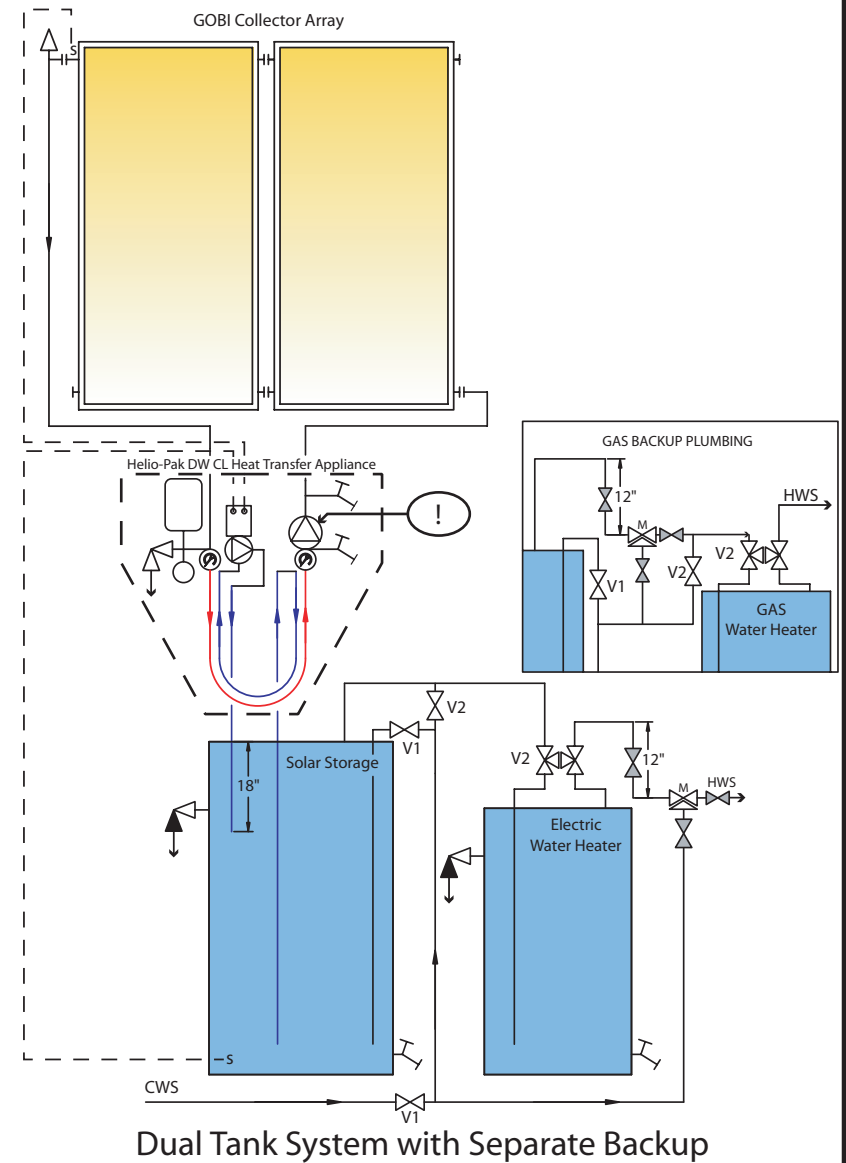
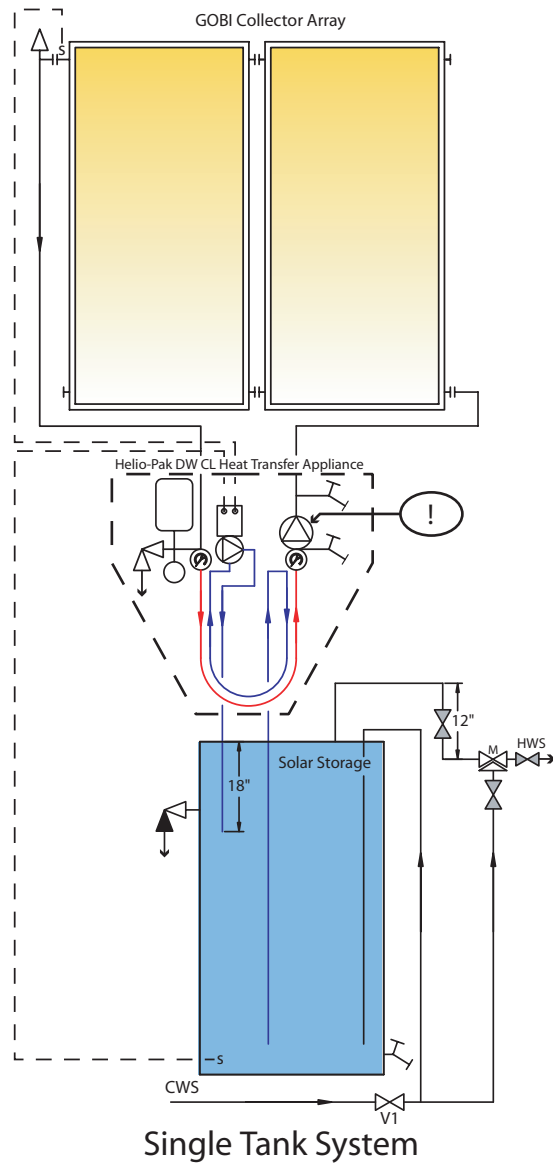
Helio-Pak Double Wall Closed Loop Solar Water Heater

Plumbing Schematic

SYMBOL	DESCRIPTION
	COPPER PIPE
	AIR VENT
	DELTA-T CONTROLLER
	DIVERTAFL0 BYPASS VALVE
	DRAIN VALVE
	DYN-O-SEAL UNION
	EXPANSION TANK
	HELIO-PAK SERIES PUMP
	PRESSURE GAUGE
	PRESSURE RELIEF VALVE
	P & T RELIEF VALVE
	SENSOR
	TEMPERATURE GAUGE
	TEMPERING VALVE
	VALVE <i>Valves that are shaded grey are: Recommended but not required</i>

VALVE #	VALVE STATE
V1	ISOLATION VALVE, NORMALLY OPEN
V2	ISOLATION VALVE, NORMALLY CLOSED
V3	DIVERTAFL0 TO BYPASS OR ISOLATE WATER HEATER

HP 16, 24 and 32 DW CL model collector pumps have an internal check valve. C.V. for the HP 48 must be purchased separately.



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