

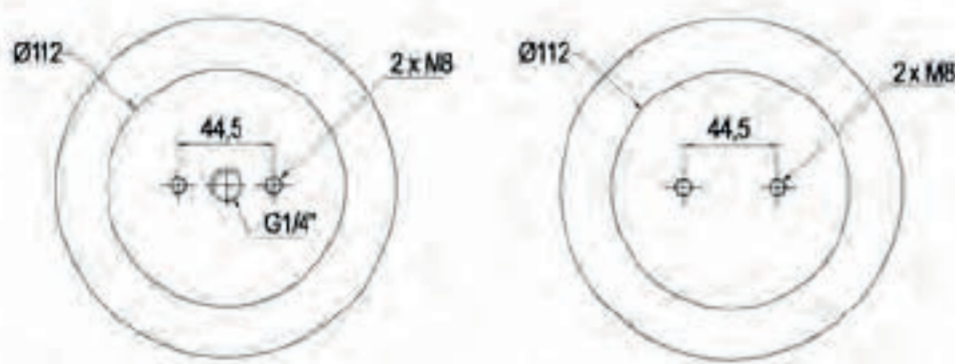
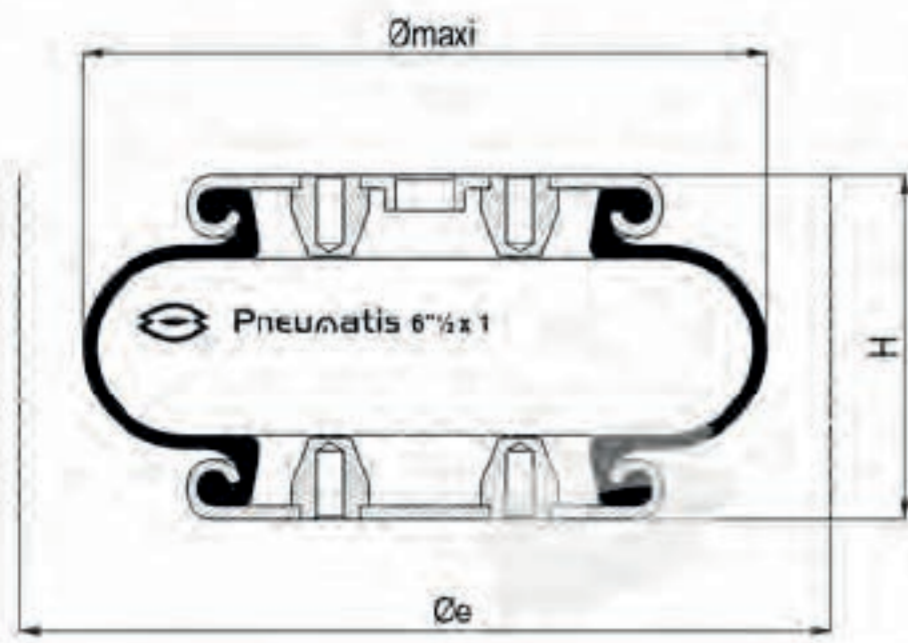
Crimped bellow 6" 1/2 x 1

DBS0651001



PNEUMATIS

INDUSTRY



Technical characteristics

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

Static diameter	150 mm
Maximum diameter	160 mm
Minimum overall diameter (Øe)	190 mm
Minimum height	50 mm
Static height (H)	75 mm
Maximum height	95 mm
Maximum recommended height	85 mm
Total stroke	45 mm
Effective area at static height	101 cm ²
Stiffness at 4 bar	16,58 daN/mm
Natural frequency at 4 bar	3,20 Hz
Weight	1,3 kg

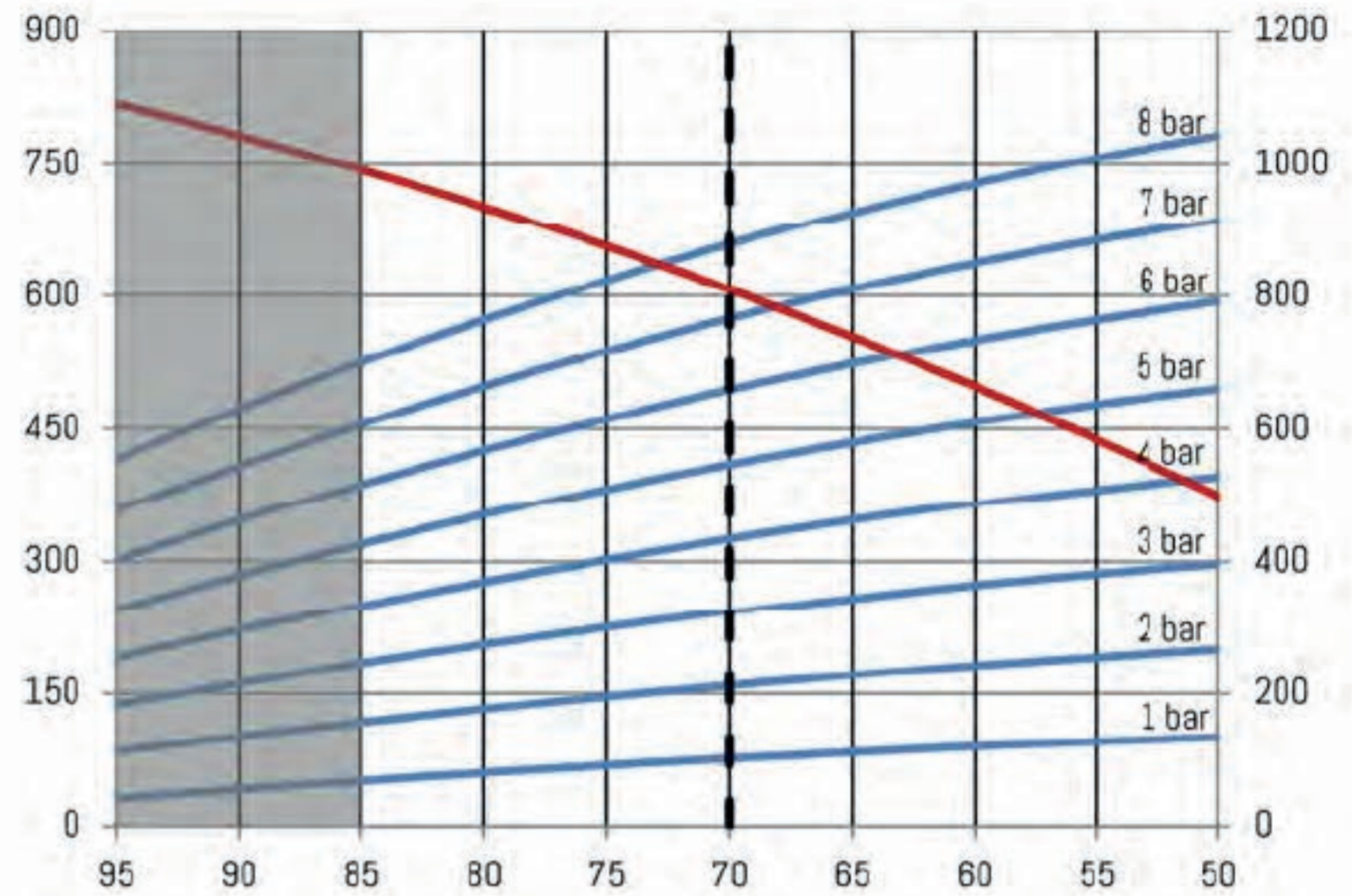
Dynamic characteristics at H = 70mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	212	434	659
Volume (dm ³)	0,61	0,61	0,61
Stiffness (daN/mm)	13,38	26,84	41,5
Natural frequency (Hz)	4,12	4,1	4,04
Isolation rate at 10Hz %	79,6	79,8	80,5

* 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

DBS0651001 Crimped bellow 1 convolute 6"1/2x1 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
50 mm	267	397	529	660	792	914	1043	375 cm ³
55 mm	255	382	509	637	764	884	1010	438 cm ³
60 mm	242	365	487	610	733	849	971	498 cm ³
65 mm	228	345	462	580	698	810	927	554 cm ³
70 mm	212	324	434	547	659	766	878	607 cm ³
75 mm	195	300	403	510	615	717	823	656 cm ³
80 mm	177	274	370	470	568	664	764	702 cm ³
85 mm	157	246	334	426	517	607	700	744 cm ³
90 mm	136	215	296	379	462	544	630	782 cm ³
95 mm	113	183	255	328	403	478	555	818 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.

