The SolarWave™ Series

Features

- High temperature butyl diaphragm
- High expansion volume factor
- Patented stainless steel connection
- Two part polyurethane, epoxy primed paint finish
- Leak free o-ring sealed air valve cap
- Comprehensive testing
- No maintenance

SolarWave™

If you are looking for the proven performance of a GWS tank, SolarWave™ expansion tanks are the quality solution for your solar system. SolarWave™ expansion tanks are designed to control the expansion and contraction of Solar Thermal Transfer Fluids in Solar Heating Systems. The SolarWave™ Series is intended for use on the Solar Liquid Loop of indirect thermal transfer systems.

SolarWave™ tanks are built to the same stringent standards as Pressure Wave™ and Challenger™ tanks. They meet the demands of solar collector systems for both thermal expansion and contraction in order to maintain safe and efficient operating pressures within the solar liquid system.

A properly sized SolarWave™ tank will eliminate the need for recharging the system after periods of no use or in cases of extreme temperature buildup. It will eliminate relief valve release of system liquid and maintain minimum operating pressures throughout the system.

SolarWave™ Series expansion tanks have a large acceptance volume making them ideal for expansion and contraction control of solar collector systems which operate under a wide range of pressure and temperature.

SolarWave™ tanks are quality tested at several stages on the production line to insure the structural integrity of every tank.

SolarWave™ tanks represent the best value for the investment and are the best quality solar expansion vessels available today.

GLOBAL WATER SOLUTIONS LTD.

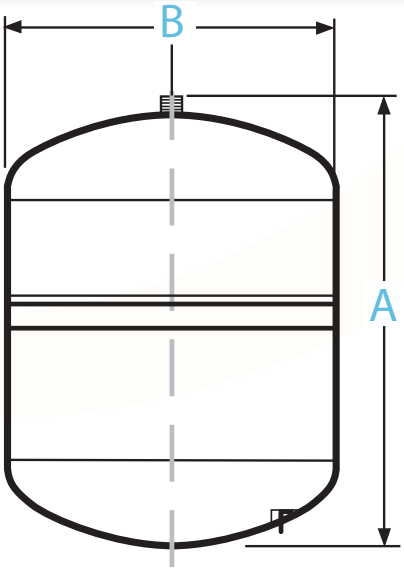
SolarWave

SolarWave™ Series Models

Specifications

Model #'s	Dimensions A		Dimensions B		Nominal Volume		Shipping (box) Volume		Shipping (box) Weight	
	cm	inches	cm	inches	liter	gal	cu. M	cu. ft	kilos	lbs
SW8	31.7	12.7	20.3	8.1	8	2.1	0.016	0.55	2.6	5.7
SW12	36.6	14.6	24.4	9.8	12	3.2	0.023	0.82	3.2	7.0
SW18	36.8	14.7	27.9	11.2	18	4.8	0.031	1.10	4.3	9.5
SW24	44.4	17.8	29.2	11.7	24	6	0.042	1.50	5.6	12.3
SW35	48.1	18.9	31.8	12.5	35	9.2	0.065	2.30	7.0	15.4
SW60V	62.6	25.0	38.8	15.5	60	14	0.093	3.30	12.3	27.1
SW80V	79	31.6	38.8	15.5	80	20	0.127	4.50	16.7	36.7
SW100V	80.4	31.7	43	16.9	100	26.4	0.168	5.93	18.9	41.6
SW150V	107	42.1	43	16.9	150	40	0.213	7.52	26	57.3

Maximum system temperature: 270°F / 130°C
Maximum working pressure: 150 psi / 10bar
System connection: SW8 - SW35 stainless steel 3/4" BSP inline
SW60V - SW150V stainless steel1" BSP elbow
Factory pre-charge: 28 psi/1.9 bar
Above 150 liter use Challenger ™ Series tanks



If the temperature of the Solar system has the potential to rise above the evaporation point of the solar liquid a condenser chamber or coil is required between the Solar collector and SolarWave™ Series expansion tank in order to control the maximum fluid temperature at the SolarWave™ tank.

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