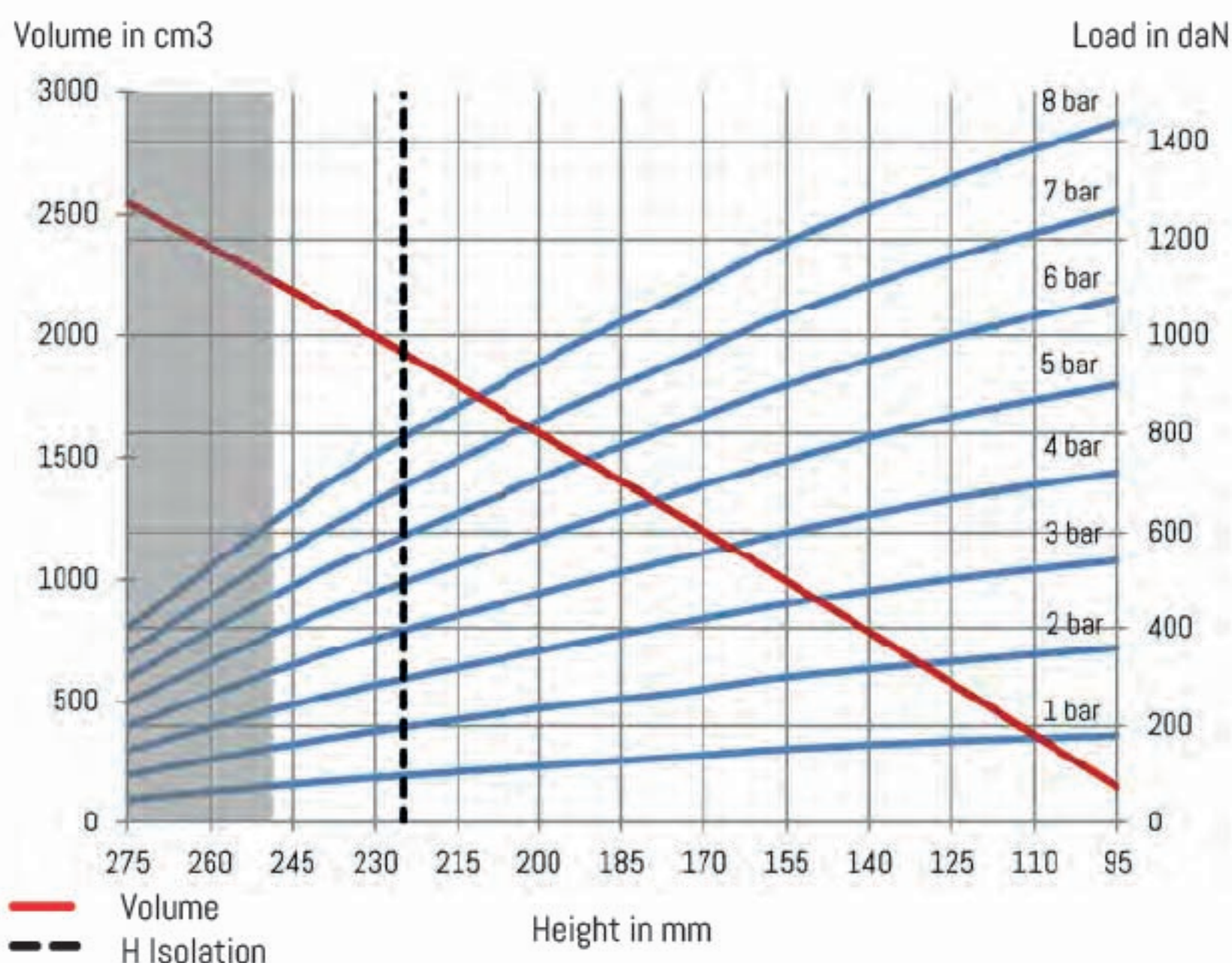
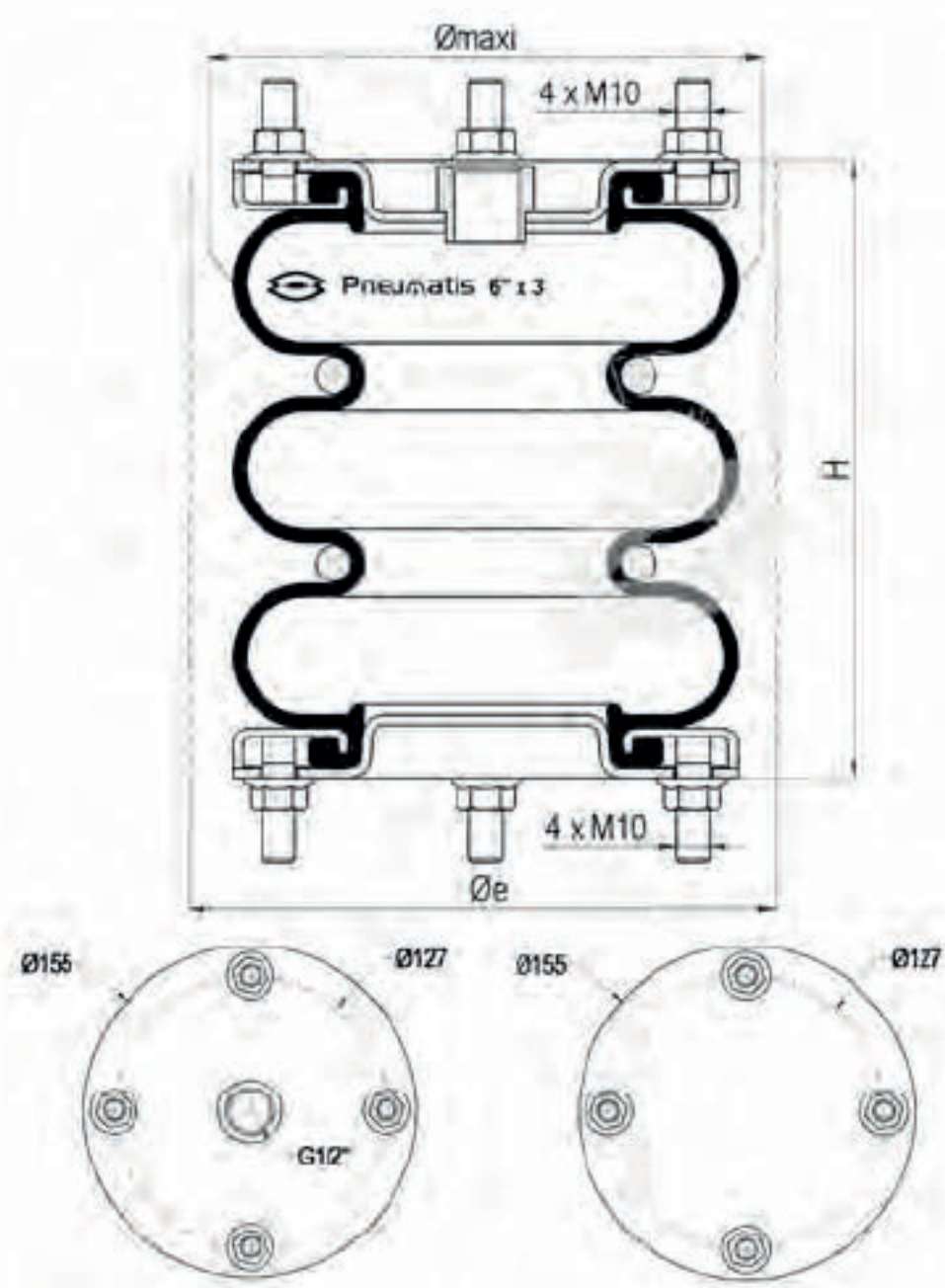


# Bellow 6" x 3 steel

## DB0636/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	95 mm
Static height (H)	190 mm
Maximum height	275 mm
Maximum recommended height	250 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 = 225mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	170	360	545
Volume (dm3)	2,17	2,30	2,42
Stiffness (daN/mm)	29,1	52,7	75,5
Natural frequency (Hz)	2,07	1,91	1,85
Isolation rate at 10Hz %	95,5%	96,2%	96,5%

\* Recommended height for better isolation

### Temperatures

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

DB0636/E	Bellow 3 convolutes 6" x 3 Epichlore steel bolted 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
95	360	540	720	900	1 080	1 260	1 440	150
125	332	502	668	834	997	1 163	1 327	575
155	300	450	600	745	898	1 045	1 195	995
175	268	409	543	678	815	946	1 081	1275
190	250	378	503	629	754	879	1 006	1470
200	236	354	472	590	708	826	944	1600
225	194	293	390	490	586	685	784	1926
240	172	258	344	430	516	602	688	2125
250	149	225	299	378	450	528	606	2242
275	100	150	200	250	300	350	400	2550

### Mounting instructions

Fastening torque M10 x 1,5 : 20 to 28 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 19 daN.