

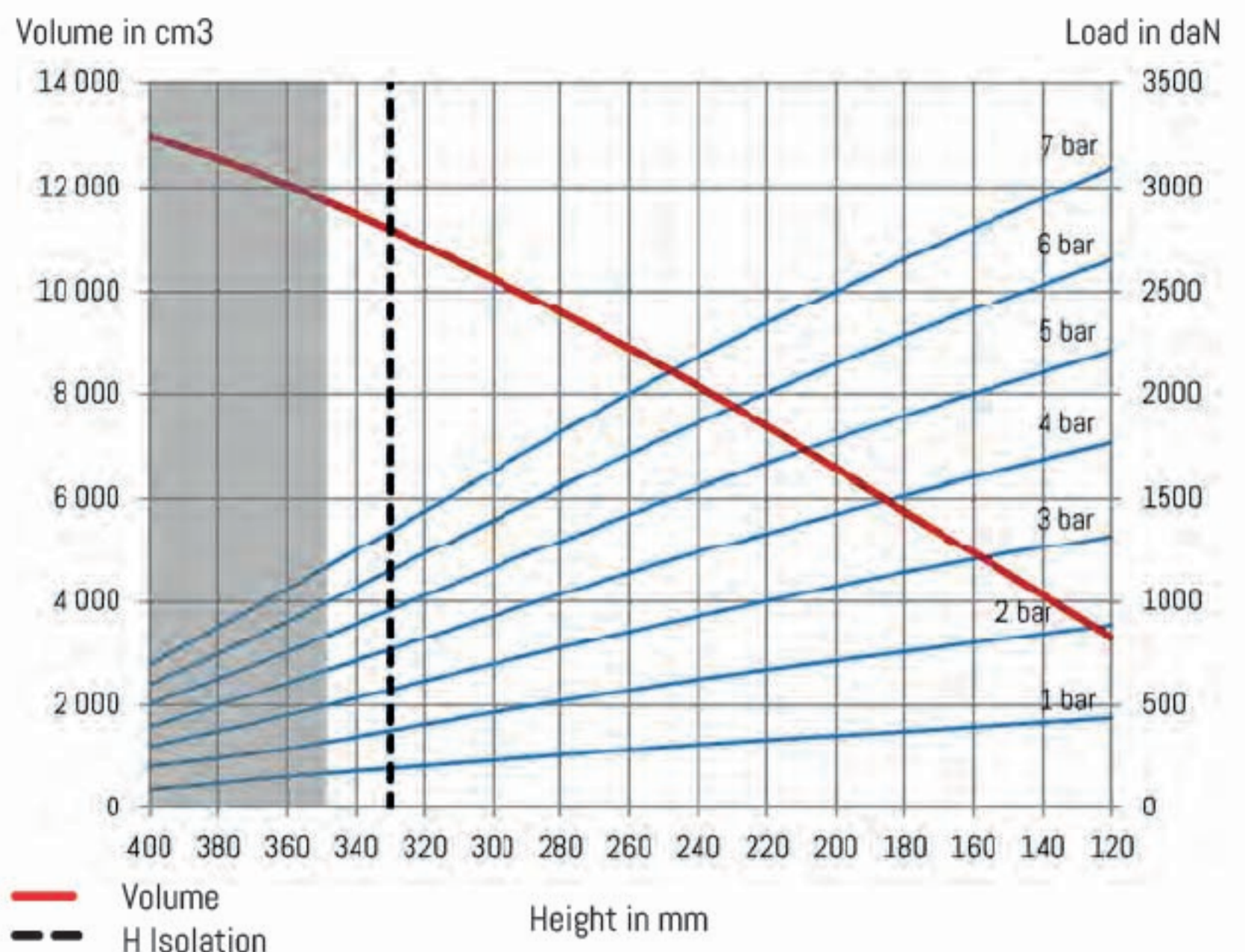
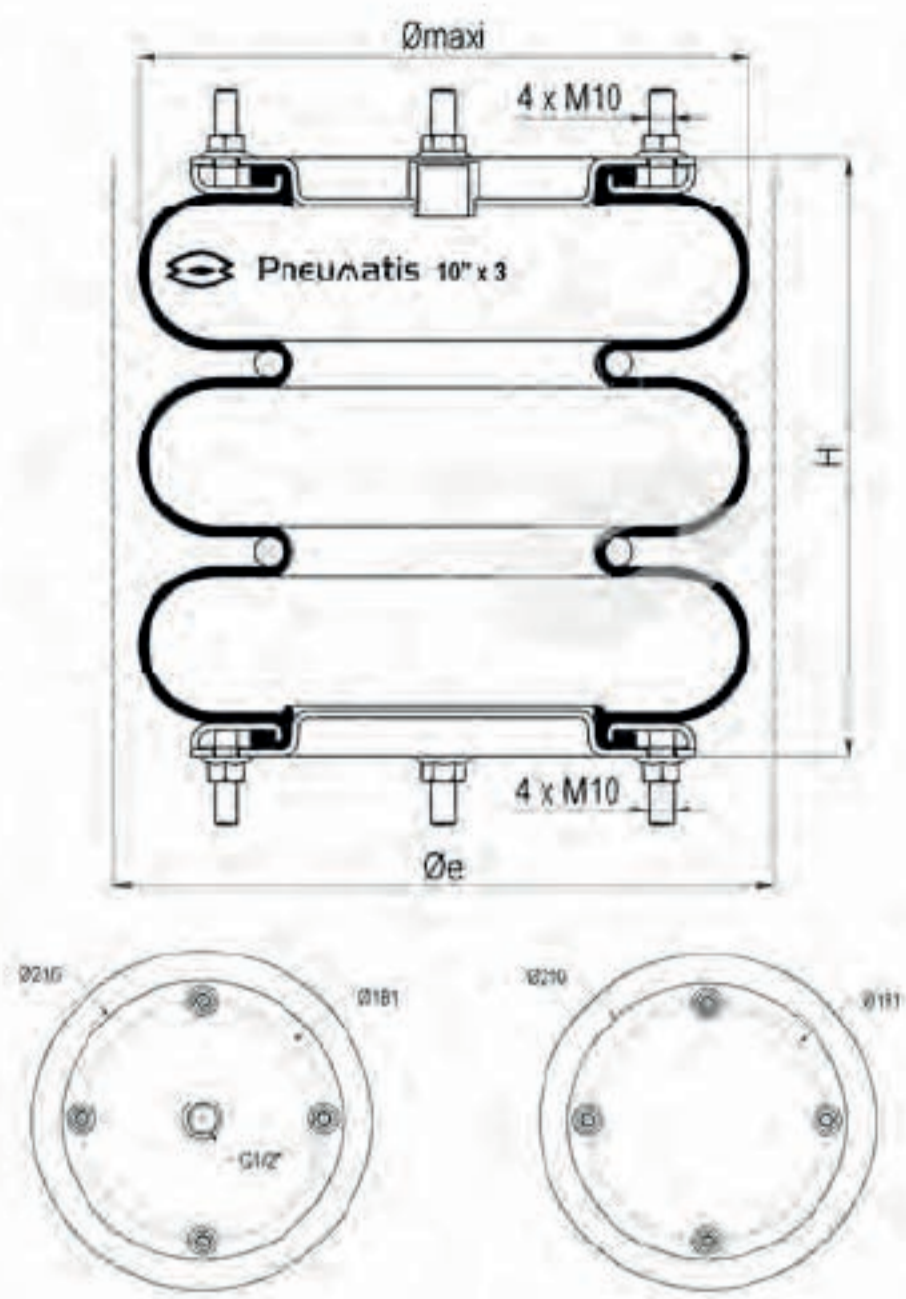
Bellow 10" x 3 reinforced steel

DB1038/B



PNEUMATIS

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 (Øe)	300 mm
Minimum height	120 mm
Static height (H)	250 mm
Maximum height	400 mm
Maximum recommended height	350 mm
Total stroke	280 mm
Effective area at static height	300 cm ²
Stiffness at 4 bar	20,00 daN/mm
Natural frequency at 4 bar	1,75 Hz
Weight	5,8 kg

Dynamic characteristics at H = 330mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	385	810	1235
Volume (dm ³)	9,1	9,2	9,2
Stiffness (daN/mm)	41	74	107
Natural frequency (Hz)	1,63	1,51	1,46
Isolation rate at 10Hz %	97,3%	97,7%	97,8%

* Recommended height for better isolation

Temperatures

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

DB1038/B	Bellow 3 convolutes 10" x 3 4 ply reinforced 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
120	885	1 323	1 768	2 207	2 656	3 094		3 295
180	757	1 141	1 516	1 895	2 280	2 656		5 760
240	623	928	1 239	1 550	1 862	2 177		8 150
250	592	890	1 183	1 478	1 782	2 077	Contact us	8 523
300	465	698	929	1 163	1 397	1 630		10 251
330	388	585	772	968	1 170	1 358		11 147
350	335	505	664	834	1 008	1 168		11 730
360	291	451	605	755	901	1 058		12 060
400	204	301	394	503	597	693		12 998

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 76 daN.