

EXPANSION VESSELS

Smedegaard's extensive range of vessels vary in size between 5 and 3000 litres. Each vessel is fitted with an EPDM renewable rubber diaphragm making it suitable for use in LPHW heating systems, chilled water systems, HWS systems and as a pump control vessel on a cold water booster set.

Vessels up to 18 litres are suitable for mounting directly in the pipework.

Vertical standing vessels are available between 60 and 3000 litres and horizontal vessels between 24 and 300 litres.

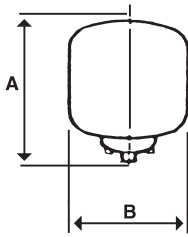
Max. working pressure - up to 10 bar.

Temperature range - from -5°C to +100°C.

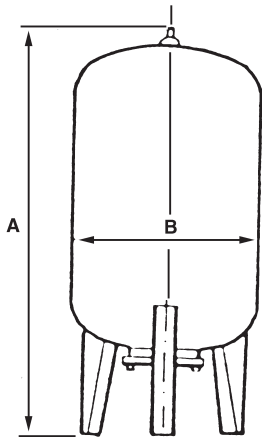
All vessels are factory charged with air at 1.5 bar, unless otherwise instructed. This pressure will need to be corrected to suit the design condition of the system, via the Schraeder valve located near the top of the vessel.

Smedegaard will be pleased to assist in sizing the correct vessel for your specific application.

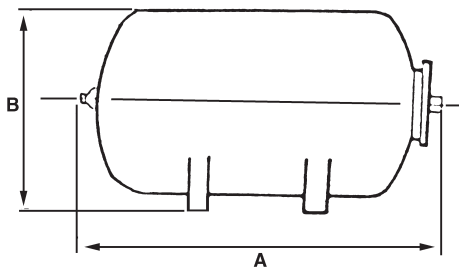
Type 1



Type 2



Type 3



Type 1 (Pipeline Mounting)

Capacity litres	Max. Pressure bar	Connection Size BSPM	A mm	B mm
5	8	3/4"	230	200
8	8	3/4"	320	200
18	8	3/4"	405	270

Type 2 (Vertical Standing)

Capacity litres	Max. Pressure bar	Connection Size BSP	A mm	B mm
60	10	1" M	855	400
80	10	1" M	900	460
100	10	1" M	880	500
150	10	1" M	1030	510
200	10	1 1/4" M	1253	590
300	10	1 1/4" M	1371	650
500	10	1 1/4" M	1600	766
750	10	2" F	1970	800
1000	10	2 1/2" F	2430	800
1500	10	2 1/2" F	2130	1000
2000	10	2 1/2" F	2250	1100
2500	10	2 1/2" F	2400	1100
3000	10	2 1/2" F	2890	1100

Type 3 (Horizontal Standing)

Capacity litres	Max. Pressure bar	Connection Size BSPM	A mm	B mm
24	8	1"	495	260
50	10	1"	700	405
60	10	1"	810	405
80	10	1"	970	495
100	10	1"	990	495
200	10	1 1/4"	1220	625
300	10	1 1/4"	1220	680

Please note:- Other vessels of differing dimensions are also available.

PR3/11/01

Whilst every care has been taken to ensure that data is correct, no responsibility can be accepted for inaccuracies or misprints.

It is SMEDEGAARD's policy to continually improve and develop the product range. We reserve the right to change specifications without prior notice.

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EXPANSION VESSELS



- Complete range of vessels 5–3000 litres
- All vessels have replaceable EPDM rubber diaphragms
- Pipeline mounted vessels 5–18 litres
- Vertical standing vessels 60–3000 litres
- Horizontal standing vessels 24–300 litres
- Suitable for potable water
- Suitable for temperatures between -10°C and $+100^{\circ}\text{C}$
- Maximum working pressure 8–10 bar
- Vessels with higher working pressures available upon request
- W.R.C. approved and manufactured in accordance with BS4814 and BS6144