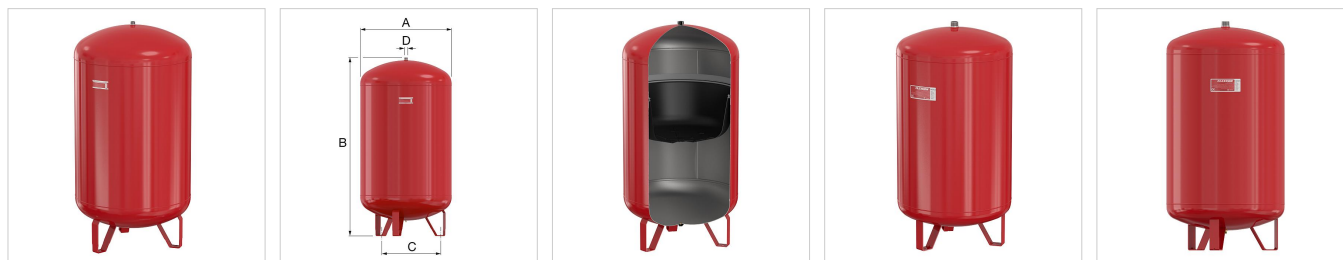


Product Data Sheet

Flexcon 110 - 1000

For sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

When the temperature in the installation rises, the system water will expand. The 'expansion water' is stored temporarily in the expansion vessel to keep the pressure in the installation at the correct level.



Type	Capacity [l]	Pre-charge [bar]	Dimensions			Syst. conn. (D)	Weight [kg]	###	Order Code
			A [mm]	B [mm]	Ø C [mm]				
Flexcon 110	110	0.5	484	784	360	R 1"	19.1	8	16115
Flexcon 110	110	1.0	484	784	360	R 1"	19.1	8	16116
Flexcon 110	110	1.5	484	784	360	R 1"	19.1	8	16117
Flexcon 110	110	2.0	484	784	360	R 1"	19.1	8	16119
Flexcon 110	110	2.5	484	784	360	R 1"	19.1	8	16120
Flexcon 110	110	3.0	484	784	360	R 1"	19.1	8	16110
Flexcon 110	110	*	484	784	360	R 1"	19.1	8	16111
Flexcon 140	140	0.5	484	950	360	R 1"	20.1	8	16145
Flexcon 140	140	1.0	484	950	360	R 1"	20.1	8	16146
Flexcon 140	140	1.5	484	950	360	R 1"	20.1	8	16147
Flexcon 140	140	2.0	484	950	360	R 1"	20.1	8	16141
Flexcon 140	140	2.5	484	950	360	R 1"	20.1	8	16142
Flexcon 140	140	3.0	484	950	360	R 1"	20.1	8	16143
Flexcon 140	140	*	484	950	360	R 1"	20.1	8	16140
Flexcon 200	200	0.5	484	1300	450	R 1"	27.6	8	16205
Flexcon 200	200	1.0	484	1300	450	R 1"	27.6	8	16206
Flexcon 200	200	1.5	484	1300	450	R 1"	27.6	8	16207
Flexcon 200	200	2.0	484	1300	450	R 1"	27.6	8	16208
Flexcon 200	200	2.5	484	1300	450	R 1"	27.6	8	16209
Flexcon 200	200	3.0	484	1300	450	R 1"	27.6	8	16210
Flexcon 200	200	*	484	1300	450	R 1"	27.6	8	16200
Flexcon 300	300	0.5	600	1330	450	R 1"	44.1	6	16301
Flexcon 300	300	1.0	600	1330	450	R 1"	44.1	6	16302
Flexcon 300	300	1.5	600	1330	450	R 1"	44.1	6	16303

Type	Capacity [l]	Pre-charge [bar]	Dimensions			Syst. conn. (D)	Weight [kg]	###	Order Code
			A [mm]	B [mm]	Ø C [mm]				
Flexcon 300	300	2.0	600	1330	450	R 1"	44.1	6	16304
Flexcon 300	300	2.5	600	1330	450	R 1"	44.1	6	16305
Flexcon 300	300	3.0	600	1330	450	R 1"	44.1	6	16306
Flexcon 300	300	*	600	1330	450	R 1"	44.1	6	16300
Flexcon 425	425	0.5	790	1180	610	R 1"	57.4	1	16421
Flexcon 425	425	1.0	790	1180	610	R 1"	57.4	1	16422
Flexcon 425	425	1.5	790	1180	610	R 1"	57.4	1	16423
Flexcon 425	425	2.0	790	1180	610	R 1"	57.4	1	16424
Flexcon 425	425	2.5	790	1180	610	R 1"	57.4	1	16425
Flexcon 425	425	3.0	790	1180	610	R 1"	57.4	1	16426
Flexcon 425	425	*	790	1180	610	R 1"	57.4	1	16420
Flexcon 600	600	0.5	790	1540	610	R 1"	70.1	1	16601
Flexcon 600	600	1.0	790	1540	610	R 1"	70.1	1	16602
Flexcon 600	600	1.5	790	1540	610	R 1"	70.1	1	16603
Flexcon 600	600	2.0	790	1540	610	R 1"	70.1	1	16604
Flexcon 600	600	2.5	790	1540	610	R 1"	70.1	1	16605
Flexcon 600	600	3.0	790	1540	610	R 1"	70.1	1	16606
Flexcon 600	600	*	790	1540	610	R 1"	70.1	1	16600
Flexcon 800	800	0.5	790	1888	610	R 1"	88.0	1	16801
Flexcon 800	800	1.0	790	1888	610	R 1"	88.0	1	16802
Flexcon 800	800	1.5	790	1888	610	R 1"	88.0	1	16803
Flexcon 800	800	2.0	790	1888	610	R 1"	88.0	1	16804
Flexcon 800	800	2.5	790	1888	610	R 1"	88.0	1	16805
Flexcon 800	800	3.0	790	1888	610	R 1"	88.0	1	16806
Flexcon 800	800	*	790	1888	610	R 1"	88.0	1	16800
Flexcon 1000	1000	0.5	790	2268	610	R 1"	101.4	1	16901
Flexcon 1000	1000	1.0	790	2268	610	R 1"	101.4	1	16902
Flexcon 1000	1000	1.5	790	2268	610	R 1"	101.4	1	16903
Flexcon 1000	1000	2.0	790	2268	610	R 1"	101.4	1	16904
Flexcon 1000	1000	2.5	790	2268	610	R 1"	101.4	1	16905
Flexcon 1000	1000	3.0	790	2268	610	R 1"	101.4	1	16906
Flexcon 1000	1000	*	790	2268	610	R 1"	101.4	1	16900

* Specify pre-charge pressure when ordering.



Advantages

- The best expansion vessels thanks to our groundbreaking technology.
- Extremely low permeability of the diaphragm ensures that pre-charge pressure is maintained for a long time.
- The flexible diaphragms with rolling action are preformed and, in contrast to a bag type bladder, prevent stretching so that their properties are preserved over the long term.
- The unique clench ring construction clamps the diaphragm between the two vessel halves. This not only ensures a perfect seal but also prevents mechanical damage of the diaphragm during use (load distribution over the entire clamping area and not at 1 suspension point).
- The gas side is filled with nitrogen, and not with air, so that corrosion is prevented and the pressure loss is even more limited.
- The ribbed profile on the diaphragm prevents it from sticking to the inside wall of the vessel and ensures inflow of expansion water at the slightest increase in pressure.
- Uncoated water connection thread ensures easy and water tight installation.
- Top quality steel and diaphragms.
- Finished with a gleaming epoxy-powder coating.
- Each vessel is factory tested.

Technical information

- Maximum working pressure: 6.0 bar.
- Vessels in accordance with EN13831.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature diaphragm: 70 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.
- All welded construction.
- Flexcon 110 - 300: including mounting kit.
- Red (RAL 3002) epoxy powder coating.



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