



EXPANSION VESSELS



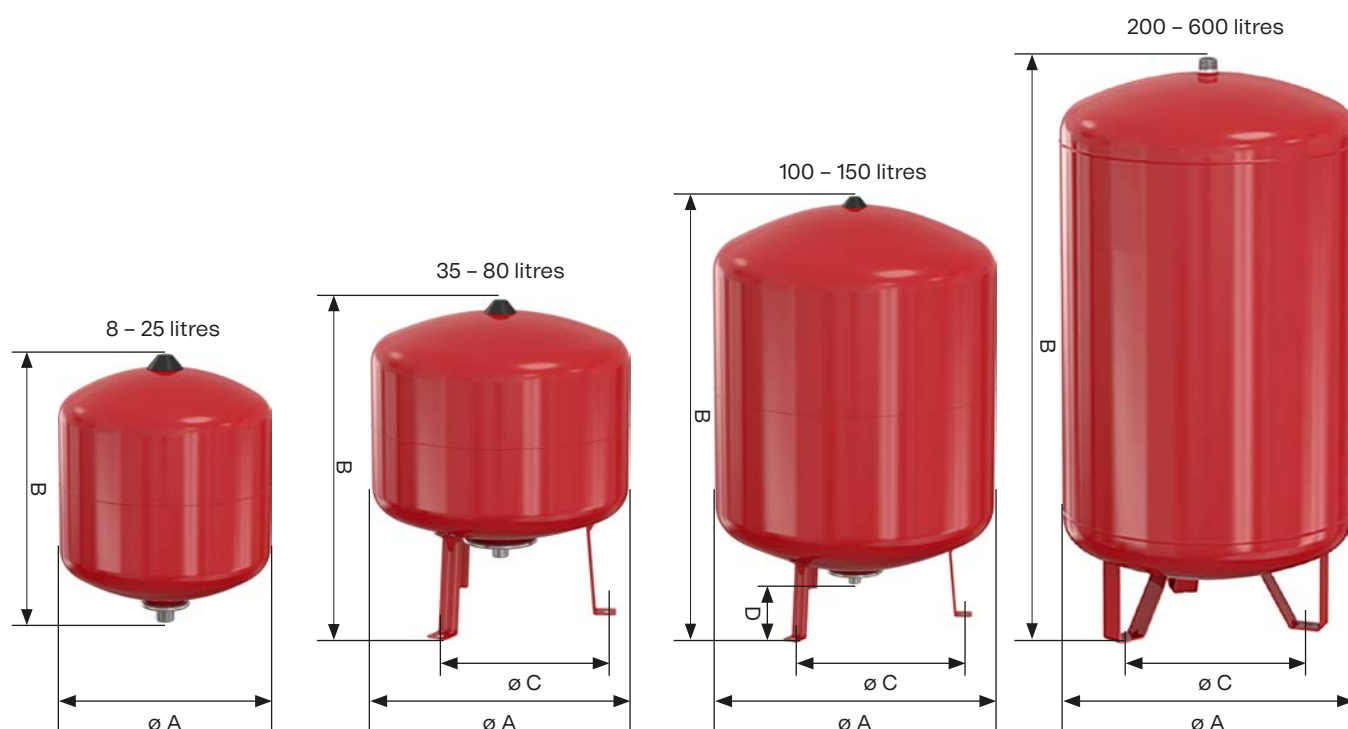
Product information

Expansion vessels

Altech expansion vessels are intended for closed heating and cooling installations. The vessels are available in sizes of 8–600 litres and are CE approved in accordance with PED 2014/68/EU.

- 8–25 litre vessels are wall-mounted (wall bracket MB2 item no. 5532411 and assembly line, item no. 5535041 are sold separately)
- 35–600 litre vessels are installed standing on a floor
- Max. operating temperature: 120 °C
- Lowest/highest continuous membrane temperature: -10 °C / +70 °C
- Membrane material: 8–150 litre: EPDM. 200–600 litre: SBR IR
- Suitable frost protection:
 - Add maximally 50% glycol to 8–600 litre vessels
 - Add maximally 30% ethanol to 8–150 litre vessels

Item No.	Volume (lit)	Charge pressure (bar)	Max. operating pressure	ø A (mm)	B height (mm)	ø C (mm)	D (mm)	Connection	Connection outside	Vikt (kg)
5539330	8	1,5	6	235	272	-		Toppen / Botten	3/4"	2,2
5539331	12	1,5	6	235	363	-		Toppen / Botten	3/4"	2,4
5539332	18	1,5	6	290	375	-		Toppen / Botten	3/4"	3,4
5539333	25	1,5	6	290	479	-		Toppen / Botten	3/4"	4,2
5539334	35	1,5	6	390	482	330	70	Botten	3/4"	5,4
5539335	50	1,5	6	390	607	330	70	Botten	3/4"	8,7
5539336	80	1,5	6	390	854	330	70	Botten	3/4"	12,3
5539344	100	1,5	6	550	630	440	63	Botten	3/4"	13,9
5539345	150	1,5	6	550	837	440	63	Botten	3/4"	17,6
5534989	200	1,5	6	484	1296	360		Toppen	1"	38,1
5534990	250	1,5	6	600	1153	450		Toppen	1"	51,7
5534991	300	1,5	6	600	1330	450		Toppen	1"	56,9
5535011	500	2,5	6	790	1330	610		Toppen	1"	83,7
5535012	600	2,5	6	790	1538	610		Toppen	1"	92,9



CE CE approved in accordance with PED 2014/68/EU

Expansion vessels accessories

Accessories for Altech expansion vessels

Item No.	Item
5532411	Wall mounting for 8–25 litre vessels. Wall bracket MB2.
5535041	Assembly line for wall bracket MB2.
5530461	Valve kit for 2–50 litre vessels, consisting of: DN 20 manifold, 1.5 bar safety valve, pressure gauge and manual vent.
4842191	Float vents suitable for manifold Item No: 553 15 93/553 15 94. Flexvent with shutoff, DN 10 (3/8").
5531593	Header for 8–25 litre vessels. Wall mount with attachment for vessel, safety valve, pressure gauge and vent. Flexconsole S 20.
5531594	Header for 80 litre and larger vessels. Flexconsole S 25.
5530463	Factory-assembled valve kit, Flexconsole Plus 1.5 bar. Including check valve.

Safety valves

Item No.	Item
5531951	Altech DN 20/1,5 bar
5531932	Prescor DN 20/2,0 bar
5531952	Altech DN 20/2,5 bar
5532026	Altech DN 25/1,5 bar
5532027	Altech DN 25/2,5 bar
5532028	Altech DN 25/3,0 bar
5532029	Altech DN 25/4,0 bar

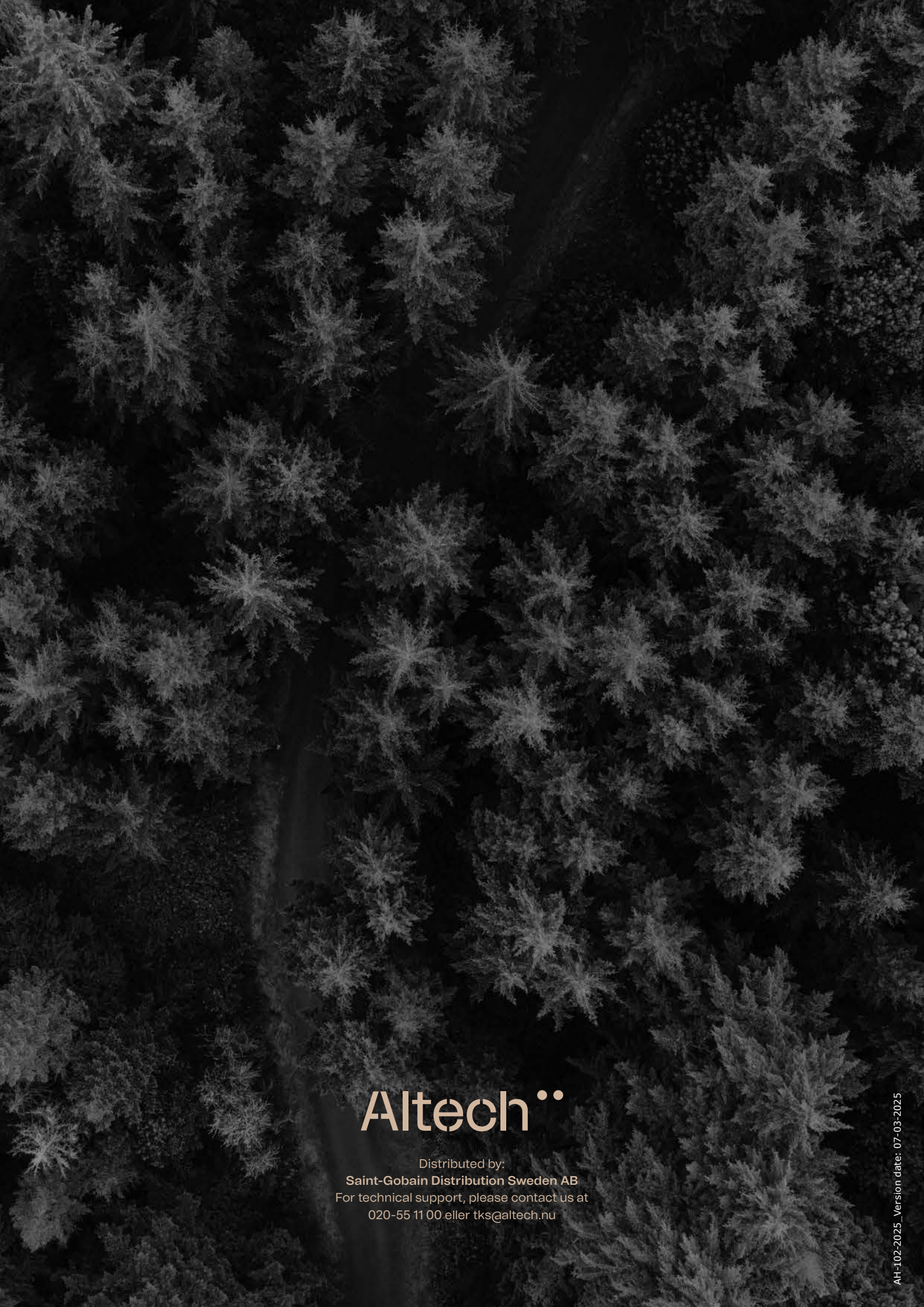
Pressure gauges

Item No.	Item
5531592	Pressure gauge 63 MA axiell D 10 (R3/8") 1,5/4,0 red
5532643	Pressure gauge 63 MR D 10 (R3/8") 1,5/4,0 red
5532650	Pressure gauge 63 MR D 10 (R3/8") 2,0/4,0 red
5532668	Pressure gauge 63 MR D 10 (R3/8") 2,5/4,0 red
5532676	Pressure gauge 63 MR D 10 (R3/8") 3,0/4,0 red

Chemical and physical properties of different types of rubber

The table below provides only an approximate indication of the chemical and physical properties of different types of rubber. Many factors affect the service life of rubber, such as operating temperature, operating conditions and the rubber mixture.

Material	Chemical properties				Physical properties		Application temperature	
	Weather and ozone	Hot water, steam, weak acids, alkalis	Strong and oxidizing acids	Petrol and oils	Abrasion resistance	Ultimate tensile strength Kp/cm ²	Max. °C (dry)	Min. °C
Nitrile/NBR	Fair	Good	Fair	Good	Good	100-250	140	-60
EPDM	Outstanding	Outstanding	Good	Poor	Good	70-180	150	-50
Fluorine/VI-TON	Outstanding	Outstanding	Good	Outstanding	Good	150-200	240	-45
Silicone/SI	Outstanding	Fair	Poor	Fair	Poor	40-100	275	-100
Butyl/IIR	Good	Outstanding	Good	Poor	Fair	100-180	140	-50
Chloroprene/CR	Good	Outstanding	Fair	Fair	Good	100-250	140	-50
Urethane/AU	Outstanding	Poor	Poor	Good	Outstanding	300-500	120	-60
Natural/NR SBR IR	Fair	Outstanding	Fair	Poor	Good	150-300	100	-70
Hypalon/CSM	Outstanding	Good	Good	Fair	Good	100-200	160	-55
Polysulphide/T	Outstanding	Fair	Poor	Outstanding	Poor	40-100	70	-40



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