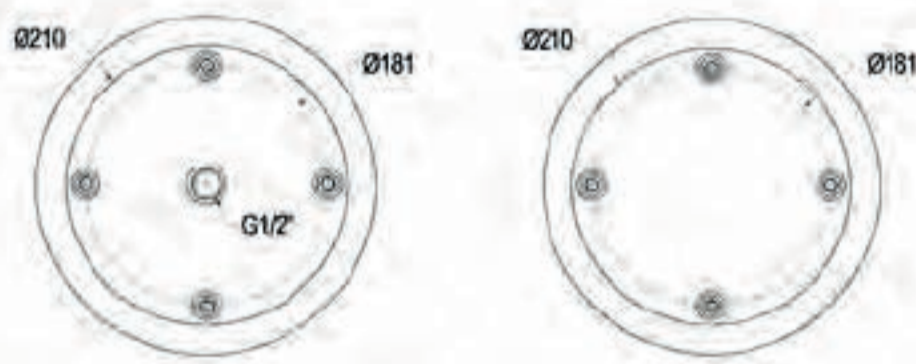
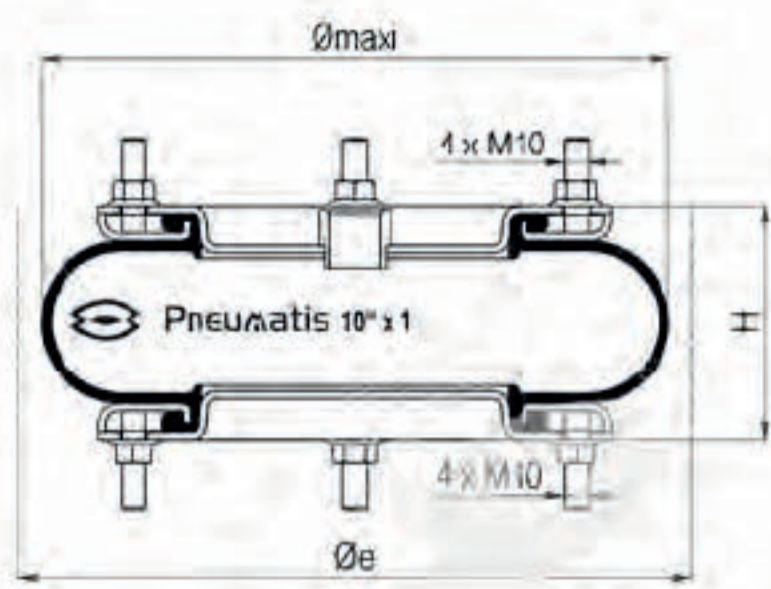


Bellow 10" x 1 steel

DB1017/B

INDUSTRY



Technical characteristics

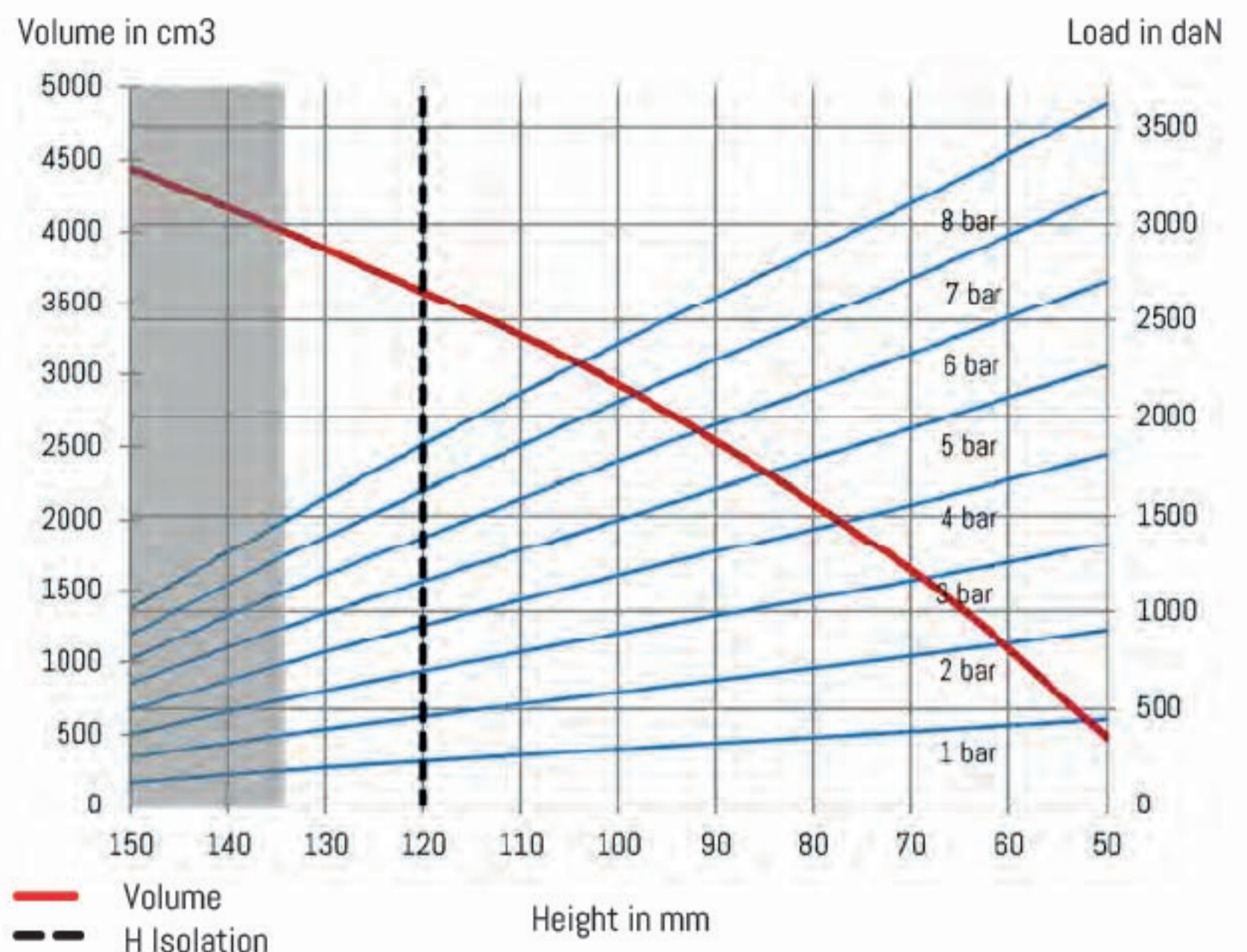
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	15°
Maximum out of alignment	10 mm

Static diameter	254 mm
Maximum diameter	280 mm
Minimum overall diameter	300 mm
Minimum height	50 mm
Static height	100 mm
Maximum height	150 mm
Maximum recommended height	135 mm
Total stroke	100 mm
Effective area at static height	295 cm ²
Stiffness at 4 bar	60,00 daN/mm
Natural frequency at 4 bar	2,60 Hz
Weight of the bellows	3,9 kg

Dynamic characteristics at H = 120mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	505	1045	1580
Volume (dm ³)	3,37	3,53	3,69
Stiffness (daN/mm)	150	271	385
Natural frequency (Hz)	2,71	2,54	2,46
Isolation rate at 10Hz %	92,1%	93,1%	93,5%

* Recommended height for better isolation



Temperatures

Chlorobutyl	-25°C (-35°C static)	+90°C (+100°C static)
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References

DB1017/B	Bellow 1 convolute 10" x 1 Chlorobutyl steel bolted air inlet G ^{1/2} centered
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Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
50	904	1 354	1 811	2 263	2 707	3 170	3 618	479
70	772	1 160	1 554	1 944	2 326	2 719	3 106	1645
100	586	887	1 189	1 480	1 778	2 080	2 378	2930
120	456	689	921	1 150	1 382	1 616	1 848	3636
130	397	595	793	991	1 189	1 393	1 593	3880
135	356	536	714	897	1 077	1 259	1 442	4065
150	252	372	495	634	758	883	1 015	4442

Mounting instructions

Fastening torque M10 x 1,5 : 20 to 28 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 10 daN.