

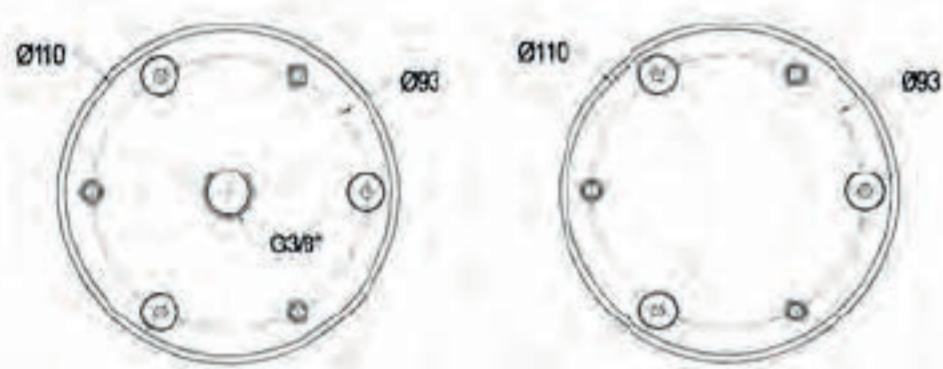
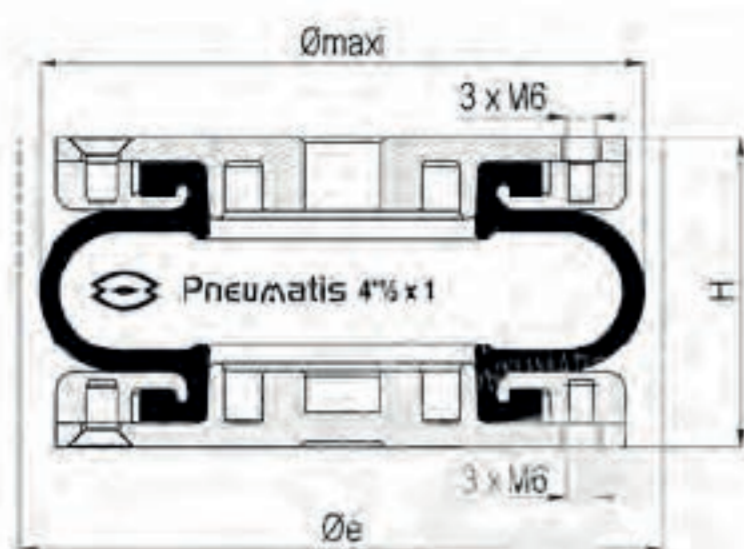
Bellow 4"½ x 1

DB0413/B

INDUSTRY



PNEUMATIS



Technical characteristics

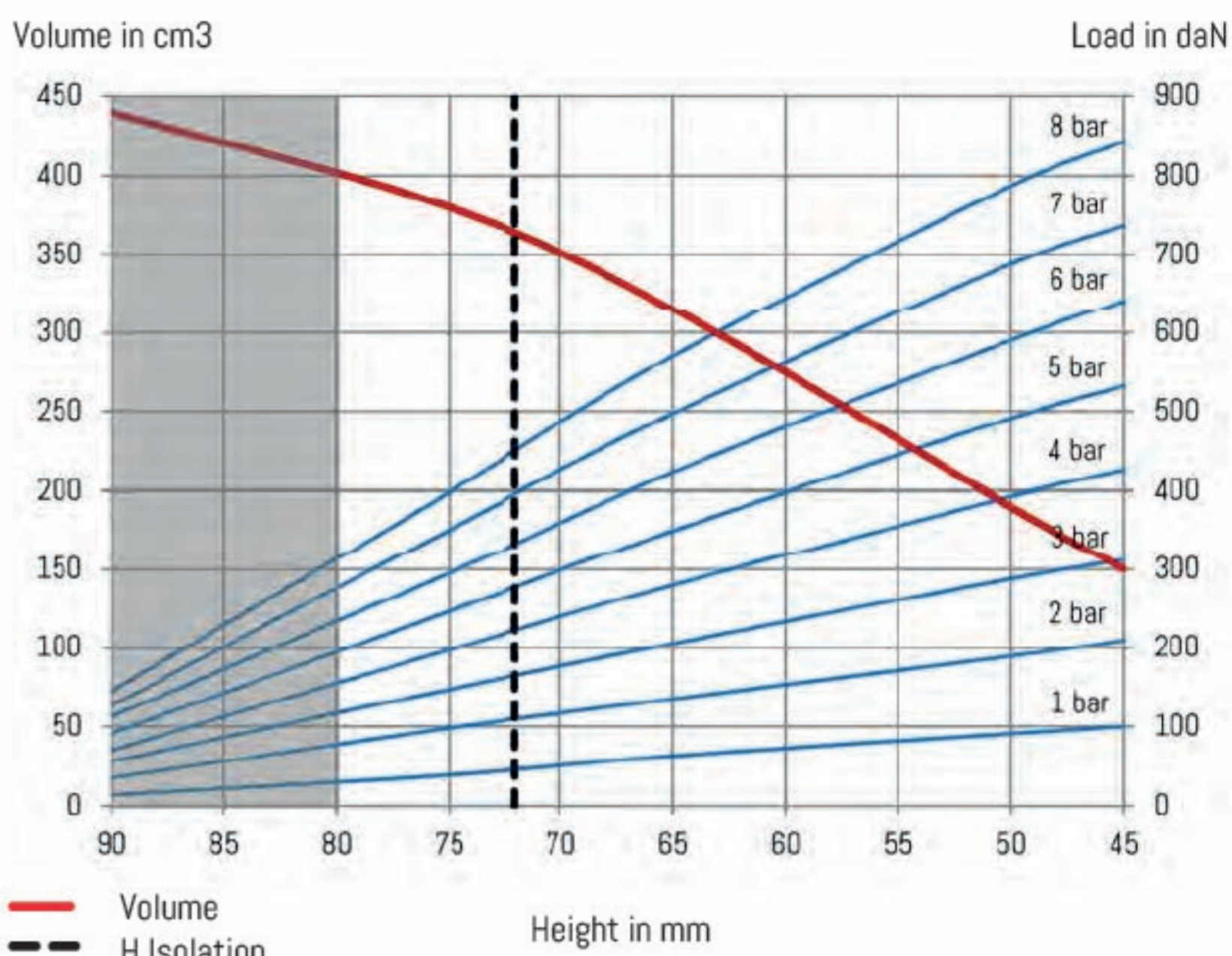
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	114 mm
Maximum diameter	125 mm
Minimum overall diameter (Øe)	140 mm
Minimum height	45 mm
Static height (H)	65 mm
Maximum height	90 mm
Maximum recommended height	80 mm
Total stroke	45 mm
Effective area at static height	72 cm ²
Stiffness at 4 bar	55 daN/mm
Natural frequency at 4 bar	5,74 Hz
Weight	0,8 kg

Dynamic characteristics at H = 72mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	105	220	335
Volume (dm ³)	0,316	0,340	0,365
Stiffness (daN/mm)	74,9	131,8	184,9
Natural frequency (Hz)	4,21	3,87	3,71
Isolation rate at 10Hz %	78,4%	82,4%	84,0%

* Recommended height for better isolation



Temperatures

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

DB0413/B Bellow 1 convolute 4"½ x 1 Chlorobutyl aluminium screwed air inlet G^{3/8} centered

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
45	209	312	426	532	641	737	843	150
50	189	288	393	491	590	688	787	190
65	135	205	280	350	423	497	570	315
72	109	165	223	279	336	398	455	360
75	98	147	197	246	295	351	398	380
80	77	117	157	197	238	281	321	402
90	35	56	70	91	112	126	144	440

Mounting instructions

Fastening torque M6 x 1 : 7 to 11 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 12 daN.