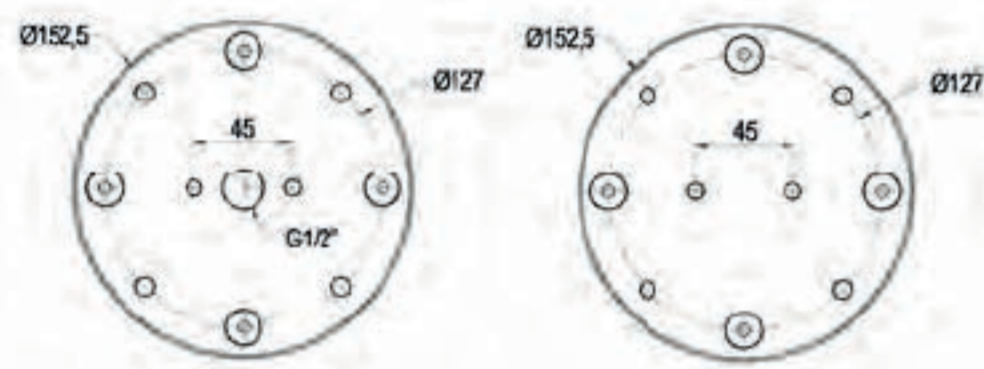
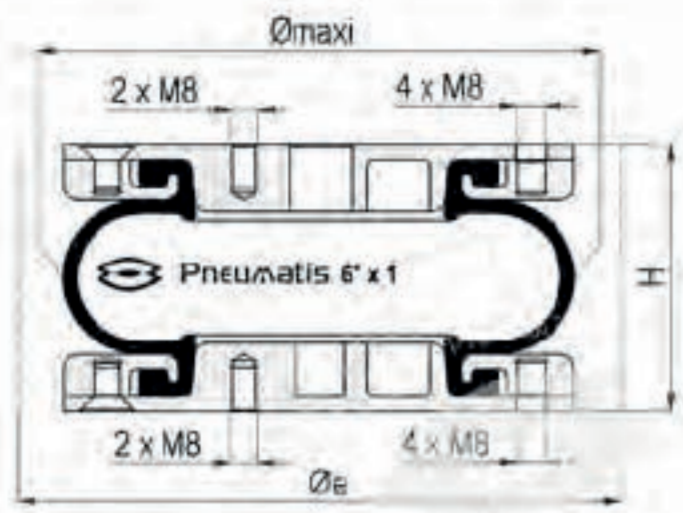


# Bellow 6" x 1 alu

DB06110/E

INDUSTRY



## Technical characteristics

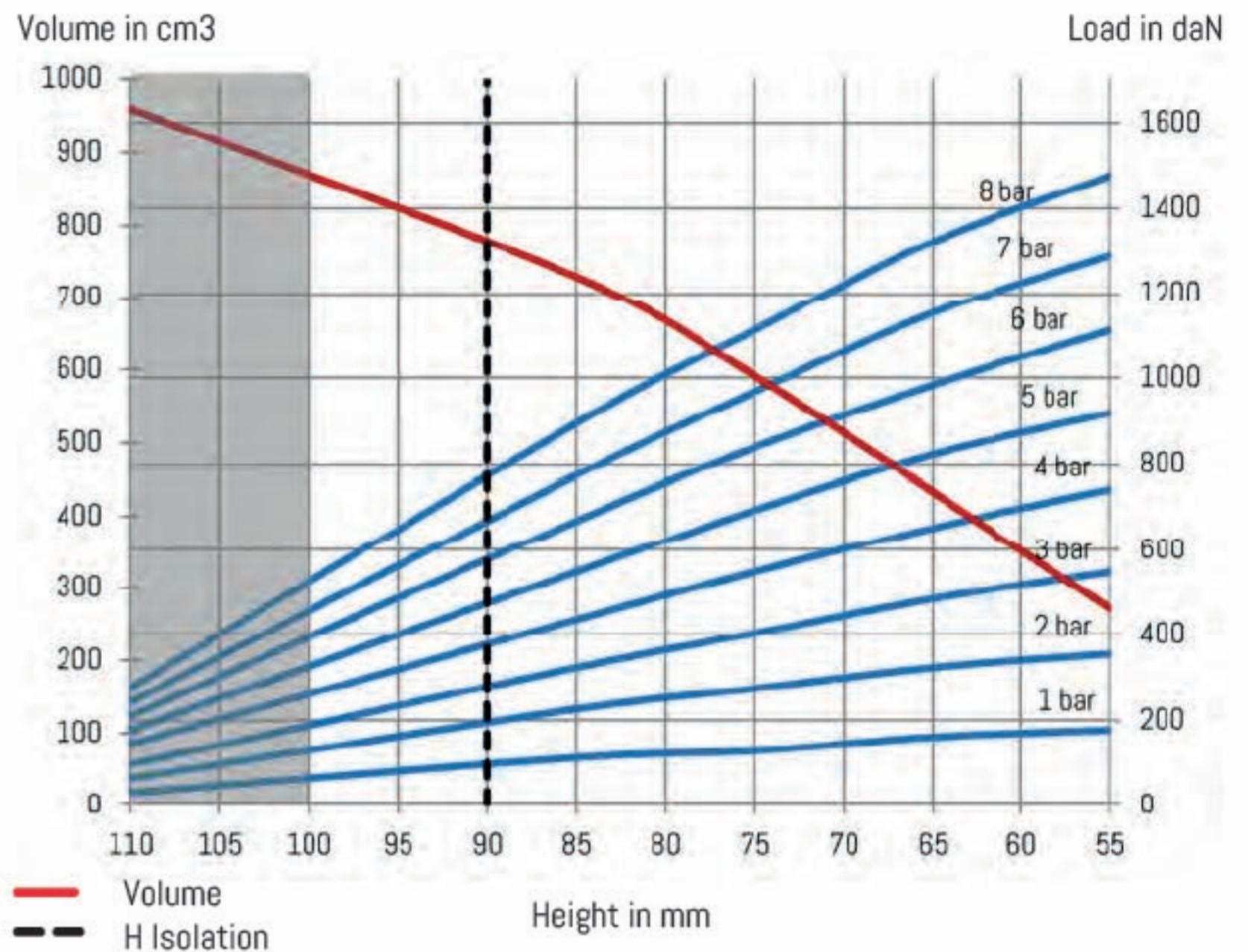
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	152 mm
Maximum diameter	175 mm
Minimum overall diameter (Øe)	190 mm
Minimum height	55 mm
Static height (H)	80 mm
Maximum height	110 mm
Maximum recommended height	100 mm
Total stroke	55 mm
Effective area at static height	106 cm <sup>2</sup>
Stiffness at 4 bar	76,00 daN/mm
Natural frequency at 4 bar	3,20 Hz
Weight	2,0 kg

## Dynamic characteristics at H = 90mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	185	395	610
Volume (dm <sup>3</sup> )	0,73	0,75	0,78
Stiffness (daN/mm)	106,3	191,9	272,2
Natural frequency (Hz)	3,76	3,47	3,33
Isolation rate at 10Hz %	83,6%	86,3%	87,5%

\* Recommended height for better isolation



## Temperatures

Epichlore	-20°C (-30°C static)	+115°C (+120°C static)
-----------	----------------------	------------------------

## References

DB06110/E	Bellow 1 convolute 6" x 1 Epichlore aluminium screwed air inlet G <sup>1/2</sup> centered
-----------	---

## Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
55	355	548	742	919	1 113	1 290	1 476	271
65	323	484	653	823	984	1 153	1 322	433
75	274	403	548	694	839	968	1 113	591
80	252	365	494	625	756	877	1 010	660
85	226	323	435	548	669	774	895	729
90	197	281	383	486	588	680	786	781
100	134	191	267	336	406	468	540	881
110	65	97	145	177	210	242	276	960

## Mounting instructions

Fastening torque M8 x 1,25 : 12 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 14 daN.