

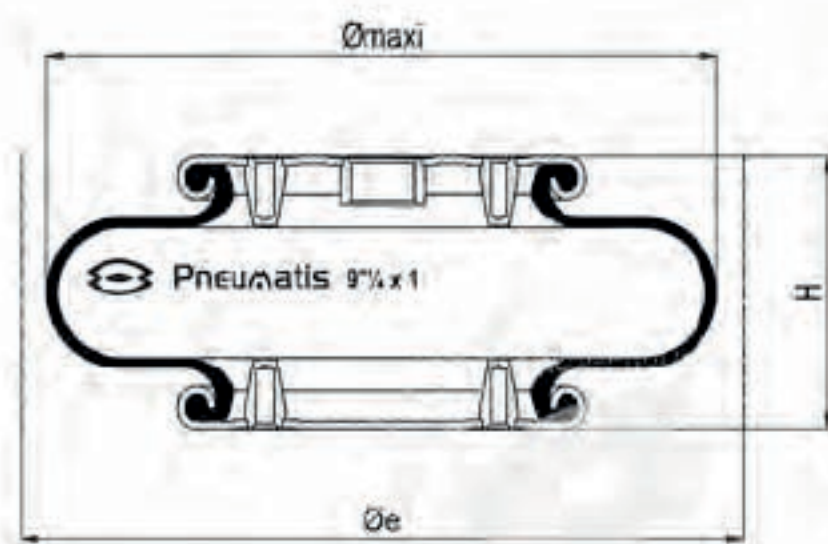
Crimped bellow 9" 1/4 x 1

DBS091002



PNEUMATIS

INDUSTRY



Technical characteristics

Maximum pressure	8 bar
Burst pressure	30 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	255 mm
Maximum diameter	255 mm
Minimum overall diameter (Øe)	275 mm
Minimum height	55 mm
Static height (H)	105 mm
Maximum height	160 mm
Maximum recommended height	150 mm
Total stroke	105 mm
Effective area at static height	263 cm ²
Stiffness at 4 bar	20,56 daN/mm
Natural frequency at 4 bar	2,21 Hz
Weight	2,30 kg

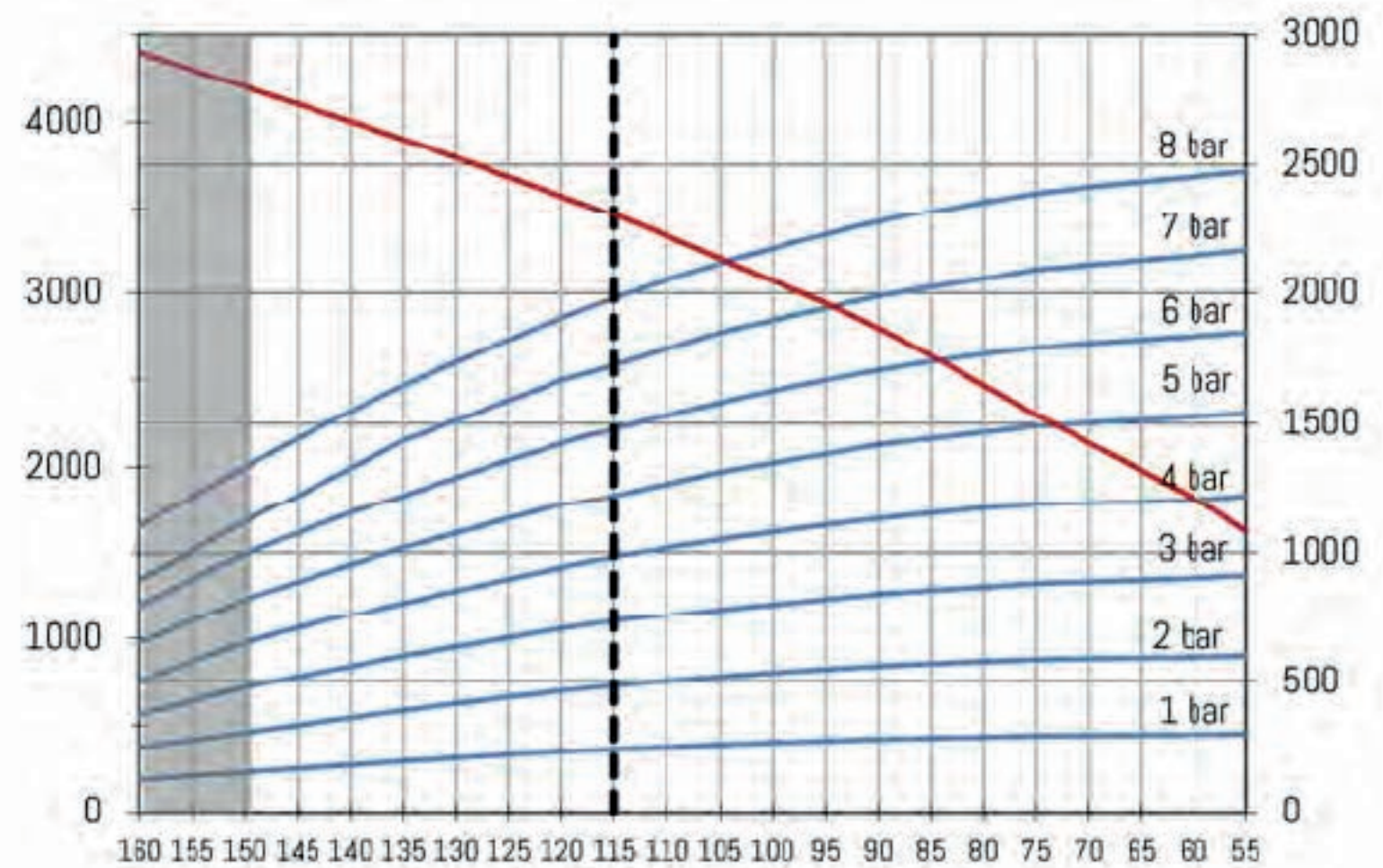
Dynamic characteristics at H = 115 mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	485	985	1480
Volume (dm ³)	3,16	3,30	3,43
Stiffness (daN/mm)	11,57	20,07	28,14
Natural frequency (Hz)	2,44	2,25	2,17
Isolation rate at 10Hz %	93,7	94,7	95,0

* 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

DBS091002	Crimped bellow 1 convolute 9" 1/4 x 1 air inlet G 3/4 shifted
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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
55 mm	600	915	1225	1540	1850	2165	2475	1620 cm ³
60 mm	590	900	1210	1525	1835	2145	2455	1820 cm ³
75 mm	585	885	1185	1490	1790	2090	2390	2300 cm ³
90 mm	560	845	1130	1420	1705	1990	2275	2800 cm ³
105 mm	520	785	1050	1315	1580	1850	2115	3200 cm ³
115 mm	485	735	985	1225	1480	1725	1980	3455 cm ³
120 mm	465	705	945	1185	1425	1665	1905	3570 cm ³
135 mm	390	600	810	1020	1225	1435	1645	3900 cm ³
150 mm	305	480	650	825	995	1165	1335	4200 cm ³
160 mm	250	375	500	650	800	950	1100	4400 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 15 daN.