

## THERMAL EXPANSION VESSELS



### ***Expansion Cylinders***

# CA-HVAC EXPANSION VESSELS

The CA-HVAC range of expansion tanks are available in three styles: horizontal, vertical and pipeline mounted. These tanks are designed to facilitate the pressurisation of hydraulic systems and enable a constant supply throughout the system on both heating and potable water systems.

## Applications

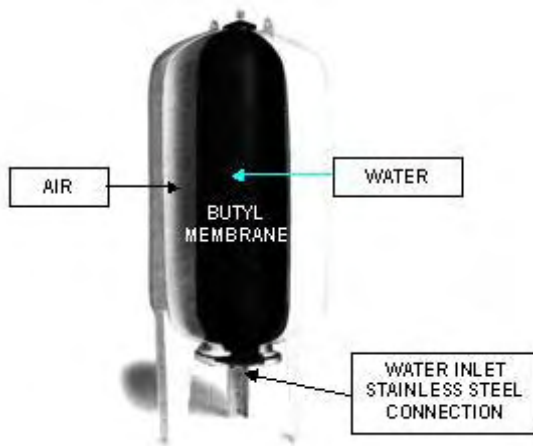
The GLV range is suitable for many types of system:- domestic, commercial, industrial and agricultural. The membrane, made from food grade material (EPDM), is perfectly acceptable for use on potable water supplies and is approved by the WAC. With a temperature range of -10°C to + 100°C the tank may be used on domestic hot water supplies as an expansion vessel. Other typical applications include -water treatment, pressurisation systems, booster sets, reverse osmosis and as an aid to reduce water hammer.

## Technical Specifications

- ✓ Temperature range -10°C to +100°C.
- ✓ Interchangeable EPDM Membrane.
- ✓ Maximum of 10 BarG system pressure. (16 BarG models available)
- ✓ Supplied with 1.5 or 2.5 BAR pre-charge pressure.
- ✓ Suitable for hot & cold water, glycol mixtures, de-mineralised and de-ionised water.
- ✓ Available in weatherproof finish on request.
- ✓ Vertical, horizontal and pipeline mounted models.
- ✓ WRC approved.
- ✓ Manufactured to DIN 4807 (section 3). Water totally isolated from tank body avoiding dangerous corrosion.

## Advantages

- ✓ Easy and fast Installation.
- ✓ -10°C to +100°C.
- ✓ Rubber membrane (EPDM) approved by WRC eliminates water to metal contact, effectively eliminating corrosion.
- ✓ Reduces frequent pump starts by acting as a pressure reservoir.
- ✓ Interchangeable membrane to ensure long life.



## Vessel Types

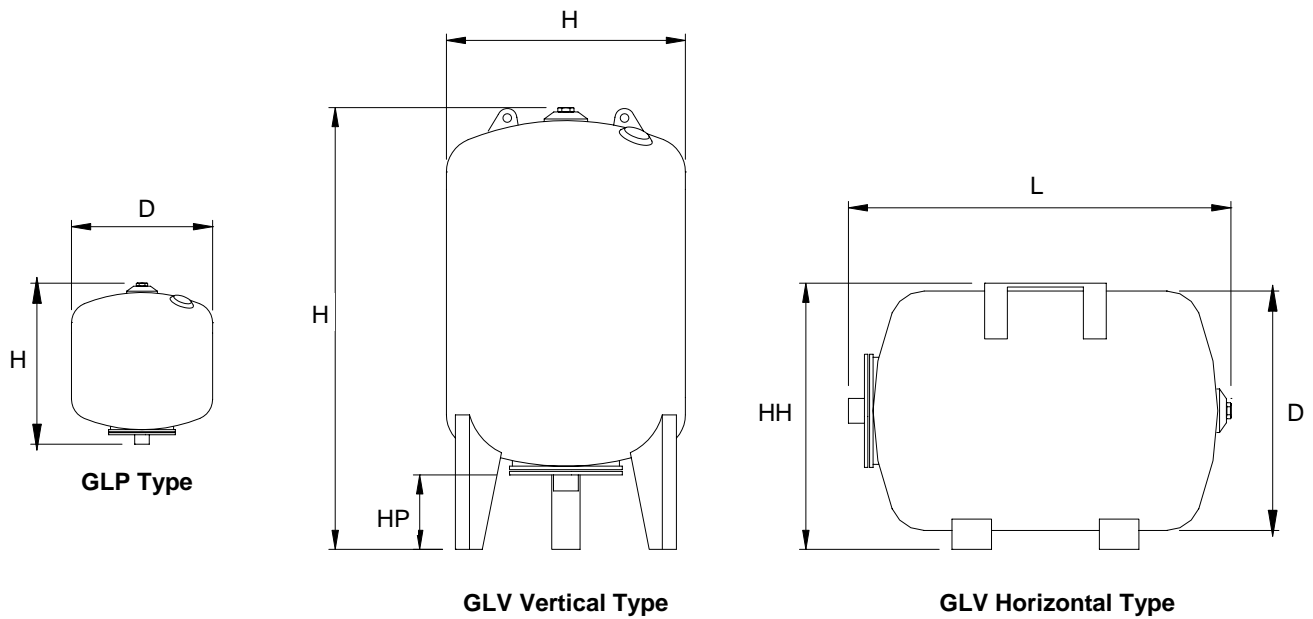
GLP - Pipe Mounted Units

GLV - Vertical Units With Legs

GLH—Horizontal Units With Cradles

Connections: Stainless Steel

# CA-HVAC EXPANSION VESSELS



GLV Vertical Type

GLV Horizontal Type

Model	Capacity Litres	Diameter D	Height H	Height HH	Length L	Feet HP	Connection Size	Weight kg
GLP3	3	170	240				¾" BSPM	1.3
GLP5	5	170	280				¾" BSPM	1.4
GLP8	8	220	310				¾" BSPM	1.8
GLP12	12	265	315				¾" BSPM	2.4
GLP16	16	265	340				¾" BSPM	3.0
GLP18	18	265	375				¾" BSPM	3.2
GLP24 / GLH24	24	265	485	285	485		1" BSPM	3.6
GLP35	35	380	470				1" BSPM	7.0
GLV50 / GLH50	50	380	740	405	595	140	1" BSPM	10.3
GLV60 / GLH60	60	380	830	405	720	140	1" BSPM	11.3
GLV80 / GLH80	80	460	760	485	660	140	1" BSPM	14.0
GLV100 / GLH100	100	460	880	485	780	140	1" BSPM	17.6
GLV150 / GLH150	150	510	1030	545	950	140	1¼" BSPM	24.7
GLV200 / GLH200	200	590	1070	630	940	140	1¼" BSPM	27.4
GLV300 / GLH300	300	650	1250	690	1150	140	1¼" BSPM	43.8
GLV500 / GLH500	500	750	1600	820	1420	240	1¼" BSPM	81.1
GLV750	750	800	1820			280	2" BSPF	157
GLV1000	1000	800	2130			280	2½" BSPF	187
GLV1500	1500	1000	2130			250	2½" BSPF	241
GLV2000	2000	1100	2550			365	DN65	301
GLV2500	2500	1100	2850			365	DN65	*
GLV3000	3000	1250	2950			335	DN65	*

\* - Information available on request

Please note all informationshown within this leaflet is subject to change without prior notice