



HeatWave™ Series

Non-potable hydronic heating expansion tanks



Features

- High-grade butyl diaphragm
- Dual layer polyurethane paint finish
- Chromed steel connection
- Leak-free O-ring sealed air valve
- Comprehensive testing



Certifications may vary by model. Check with your GWS sales representative for more detailed information.

HeatWave™ tanks are built to the same stringent standards as the PressureWave™ and Challenger™ tanks.

Incorporating a welded hex nut connection, HeatWave tanks are easy to install. The air chamber is sealed with a brass air valve and O-ring sealed air valve cap providing many years of leak-free and service-free life. Its dual layer polyurethane paint finish will withstand the harshest indoor and outdoor climates throughout the world. HeatWave tanks are quality tested at several stages on the production line to ensure the structural integrity of every tank.

HeatWave inline models are designed to be installed on system piping and supported by the GWS universal wall-mounting bracket. Freestanding vertical and horizontal models are constructed with a rigid base designed to support the weight of the tank during operation.

The expansion tank, pipes, and its connection, if installed incorrectly, could leak water. The expansion tank must be connected to the closed loop circuit and should only be used in close loop circuits with correct levels of corrosion inhibitor. Do not connect in an open-loop circuit or where fresh water can be used as a regular top up.

HeatWave tanks are intended for use in closed-loop systems and should never be installed in open loop or potable water systems. Failure to comply could result in tank failure and subsequent property damage.

⚠ HeatWave tanks are restricted for use in closed loop non potable hot water systems only.

⚠ Corrosion inhibitors such as propylene glycol can be used in mixture concentrations up to 50% (ethylene glycols should be avoided at all cost).

Models

Model Number	Connection	Nominal Volume		Dimensions (mm)			Gross Weight [kg]
BSP		Liters	Gallons	A	B	C	
Inline							
HWB-2LX*	¾" BSPT	2	0.5	204	126	-	12.4
HWB-4LX	¾" BSPT	4	1.1	256	162	-	1.7
HWB-8LX	¾" BSPT	8	2.1	308	202	-	2.0
HWB-12LX	¾" BSPT	12	3.2	362	230	-	2.8
HWB-18LX	¾" BSPT	18	4.8	362	279	-	3.5
HWB-24LX	¾" BSPT	24	6.3	442	290	-	4.4
HWB-35LX	¾" BSPT	35	9.2	476	318	-	6.8
Vertical							
HWB-60LV	¾" BSPT	60	15.8	575	398	63	10.5
HWB-80LV	¾" BSPT	80	21.1	815	389	63	14.3
HWB-100LV	1" BSPP	100	26.4	805	430	59	19.5
HWB-130LV	1" BSPP	130	34.3	958	430	60	18.9
HWB-150LV	1" BSPP	150	39.6	938	530	66	34.0
HWB-INT-200LV**	1¼" BSPT	200	52.8	1073	590	-	38.2
HWB-INT-300LV**	1¼" BSPT	300	79.2	1238	680	-	44.5
HWB-INT-500LV**	1¼" BSPT	500	132.1	1561	756	-	98.0

*HWB-2LX: 12 pcs/box

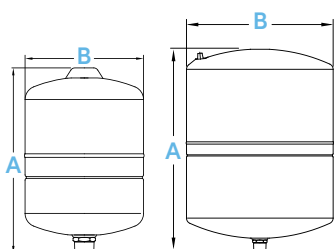
Note: Minor dimensional variations may occur.

**exchangeable membrane

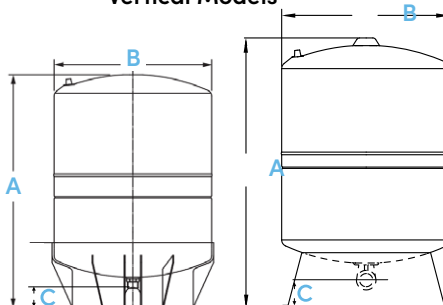
Specifications

Product Series Name	HeatWave™
Nominal Volumes	2 - 500 L / 0.5 - 132.1 gal
Min. Operating Temperature	-10°C / 14°F (Avoid Freezing)
Max. Operating Temperature	99°C / 210°F
Max. Operating Pressure	6 bar 87 psi HWB-INT: 10 bar 150 psi
Factory Pre-charge	HWB-2LX ~ HWB-24LX: 0.7 bar 10 psi HWB-35LX: 1 bar 15 psi HWB-60LV ~ HWB-150LV: 1.5 bar 22 psi HWB-INT-200LV ~ HWB-INT-500LV: 1.5 bar 22 psi

Inline Models



Vertical Models



Exchangeable Membrane Models

