

BOSS Potable Expansion Vessel Overview

Description:

The BOSS Potable is an expansion vessel that is intended for use on unvented potable systems. The vessel is comprised of a high strength steel shell and EPDM or BUTYL diaphragm.

Product Features:

- Easy to install with long service life
- Replaceable diaphragm

Certifications and Standards Applied:

- PED 97/23/EC
- Directive 89/336/EEC according to DIN 4807-5
- CE Approved
- ACS Certified
- WRAS approved
- Material quality: RSt37.2/C22.3 : DIN
- Manufactured and tested to BS 6144 (A requirement of BS 6700)

Maximum Operating Conditions:

- | | |
|-------------------------------|----------------------------------|
| • Maximum Vessel Temperature: | 100°C |
| • Minimum Vessel Temperature: | - 10°C |
| • Standard Pre-Pressure: | 2.7 Bar (Upto 300 litres) |
| • Standard Pre-Pressure: | 2.7 Bar (500 to 1000 litres) |
| • Working pressure: | 10 Bar (except 750 litres 8 Bar) |

Application of Use:

- Heated water systems
- Chilled water systems
- H&CWS systems



Selection Details

Selecting expansion vessel:

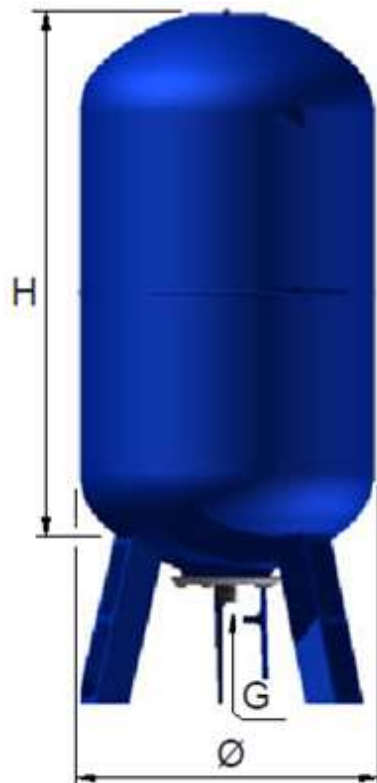
- Thermal input to the system.
- System volume.
- Fluid makeup i.e. 100% water, 80% Water / 20% Glycol etc.
- Maximum working temperature.
- Maximum working pressure of the system.
- Cold fill pressure / static height.

Material of Construction:

- Vessel: Steel RSt37.2/C22
- Counter flange: Galvanised Steel with PP protection
- Membrane: Butyl rubber (2 to 12 Litres & 1000 Litres)
- Membrane: EPDM rubber (16 Litres to 750 Litres)

Dimensions:

Type	Volume (l)	Maximum Working Temp (°C)	Minimum Working Temp (°C)	Weight (kg)	Connection (BSP M)	Dimensions		Group Code
						Ø (mm)	H (mm)	
Boss Potable 2 Litre	2	100	-10	1,2	½"	120	235	19711414
Boss Potable 5 Litre	5	100	-10	1.7	¾"	170	275	19711425
Boss Potable 8 Litre	8	100	-10	2.2	¾"	220	305	19711222
Boss Potable 12 Litre	12	100	-10	2.9	¾"	260	310	19711233
Boss Potable 18 Litre	18	100	-10	3.5	¾"	260	375	19711244
Boss Potable 24 Litre	24	100	-10	4.3	¾"	260	485	19711255
Boss Potable 35 Litre	35	100	-10	8	1"	380	470	19711436
Boss Potable 50 Litre	50	100	-10	9.9	1"	380	720	19711266
Boss Potable 60 Litre	60	100	-10	12.1	1"	380	830	19711384
Boss Potable 80 Litre	80	100	-10	14	1"	460	760	19711277
Boss Potable 100 Litre	100	100	-10	16	1"	460	880	19711288
Boss Potable 150 Litre	150	100	-10	25.5	1"	510	1030	19711447
Boss Potable 200 Litre	200	100	-10	37.5	1 ¼"	590	1070	19711307
Boss Potable 300 Litre	300	100	-10	50.5	1 ¼"	650	1250	19711329
Boss Potable 500 Litre	500	100	-10	86	1 ¼"	750	1600	19711351
Boss Potable 750 Litre	750	100	-10	153.5	R 2"	800	1820	19711362
Boss Potable 1000 Litre	1000	100	-10	183.5	R2 ½"	800	2130	19711373



PORTABLE 50 - 1000 Litres



PORTABLE 2 - 35 Litres

Installation & Placement:

BOSS Potable 2-35 litres must be mounted with water connection pointing downwards.

BOSS Potable 50 -1000 litres are installed upright.

Apply PTFE tape to the connection.

For water installation must be fitted to the cold water feed pipe.

Typical Installation Diagram (illustration purposes only) Model BOSS Potable

