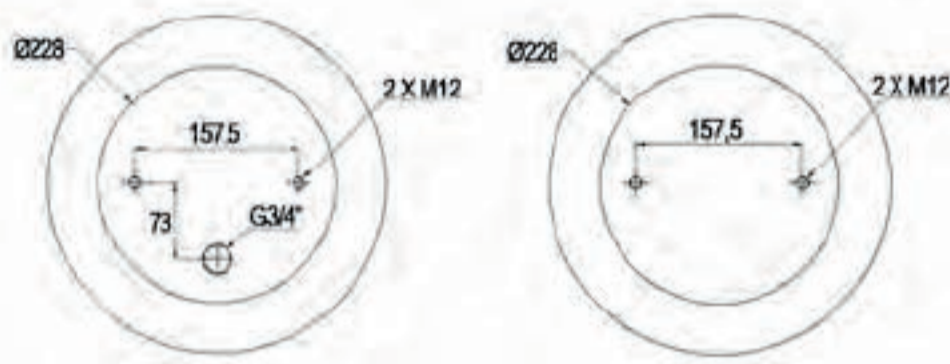
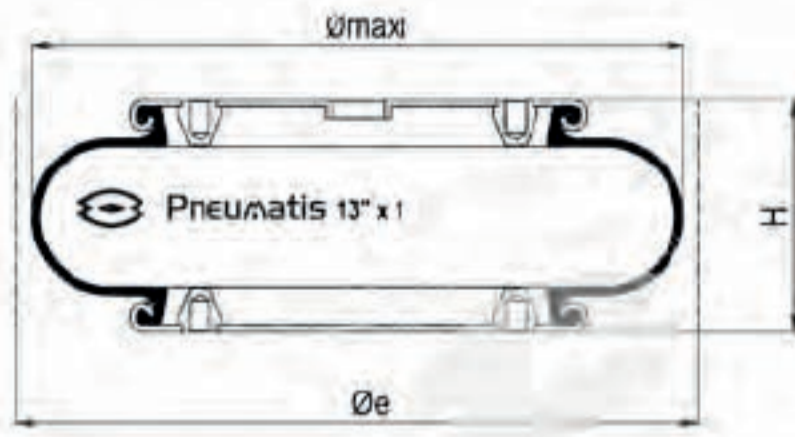


Crimped bellow 13" x 1

DBS131001

INDUSTRY



Technical characteristics

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

Static diameter	300 mm
Maximum diameter	325 mm
Minimum overall diameter (Øe)	340 mm
Minimum height	60 mm
Static height (H)	115 mm
Maximum height	170 mm
Maximum recommended height	150 mm
Total stroke	110 mm
Effective area at static height	457 cm ²
Stiffness at 4 bar	34,44 daN/mm
Natural frequency at 4 bar	2,09 Hz
Weight	3,9 kg

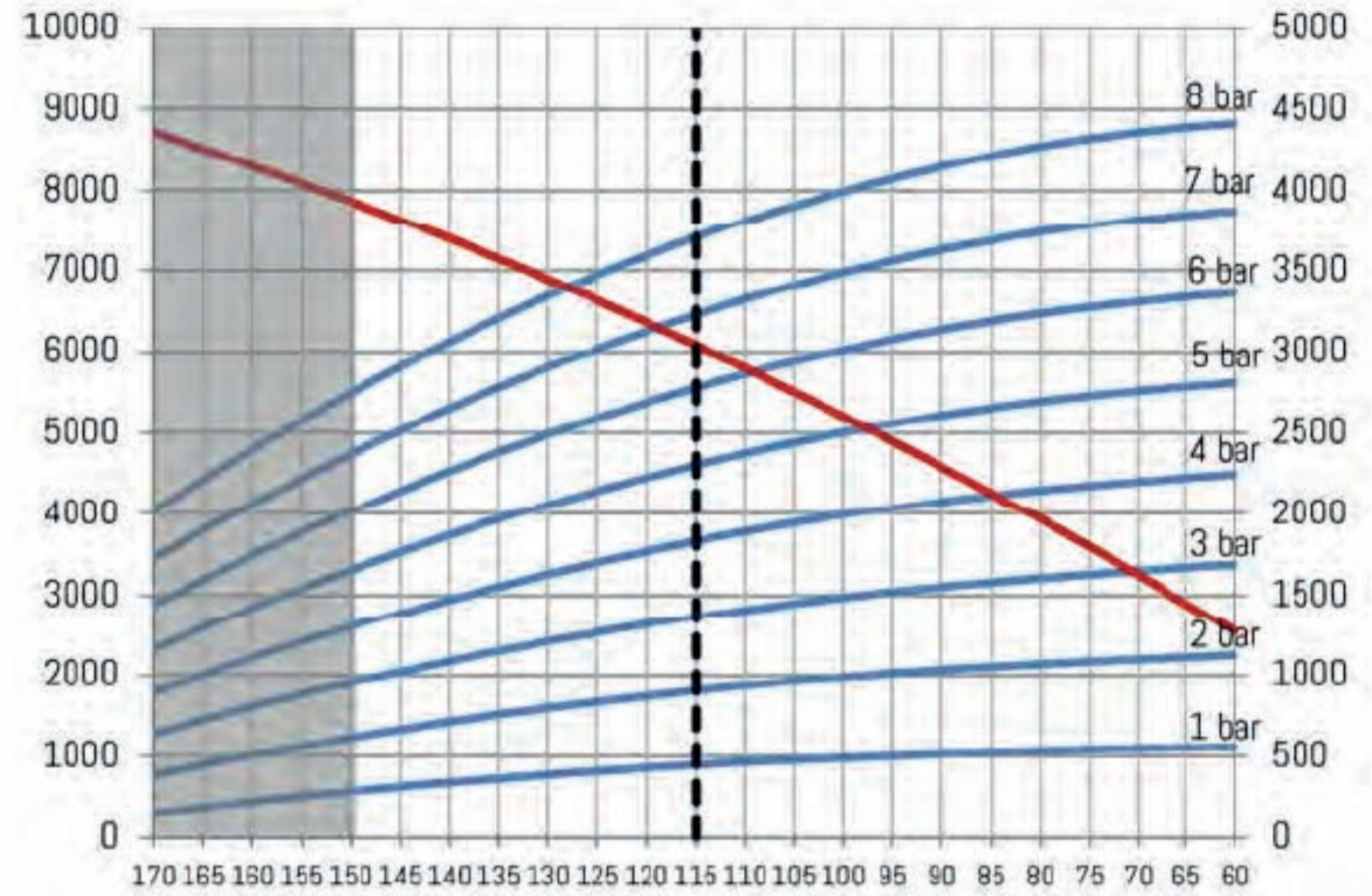
Dynamic characteristics at H = 115mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	903	1827	2776
Volume (dm ³)	60,8	60,8	60,8
Stiffness (daN/mm)	17,89	34,44	51,36
Natural frequency (Hz)	2,13	2,09	2,05
Isolation rate at 10Hz %	95,2	95,4	95,6

* Recommended height for better isolation

Volume in cm³

Load in daN



— Volume
- - - H Isolation

Height in mm

Temperatures

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

DBS131001 Crimped bellow 1 convolute 13" x 1 air inlet G^{3/4} shifted

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
60 mm	1125	1689	2248	2811	3362	3877	4416	2538 cm ³
70 mm	1098	1650	2203	2758	3307	3819	4360	3250 cm ³
80 mm	1069	1604	2150	2694	3234	3737	4274	3933 cm ³
90 mm	1035	1553	2080	2609	3135	3627	4150	4585 cm ³
100 mm	991	1488	1992	2503	3011	3488	3995	5207 cm ³
110 mm	936	1409	1888	2375	2863	3321	3811	5799 cm ³
115 mm	905	1362	1827	2301	2776	3223	3701	6080 cm ³
120 mm	870	1316	1767	2227	2689	3126	3592	6361 cm ³
130 mm	798	1208	1628	2058	2490	2903	3343	6893 cm ³
140 mm	713	1088	1473	1867	2267	2652	3062	7394 cm ³
150 mm	616	954	1301	1655	2018	2372	2747	7866 cm ³
160 mm	509	807	1111	1423	1745	2064	2400	8308 cm ³
170 mm	388	639	895	1164	1444	1728	2027	8719 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.

