

Product Data Sheet (2020-08-04)

Flexcon M

Expansion vessels with a replaceable bladder for use in sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

Particular benefits of use are achieved in installations with large variations between static pressure and pre-set pressure of the safety valve.



Type	Capacity [l]	Pre-charge [bar]	Max. working pressure [bar]	Dimensions				Syst. conn. (E)	Weight [kg]	###	Order Code
				A [mm]	B [mm]	C [mm]	Ø D [mm]				
Flexcon M 100 - 3.0 bar	100	3.0	6.0	484	958	928	360	G 1 1/4" M	23	1	22000
Flexcon M 100 - 6.0 bar	100	6.0	10.0	484	958	928	360	G 1 1/4" M	33	1	22010
Flexcon M 200 - 3.0 bar	200	3.0	6.0	484	1500	1470	360	G 1 1/4" M	30	1	22001
Flexcon M 200 - 6.0 bar	200	6.0	10.0	600	1132	1106	360	G 1 1/4" M	46	1	22011
Flexcon M 300 - 3.0 bar	300	3.0	6.0	600	1505	1475	450	G 1 1/4" M	41	1	22002
Flexcon M 300 - 6.0 bar	300	6.0	10.0	600	1505	1475	450	G 1 1/4" M	60	1	22012
Flexcon M 400 - 3.0 bar	400	3.0	6.0	790	1348	1318	610	G 1 1/4" M	55	1	22003
Flexcon M 400 - 6.0 bar	400	6.0	10.0	790	1348	1318	610	G 1 1/4" M	84	1	22013
Flexcon M 500 - 3.0 bar	500	3.0	6.0	790	1498	1468	610	G 1 1/4" M	61	1	22004
Flexcon M 600 - 3.0 bar	600	3.0	6.0	790	1708	1678	610	G 1 1/4" M	68	1	22005



Type	Capacity [l]	Pre-charge [bar]	Max. working pressure [bar]	Dimensions				Syst. conn. (E)	Weight [kg]	###	Order Code
				A [mm]	B [mm]	C [mm]	Ø D [mm]				
Flexcon M 600 - 6.0 bar	600	6.0	10.0	790	1708	1678	610	G 1 1/4" M	106	1	22014
Flexcon M 800 - 3.0 bar	800	3.0	6.0	790	2055	2025	610	G 1 1/4" M	93	1	22006
Flexcon M 800 - 6.0 bar	800	6.0	10.0	790	2055	2025	610	G 1 1/4" M	145	1	22015
Flexcon M 1000 - 3.0 bar	1000	3.0	6.0	790	2404	2374	610	G 1 1/4" M	105	1	22007
Flexcon M 1000 - 6.0 bar	1000	6.0	10.0	790	2404	2374	610	G 1 1/4" M	167	1	22016
Flexcon M 1200 - 4.0 bar	1200	4.0	6.0	1000		1940	850	Rp 1 1/2" *	285	1	22108
Flexcon M 1200 - 6.0 bar	1200	6.0	10.0	1000		1940	850	Rp 1 1/2" *	410	1	22148
Flexcon M 1600 - 4.0 bar	1600	4.0	6.0	1000		2440	850	Rp 1 1/2" *	340	1	22109
Flexcon M 1600 - 6.0 bar	1600	6.0	10.0	1000		2440	850	Rp 1 1/2" *	485	1	22149
Flexcon M 2000 - 4.0 bar	2000	4.0	6.0	1200		2180	1050	Rp 2" *	425	1	22110
Flexcon M 2000 - 6.0 bar	2000	6.0	10.0	1200		2180	1050	Rp 2" *	600	1	22150
Flexcon M 2800 - 4.0 bar	2800	4.0	6.0	1200		2780	1050	Rp 2 1/2" *	510	1	22118
Flexcon M 2800 - 6.0 bar	2800	6.0	10.0	1200		2780	1050	Rp 2 1/2" *	725	1	22158
Flexcon M 3500 - 4.0 bar	3500	4.0	6.0	1200		3580	1050	Rp 2 1/2" *	620	1	22111
Flexcon M 3500 - 6.0 bar	3500	6.0	10.0	1200		3580	1050	Rp 2 1/2" *	900	1	22151
Flexcon M 5200 - 6.0 bar	5200	6.0	10.0	1500		3600	1142	Rp 2 1/2" *	1330	1	22152

Type	Capacity [l]	Pre-charge [bar]	Max. working pressure [bar]	Dimensions				Syst. conn. (E)	Weight [kg]	###	Order Code
				A [mm]	B [mm]	C [mm]	Ø D [mm]				
Flexcon M 6700 - 6.0 bar	6700	6.0	10.0	1500		4480	1142	DN 100 **	1690	1	22153
Flexcon M 8000 - 6.0 bar	8000	6.0	10.0	1500		5090	1142	DN 100 **	2140	1	22154

* Adapter with flange connection PN 16 available (see Flexcon M-K).<>

** Flanges as per EN 1092-1 PN 16.<>



Advantages

- Replaceable bladder.
- Delivered with pressure gauge and height adjustable feet (except 1200 - 2000 litres).
- Equipped with an inspection flange.
- The Flexcon M 1200 - 8000 can be fitted with a Flexvent Super.

Technical information

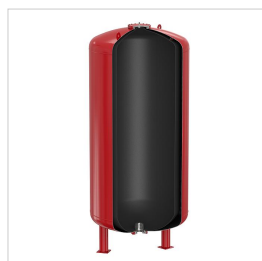
- Maximum working pressure: 6.0 or 10.0 bar (other working pressures available on request).
- Standard pre-charge: 3.0, 4.0 or 6.0 bar (other pre-charge pressures available on request).
- Vessels 100 - 1000 litres: in accordance with EN13831 / 1200 - 8000 litres: in accordance with AD2000.
- Suitable for systems with a max. system temperature of 120 °C.
- Maximum temperature bladder: 70 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Bladder:

Vessels 100 - 1000 liter: EPDM.

Vessels 1200 - 8000 liter: butyl rubber.

- Red (RAL 3002) epoxy powder coating.



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