

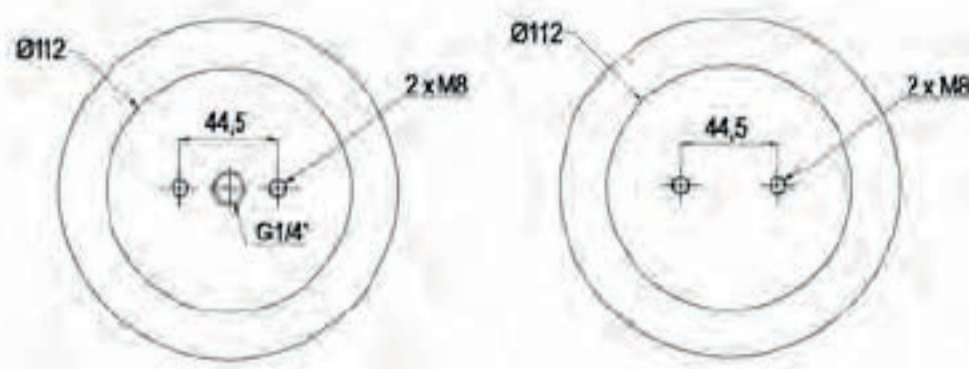
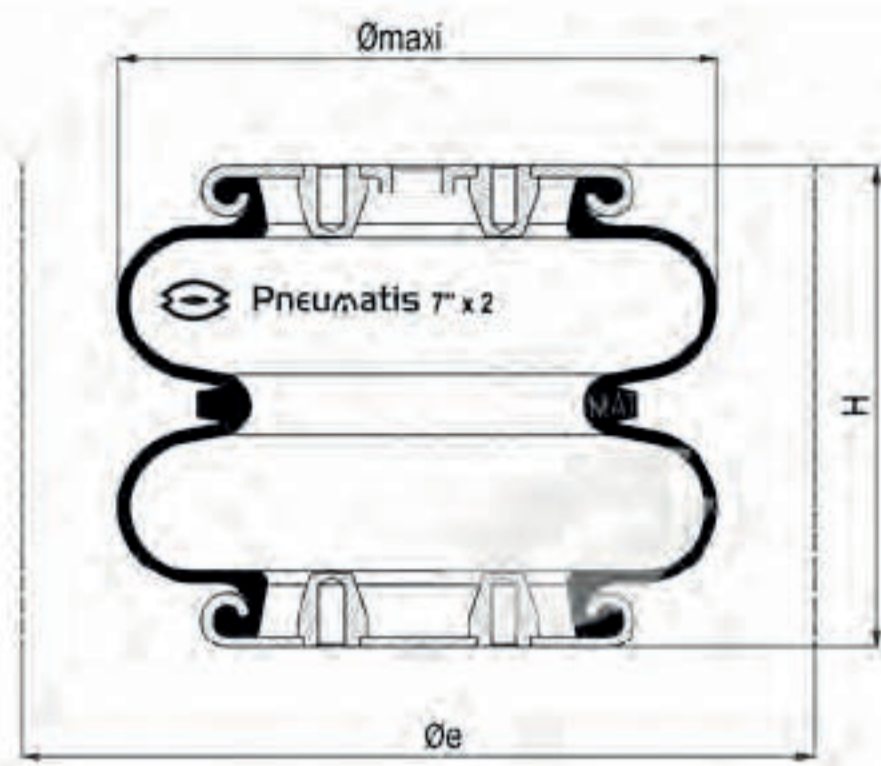
Crimped bellow 7" x 2

DBS072002



PNEUMATIS

INDUSTRY



Technical characteristics

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

Static diameter	155 mm
Maximum diameter	160 mm
Minimum overall diameter (Øe)	205 mm
Minimum height	80 mm
Static height (H)	125 mm
Maximum height	185 mm
Maximum recommended height	170 mm
Total stroke	105 mm
Effective area at static height	114 cm ²
Stiffness at 4 bar	9,24 daN/mm
Natural frequency at 4 bar	2,24 Hz
Weight	1,6 kg

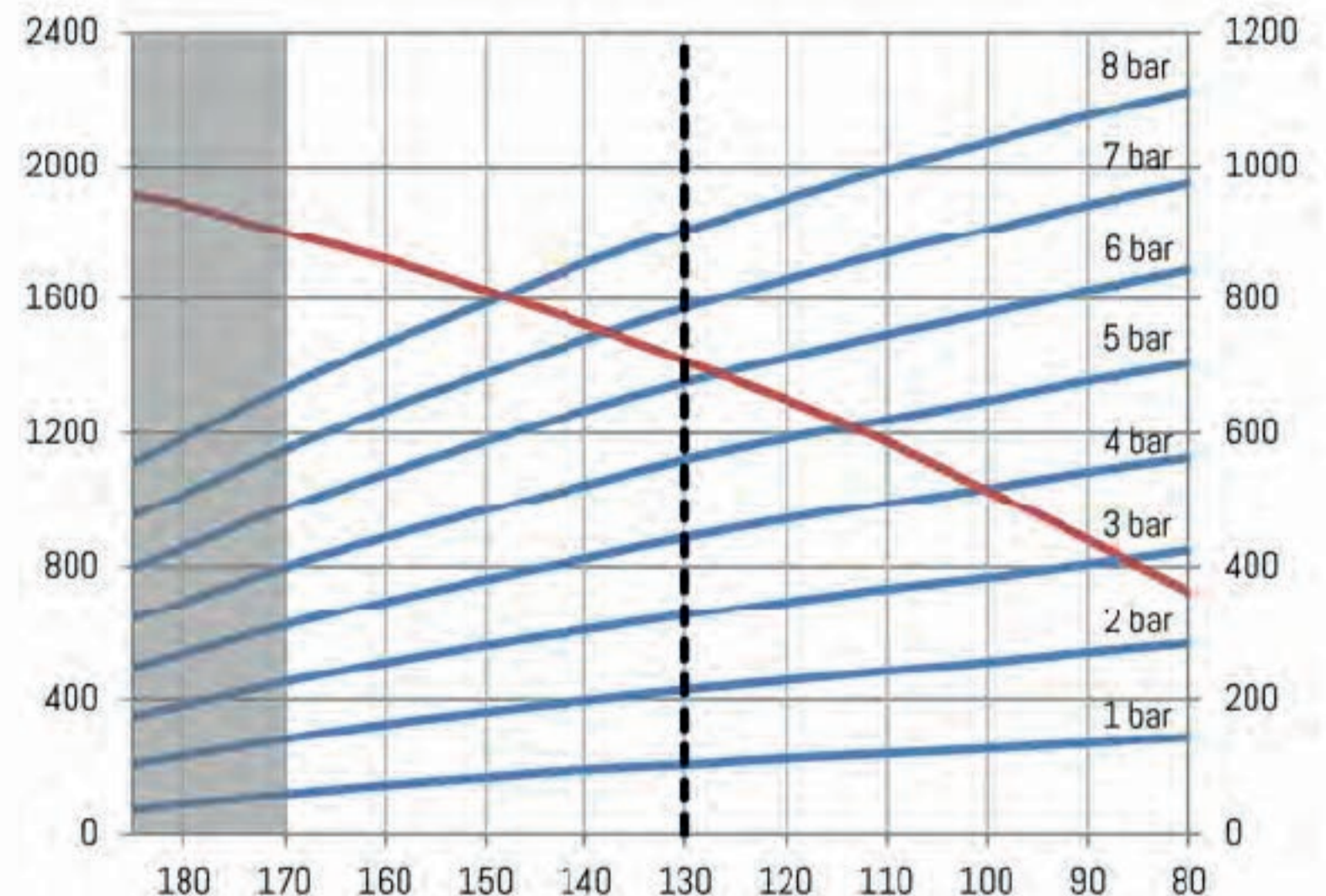
Dynamic characteristics at H = 130mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	215	444	676
Volume (dm ³)	14,2	14,2	14,2
Stiffness (daN/mm)	5,80	11,06	16,41
Natural frequency (Hz)	2,53	2,47	2,43
Isolation rate at 10Hz %	93,2	93,5	93,7

* Recommended height for better isolation

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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References

DBS072002 Crimped bellow 2 convolutes 7" x 2 air inlet G ¼ 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	285	424	564	704	844	975	1112	725 cm ³
90 mm	271	404	543	678	812	942	1076	880 cm ³
100 mm	256	385	518	648	779	905	1036	1030 cm ³
110 mm	243	368	495	620	747	869	996	1175 cm ³
120 mm	229	348	471	592	712	829	951	1300 cm ³
125 mm	222	337	457	576	694	808	927	1357 cm ³
130 mm	215	327	444	561	676	787	904	1415 cm ³
140 mm	199	305	413	523	634	740	854	1525 cm ³
150 mm	182	281	382	484	588	688	794	1625 cm ³
160 mm	163	255	348	444	540	635	734	1720 cm ³
170 mm	142	227	312	400	488	576	667	1800 cm ³
180 mm	117	192	269	348	428	510	594	1885 cm ³
185 mm	104	175	248	322	398	476	556	1915 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 10 daN.

