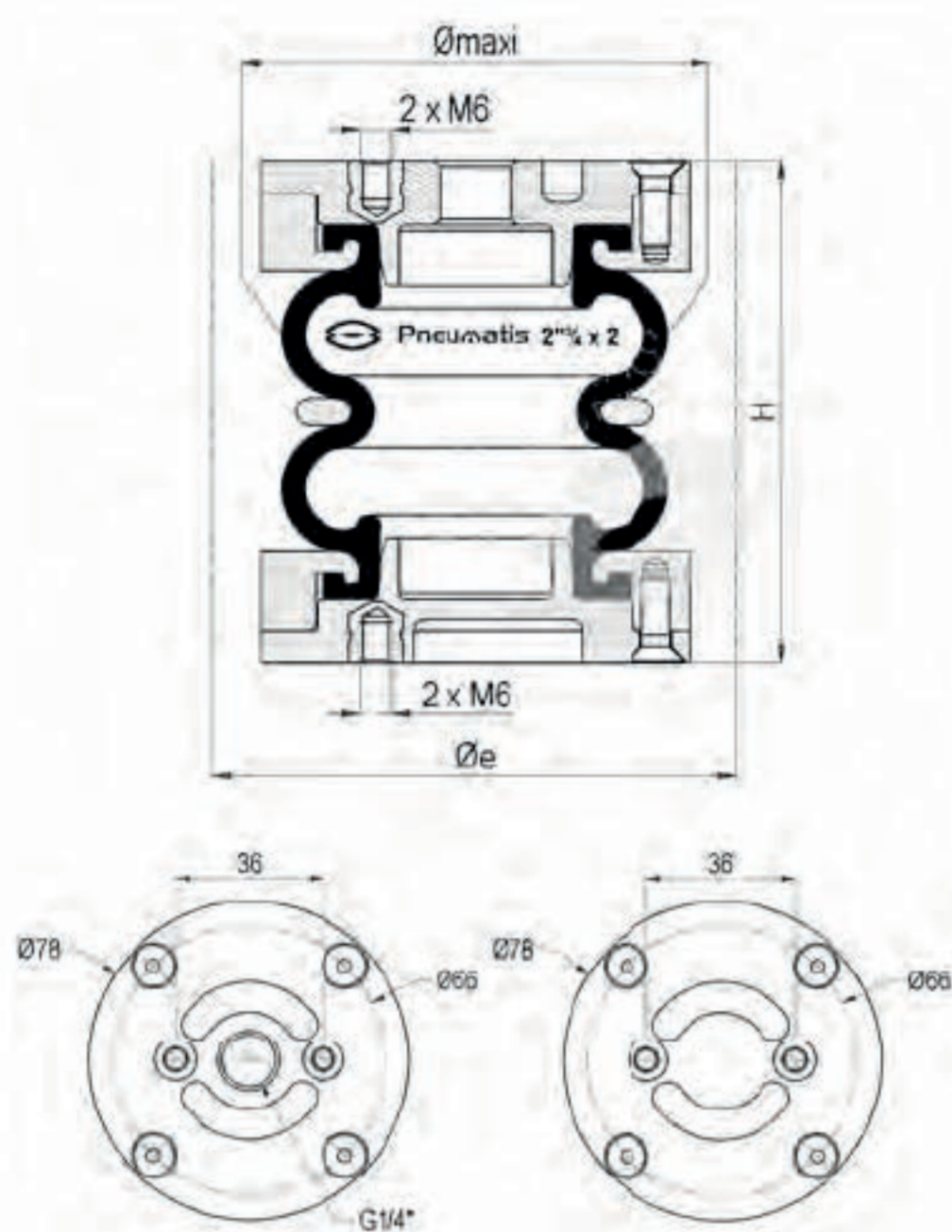


Bellow 2"¾ x 2 alu

DB0224/B

INDUSTRY



Technical characteristics

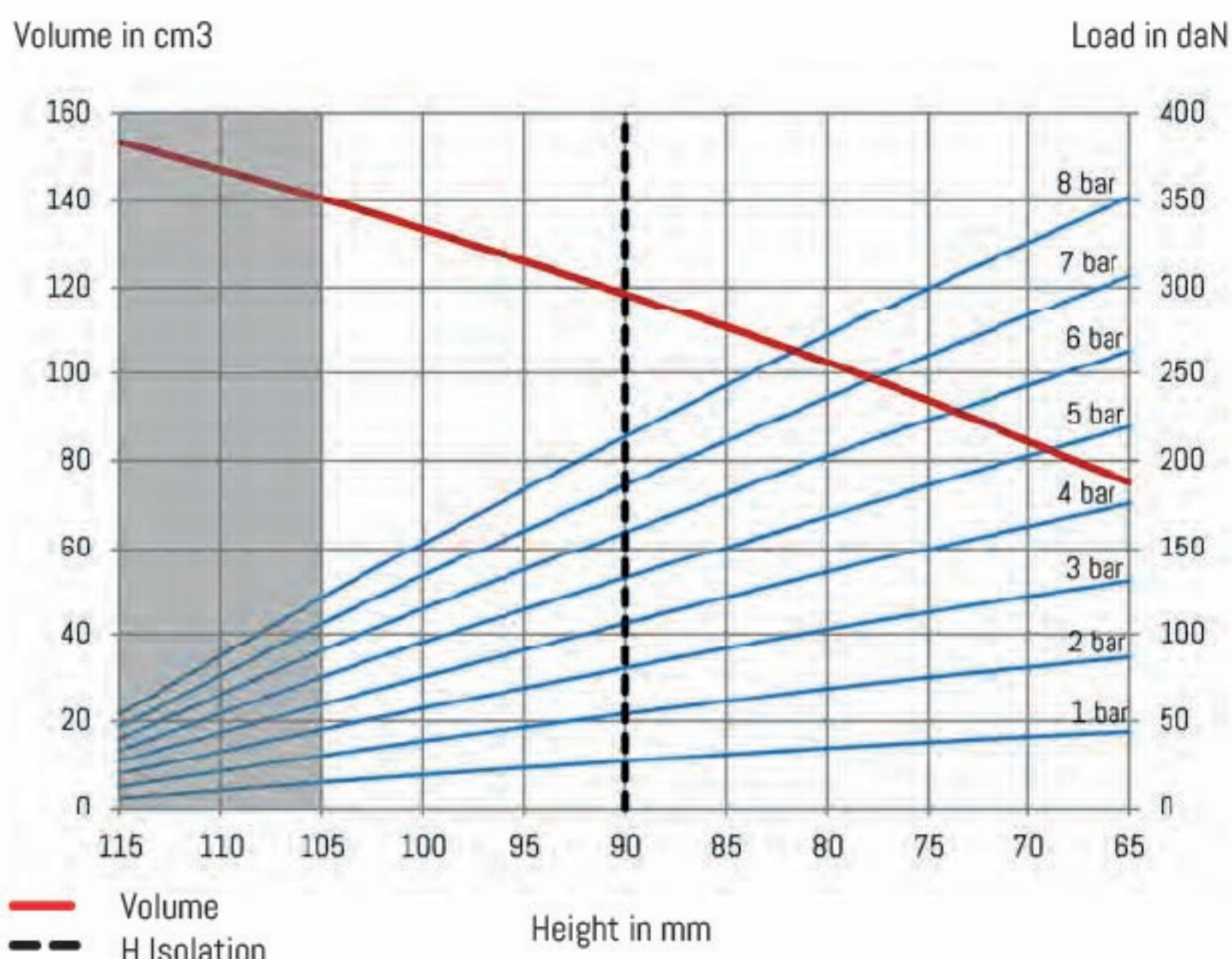
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	70 mm
Maximum diameter	80 mm
Minimum overall diameter (Øe)	95 mm
Minimum height	65 mm
Static height (H)	90 mm
Maximum height	115 mm
Maximum recommended height	105 mm
Total stroke	50 mm
Effective area at static height	25 cm ²
Stiffness at 4 bar	53 daN/mm
Natural frequency at 4 bar	3,80 Hz
Weight	0,5 kg

Dynamic characteristics at H = 90mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	45	90	140
Volume (dm ³)	0,135	0,140	0,145
Stiffness (daN/mm)	31,7	52,5	72,5
Natural frequency (Hz)	4,14	3,76	3,60
Isolation rate at 10Hz %	79,3%	83,6%	85,1%

* Recommended height for better isolation



Temperatures

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

DB0224/B Bellow 2 convolutes 2"¾ x 2 Chlorobutyl aluminium screwed air inlet G1/4 centered

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
65	87	131	176	219	263	307	352	75
80	69	103	136	169	203	236	272	103
90	55	81	107	133	160	186	214	119
100	39	57	75	95	115	134	153	134
105	31	45	60	75	90	105	121	141
115	13	20	27	33	40	47	54	154

Mounting instructions

Fastening torque M5 x 0,8 : 5 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 40 daN.