

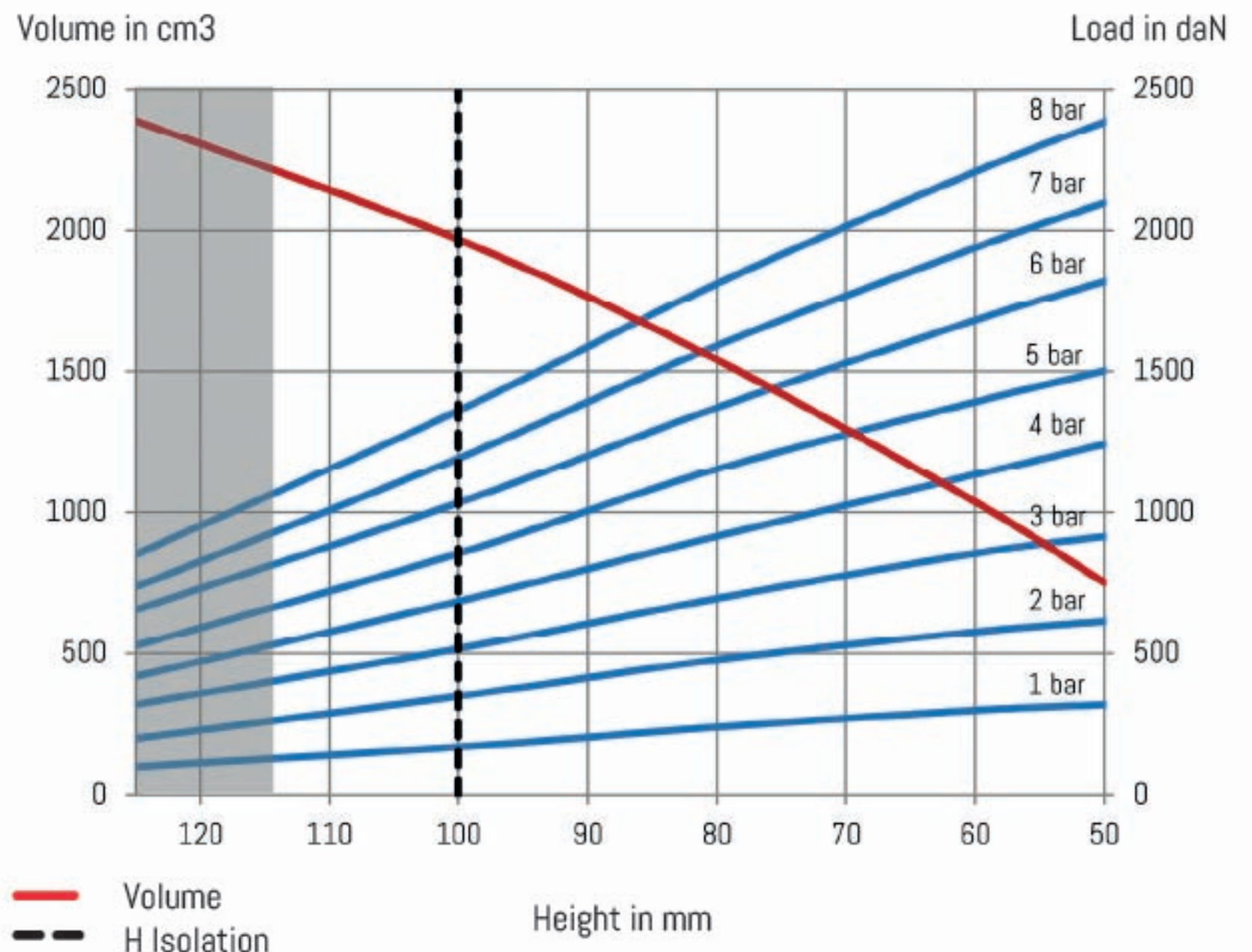
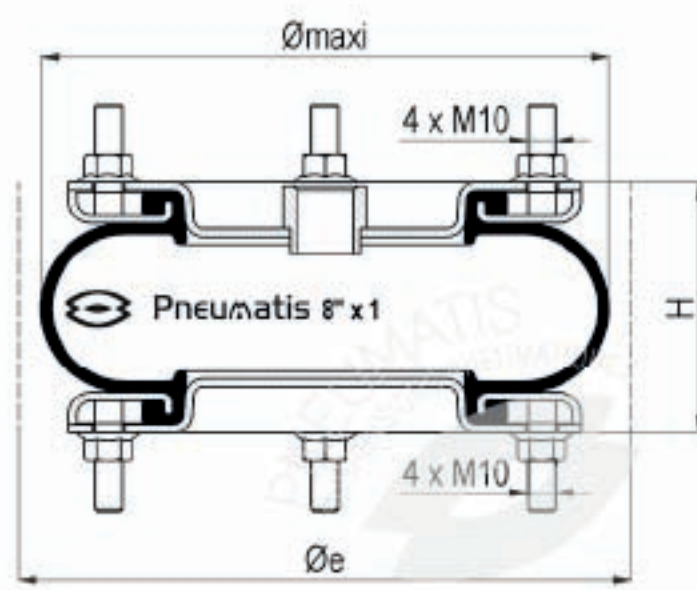
Bellow 8" x 1 Stainless steel

DB0819



PNEUMATIS

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	50 mm
Static height (H)	90 mm
Maximum height	125 mm
Maximum recommended height	115 mm
Total stroke	75 mm
Effective area at static height	208 cm ²
Stiffness at 4 bar	56,00 daN/mm
Natural frequency at 4 bar	3,00 Hz
Weight	3,05 kg

Dynamic characteristics at H = 100mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	355	725	1105
Volume (dm ³)	1,83	1,90	1,96
Stiffness (daN/mm)	134,0	237,9	342,1
Natural frequency (Hz)	3,05	2,86	2,77
Isolation rate at 10Hz %	89,7%	91,1%	91,7%

* Recommended height for better isolation

Temperatures

Standard	-40°C (-50°C static)	+70°C (+90°C static)
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References

DB0819	Bellow 1 convolute 8" x 1 Stainless steel bolted air inlet G1/2 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	615	915	1 243	1 502	1 820	2 098	2 386	752
60	577	855	1 134	1 392	1 681	1 939	2 207	1037
80	477	696	915	1 154	1 372	1 591	1 812	1541
90	415	610	801	1 008	1 206	1 396	1 591	1764
100	348	517	686	855	1 034	1 193	1 362	1968
115	263	400	526	665	811	925	1 062	2236
125	199	318	418	527	656	736	851	2390

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 12 daN.