

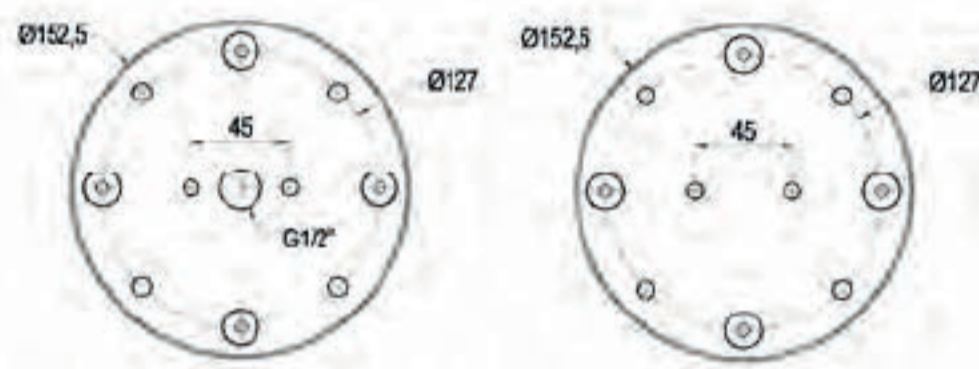
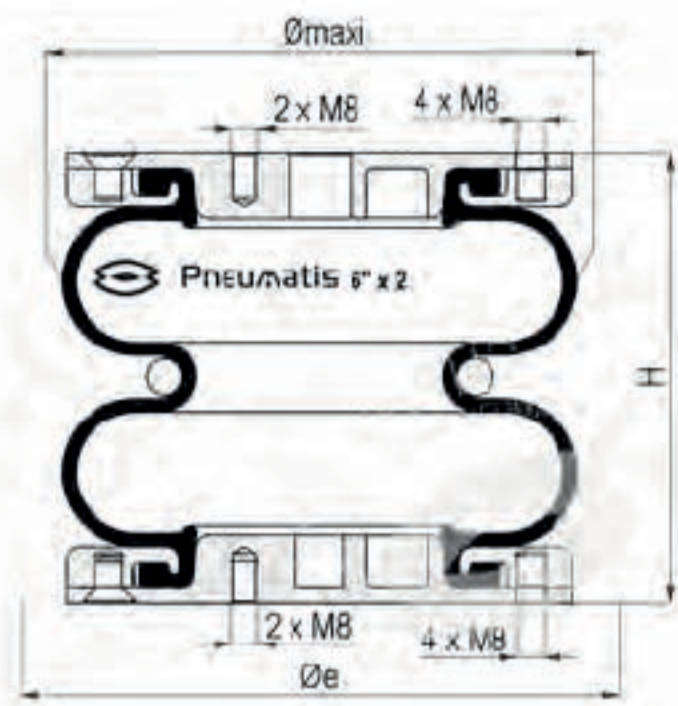
Bellow 6" x 2 alu

DB0629/B



PNEUMATIS

INDUSTRY



Technical characteristics

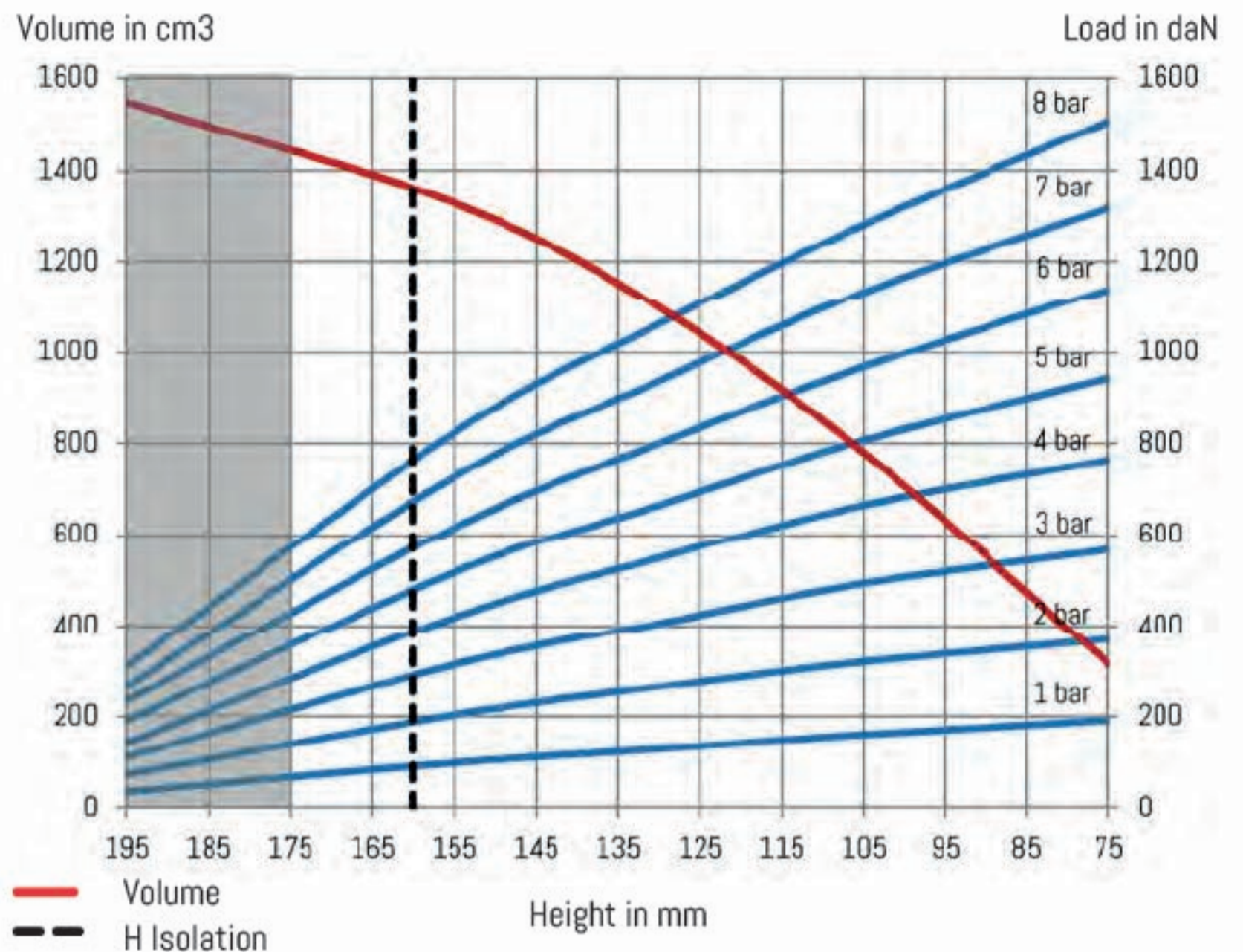
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	152 mm
Maximum diameter	175 mm
Minimum overall diameter (Øe)	190 mm
Minimum height	75 mm
Static height (H)	130 mm
Maximum height	195 mm
Maximum recommended height	175 mm
Total stroke	120 mm
Effective area at static height	125 cm ²
Stiffness at 4 bar	24,00 daN/mm
Natural frequency at 4 bar	2,80 Hz
Weight	2,7 kg

Dynamic characteristics at H = 160mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	175	365	560
Volume (dm ³)	1,55	1,61	1,66
Stiffness (daN/mm)	44,1	79,4	114,0
Natural frequency (Hz)	2,51	2,33	2,25
Isolation rate at 10Hz %	93,3%	94,3%	94,7%

* Recommended height for better isolation



Temperatures

Chlorobutyl	-25°C (-35°C static)	+90°C (+100°C static)
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References

DB0629/B Bellow 2 convolutes 6" x 2 Chlorobutyl aluminium screwed air inlet G^{1/2}centered

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
75	369	566	764	942	1 139	1 318	1 507	317
105	320	493	665	807	967	1 133	1 282	780
130	265	406	548	665	800	936	1 062	1098
155	203	314	419	517	616	727	824	1329
160	187	287	386	472	567	665	754	1366
175	142	216	288	359	433	505	575	1462
195	74	111	142	191	234	265	310	1549

Mounting instructions

Fastening torque M8 x 1,25 : 12 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 17 daN.