

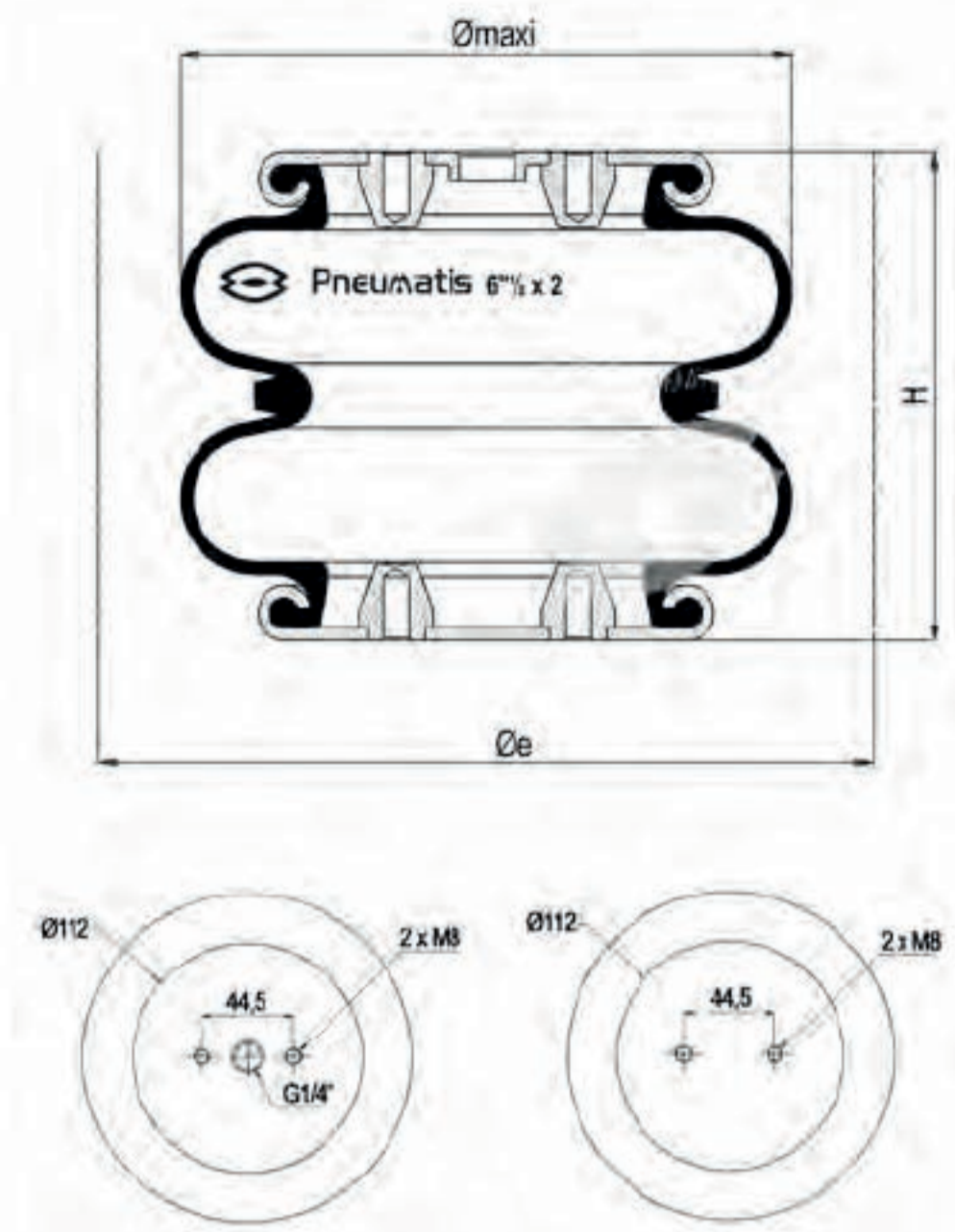
Crimped bellow 6" 1/2 x 2

DBS0652001



PNEUMATIS

INDUSTRY



Technical characteristics

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

Static diameter	150 mm
Maximum diameter	160 mm
Minimum overall diameter (Øe)	190 mm
Minimum height	80 mm
Static height (H)	120 mm
Maximum height	160 mm
Maximum recommended height	145 mm
Total stroke	80 mm
Effective area at static height	108 cm ²
Stiffness at 4 bar	12,27 daN/mm
Natural frequency at 4 bar	2,66 Hz
Weight	1,5 kg

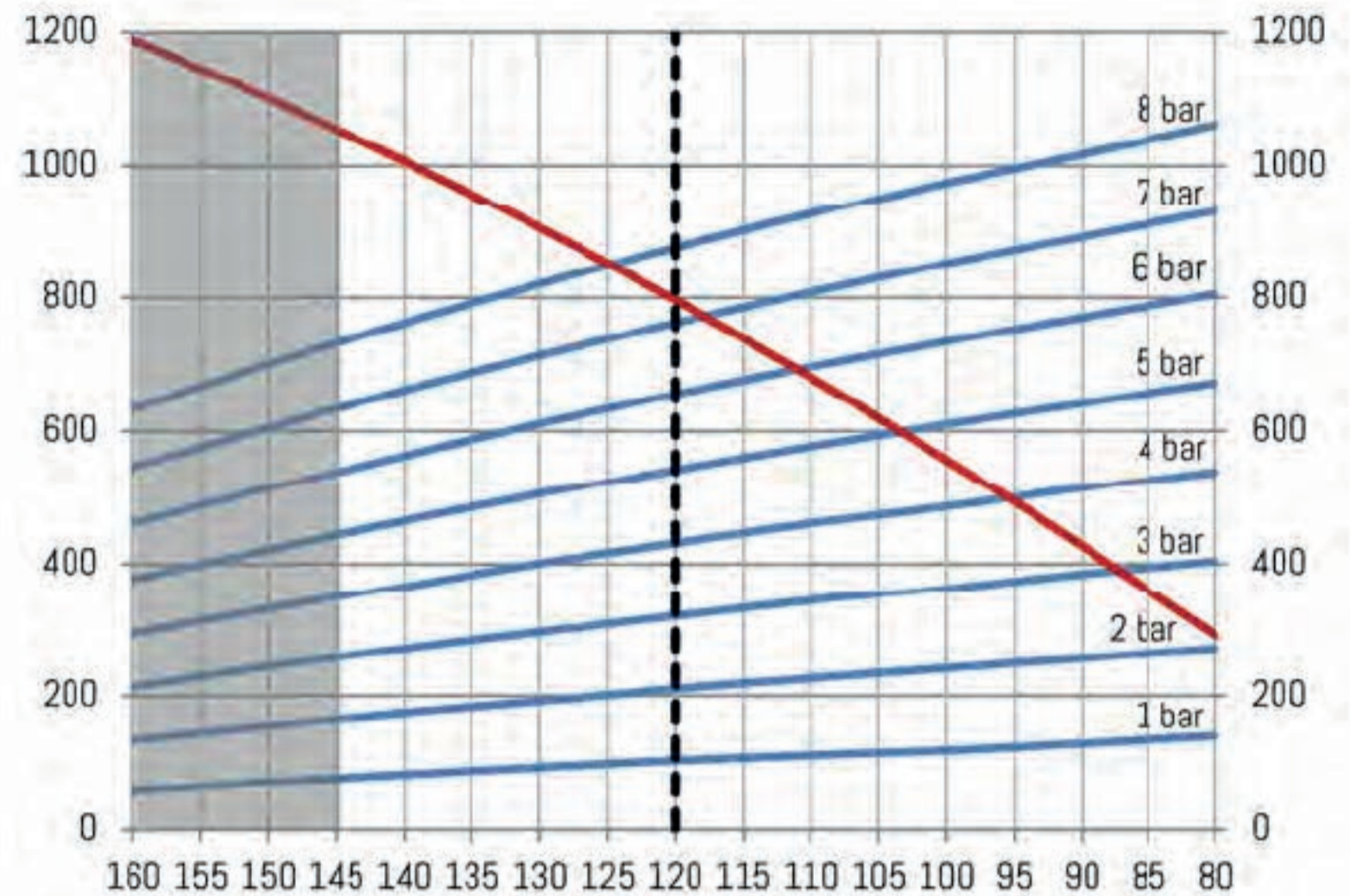
Dynamic characteristics at H = 120mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	210	431	655
Volume (dm ³)	8,0	8,0	8,0
Stiffness (daN/mm)	5,98	12,27	18
Natural frequency (Hz)	2,72	2,66	2,64
Isolation rate at 10Hz %	92	92,4	92,5

* Recommended height for better isolation

Volume in cm³

Load in daN



— Volume
- - - H Isolation

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

DBS0652001 Crimped bellow 2 convolutes 6"1/2x2 air inlet G 1/4 centered

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
80 mm	271	404	539	672	805	930	1062	290 cm ³
90 mm	256	385	513	641	770	891	1017	427 cm ³
100 mm	241	363	485	610	734	851	974	557 cm ³
110 mm	226	343	460	577	696	808	926	680 cm ³
120 mm	210	320	431	542	655	762	875	796 cm ³
130 mm	192	296	401	504	611	713	820	905 cm ³
140 mm	175	271	366	464	563	661	762	1007 cm ³
145 mm	164	258	349	442	538	633	731	1054 cm ³
150 mm	154	244	331	421	513	605	700	1101 cm ³
160 mm	133	213	294	377	460	546	633	1189 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 8 daN.