

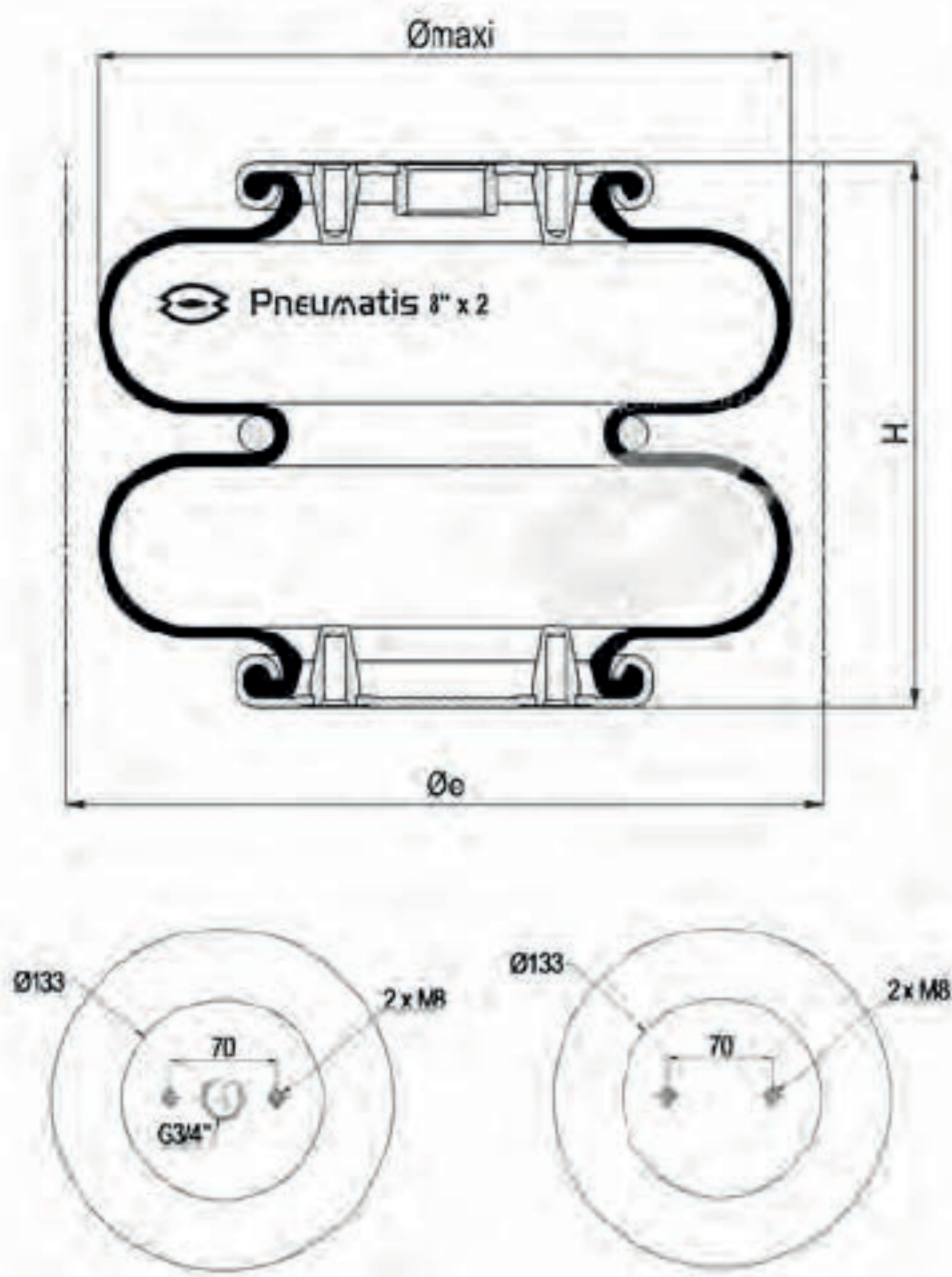
Crimped bellow 8" x 2

DBS082002



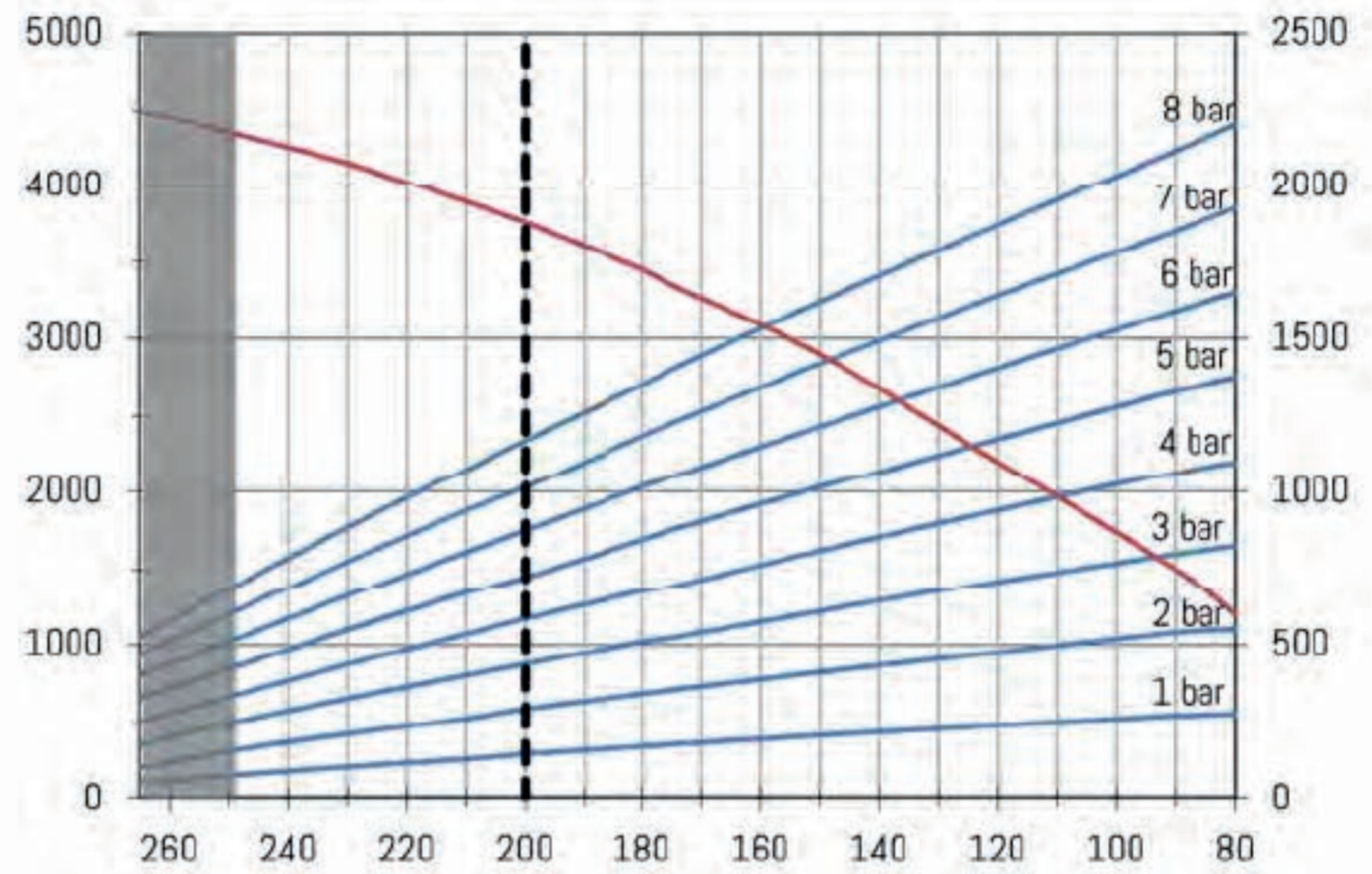
PNEUMATIS

INDUSTRY



Volume in cm³

Load in daN



— Volume
- - H Isolation

Temperatures

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

Maximum pressure	8 bar
Burst pressure	32 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	220 mm
Maximum diameter	220 mm
Minimum overall diameter (Øe)	240 mm
Minimum height	80 mm
Static height (H)	175 mm
Maximum height	265 mm
Maximum recommended height	250 mm
Total stroke	185 mm
Effective area at static height	174 cm ²
Stiffness at 4 bar	10,81 daN/mm
Natural frequency at 4 bar	1,96 Hz
Weight	2,30 kg

Dynamic characteristics at H = 200 mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	290	580	875
Volume (dm ³)	3,65	3,70	3,76
Stiffness (daN/mm)	4,9	8,73	12,51
Natural frequency (Hz)	2,06	1,93	1,89
Isolation rate at 10Hz %	95,6	96,1	96,3

* Recommended height for better isolation

References

DBS082002	Crimped bellow 2 convolutes 8" x 2 air inlet G ^{3/4} 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 6 bar
80 mm	550	825	1100	1375	1650	1925	2200	1210 cm ³
90 mm	540	800	1065	1330	1590	1850	2115	1480 cm ³
120 mm	475	710	940	1175	1405	1640	1870	2230 cm ³
150 mm	410	610	810	1015	1215	1420	1620	2885 cm ³
175 mm	352	523	693	877	1050	1225	1400	3350 cm ³
180 mm	340	510	675	845	1015	1185	1350	3440 cm ³
200 mm	291	436	585	723	875	1014	1170	3755 cm ³
210 mm	260	400	535	670	805	940	1075	3900 cm ³
230 mm	210	325	435	550	660	775	885	4150 cm ³
250 mm	155	245	330	420	510	600	685	4360 cm ³
265 mm	100	175	250	325	400	465	525	4495 cm ³

Mounting instructions

Fastening torque M8 x 1,25 : 25 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 11 daN.