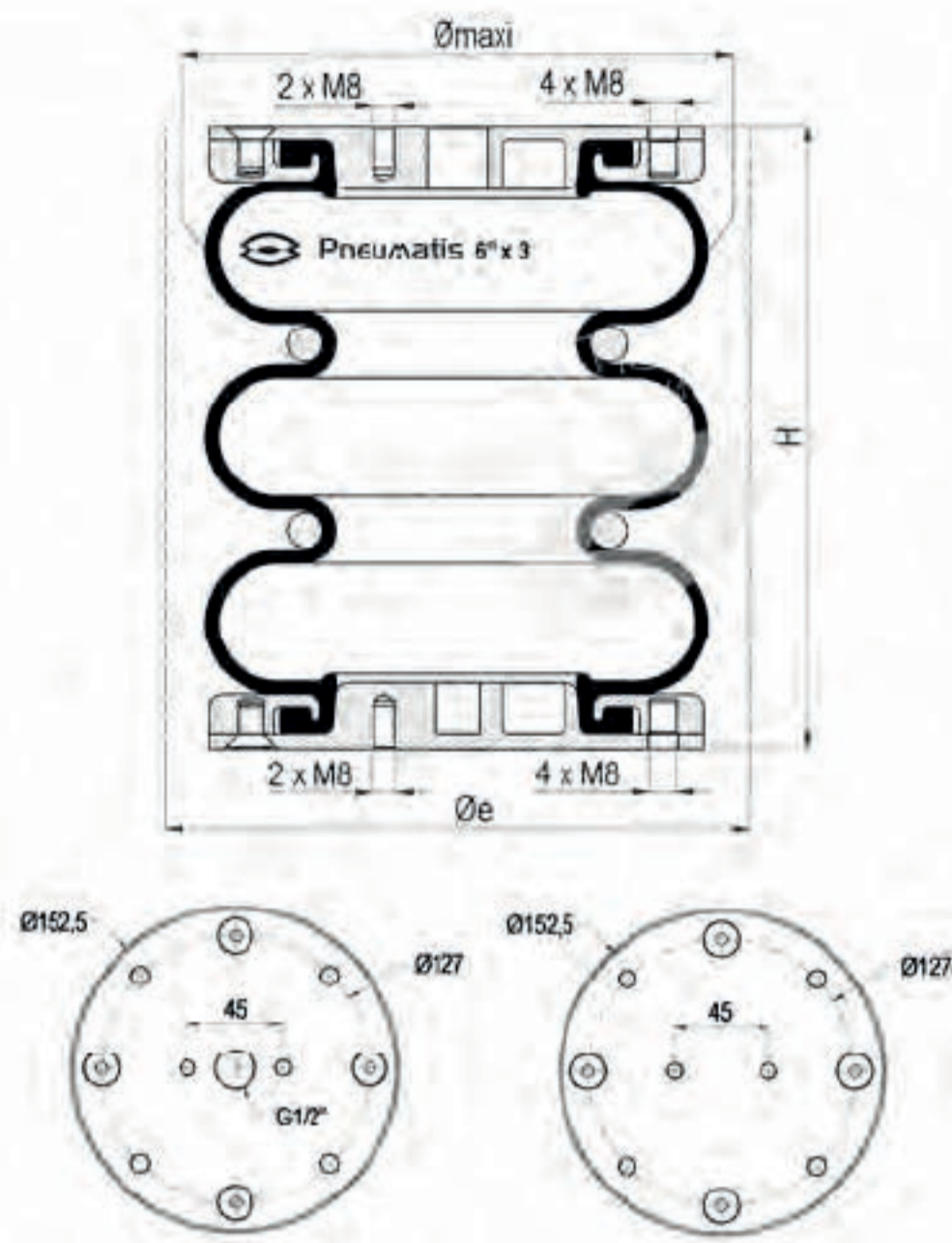


# Bellow 6" x 3 alu

## DB0639/E

INDUSTRY



### Technical characteristics

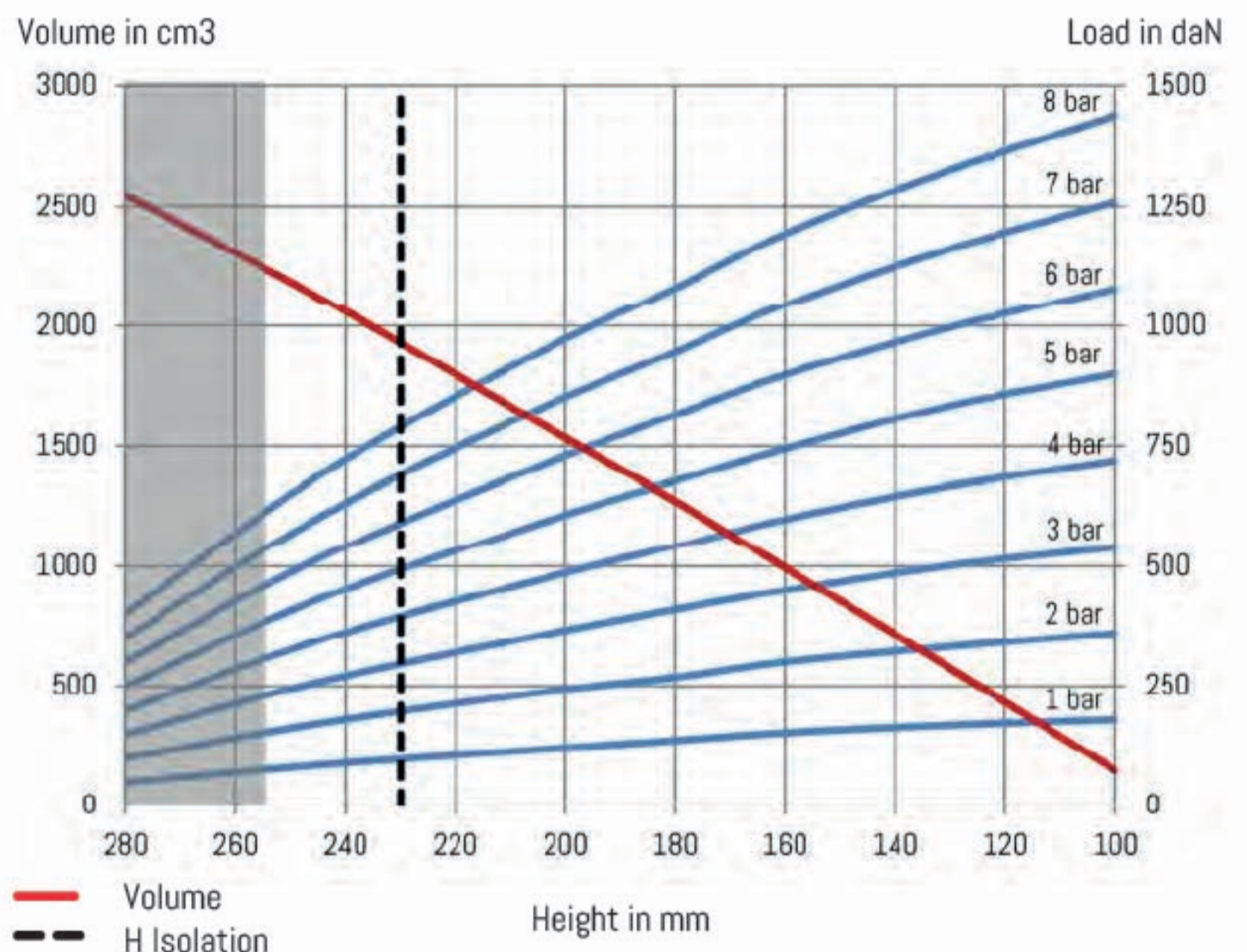
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	152 mm
Maximum diameter	175 mm
Minimum overall diameter ( $\varnothing_e$ )	190 mm
Minimum height	100 mm
Static height (H)	190 mm
Maximum height	280 mm
Maximum recommended height	255 mm
Total stroke	180 mm
Effective area at static height	117 cm <sup>2</sup>
Stiffness at 4 bar	11,70 daN/mm
Natural frequency at 4 bar	2,04 Hz
Weight	3,0 kg

### Dynamic characteristics at H = 230mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	175	365	560
Volume (dm <sup>3</sup> )	2,16	2,30	2,40
Stiffness (daN/mm)	29,9	54,0	77,3
Natural frequency (Hz)	2,07	1,91	1,85
Isolation rate at 10Hz %	95,5%	96,2%	96,4%

\* Recommended height for better isolation



### Temperatures

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

DB0639/E	Bellow 3 convolutes 6" x 3 Epichlore aluminium screwed air inlet G1/2 centered
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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 5 bar
100	360	540	720	900	1 080	1 260	1 440	150
130	332	502	668	834	997	1 163	1 327	575
160	300	450	600	745	898	1 045	1 194	995
180	268	409	543	678	815	946	1 081	1275
190	257	389	517	647	776	905	1 034	1403
205	236	354	472	590	708	826	944	1600
230	194	293	390	490	586	685	783	1926
245	172	258	344	430	516	602	688	2125
255	149	225	299	378	450	528	603	2242
280	100	150	200	250	300	350	400	2550

### 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.