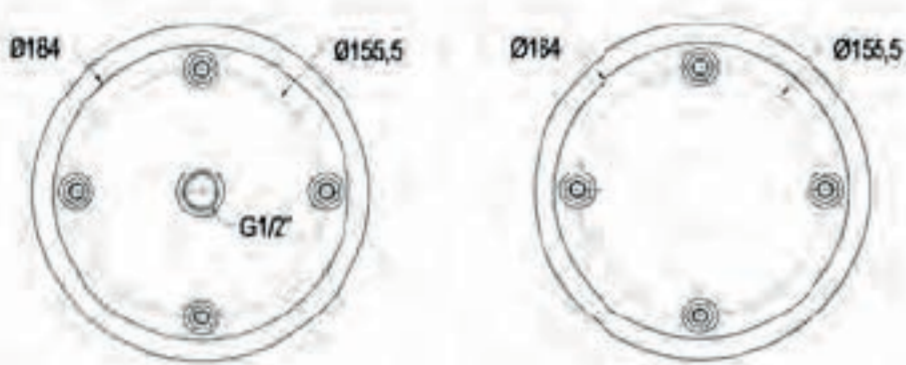
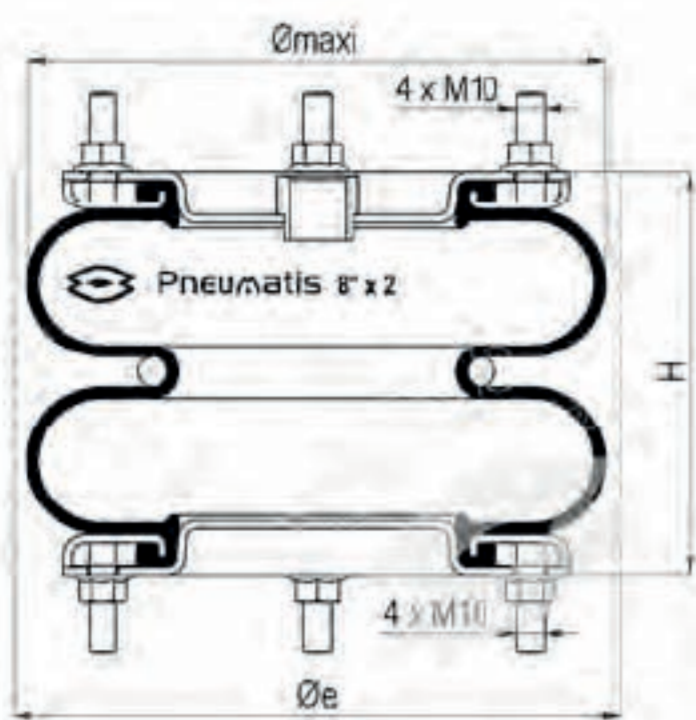


Bellow 8" x 2 steel

DB0828/B

INDUSTRY



Technical characteristics

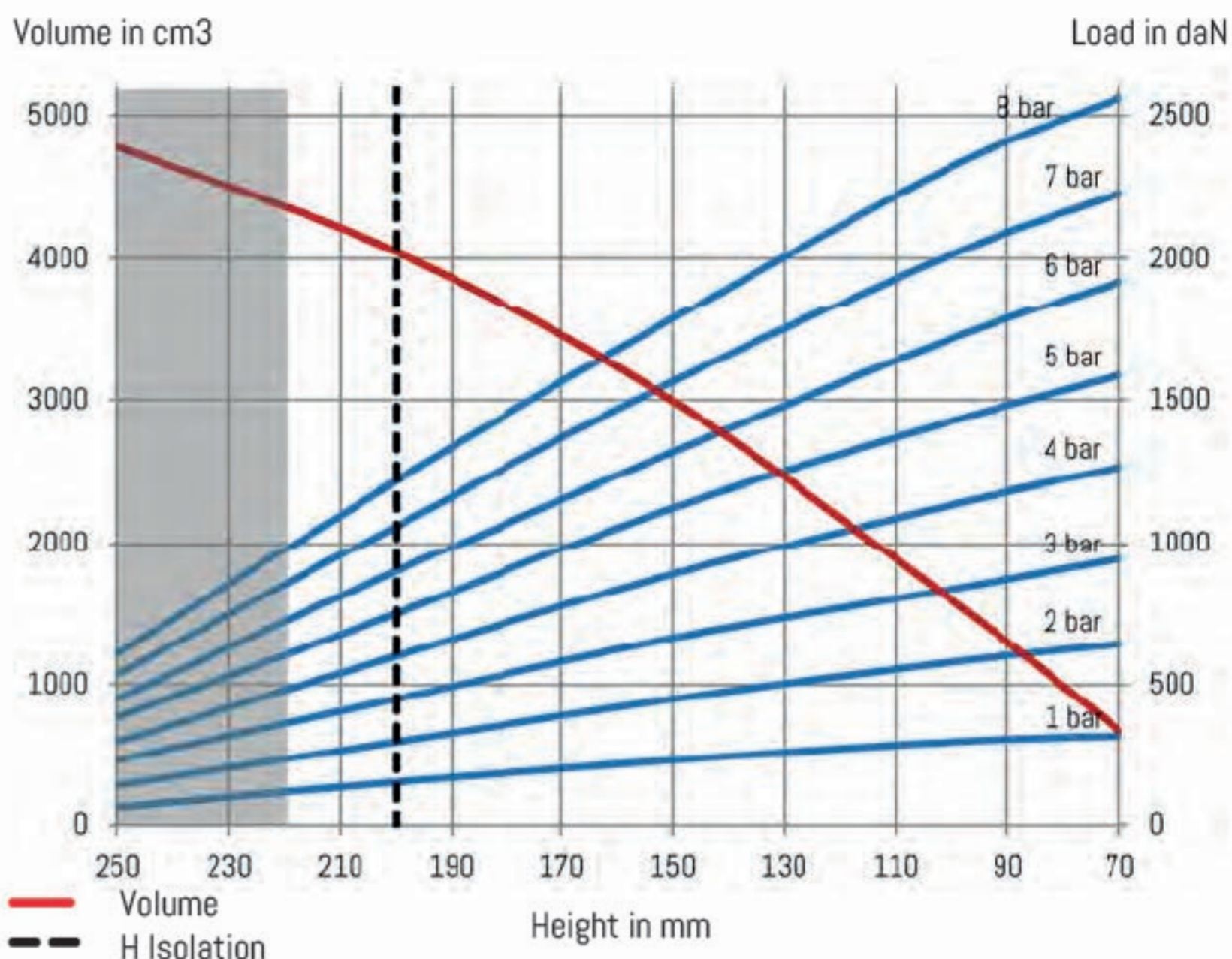
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	203 mm
Maximum diameter	230 mm
Minimum overall diameter (Øe)	245 mm
Minimum height	70 mm
Static height (H)	160 mm
Maximum height	250 mm
Maximum recommended height	220 mm
Total stroke	180 mm
Effective area at static height	220 cm ²
Stiffness at 4 bar	20,00 daN/mm
Natural frequency at 4 bar	2,20 Hz
Weight	3,75kg

Dynamic characteristics at H = 200mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	265	545	840
Volume (dm ³)	3,42	3,54	3,66
Stiffness (daN/mm)	48,8	88,2	128,1
Natural frequency (Hz)	2,15	2,00	1,95
Isolation rate at 10Hz %	95,2%	95,8%	96,1%

* Recommended height for better isolation



Temperatures

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

DB0828/B	Bellow 2 convolutes 8" x 2 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
70	643	943	1 264	1 586	1 918	2 229	2 561	680
100	579	836	1 136	1 425	1 714	2 014	2 321	1598
150	450	664	889	1 125	1 318	1 564	1 786	2995
160	421	619	831	1 048	1 240	1 468	1 683	3221
200	300	450	600	750	900	1 061	1 218	4050
220	245	371	485	618	724	861	984	4375
250	150	236	300	386	450	536	608	4785

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 13 daN.