

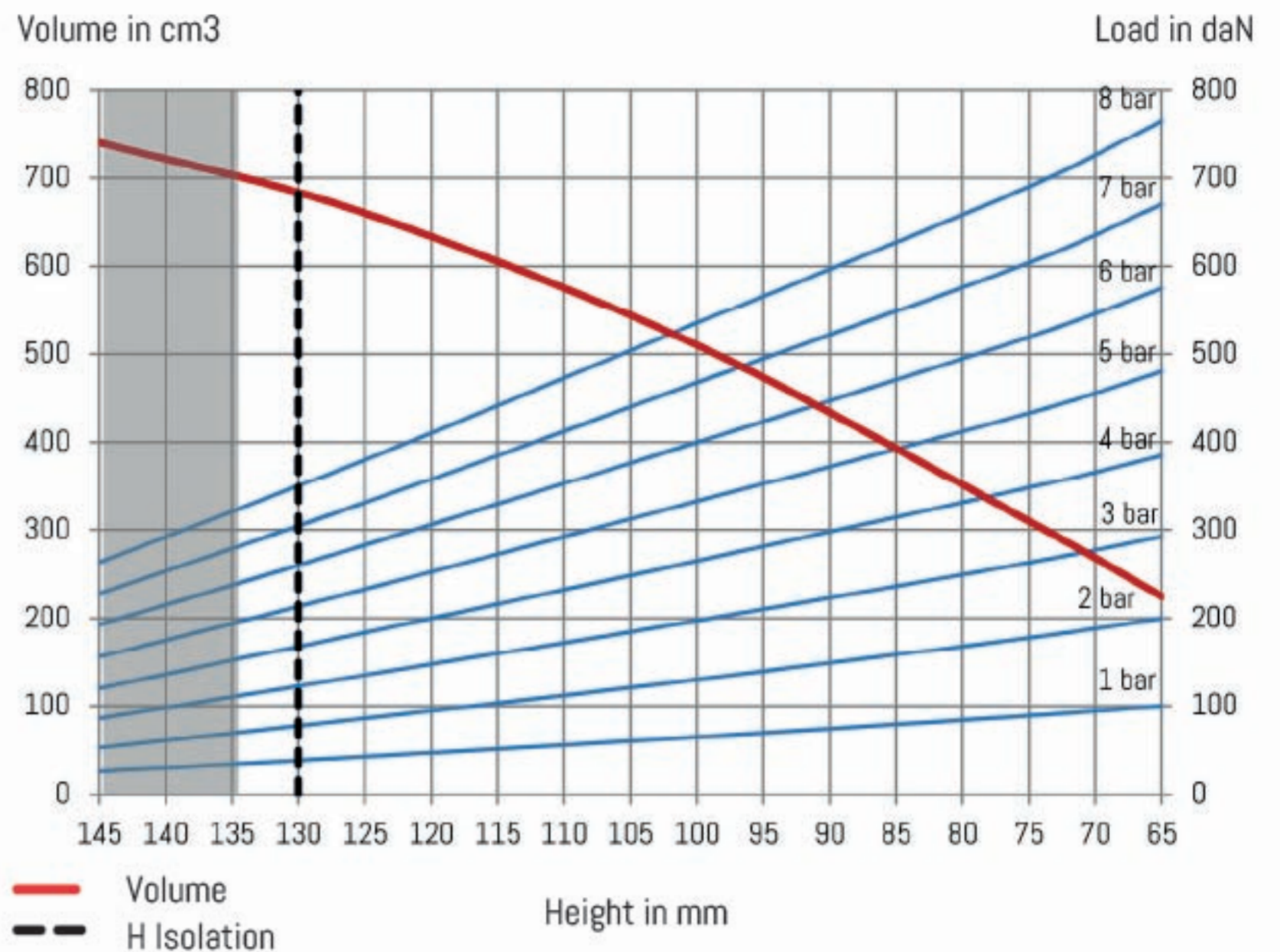
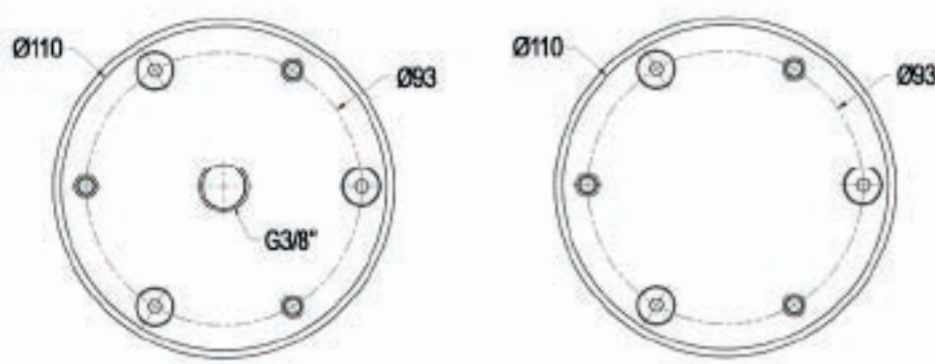
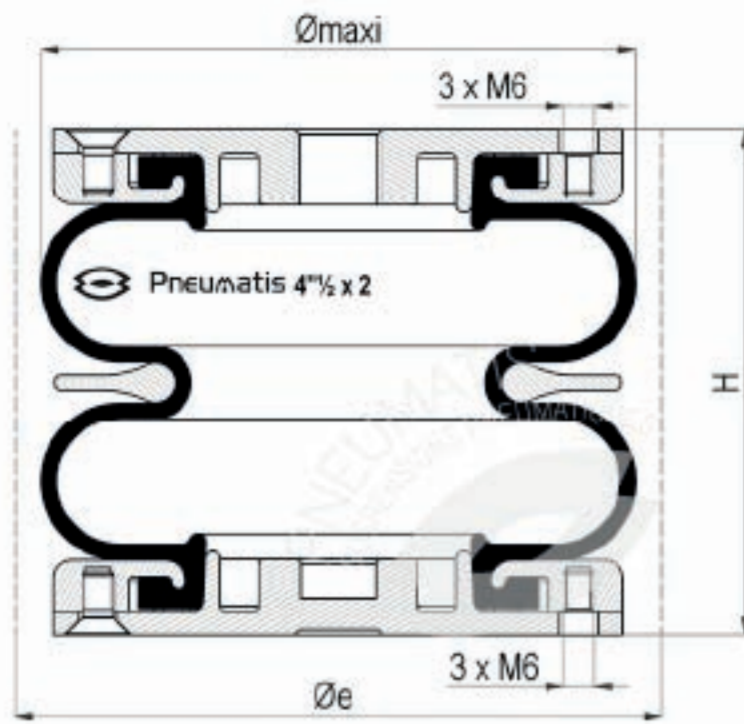
Bellow 4" ½ x 2 Stainless steel

DB0423



PNEUMATIS

INDUSTRY



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	65 mm
Static height (H)	100 mm
Maximum height	145 mm
Maximum recommended height	135 mm
Total stroke	80 mm
Effective area at static height	58 cm ²
Stiffness at 4 bar	12,50 daN/mm
Natural frequency at 4 bar	3 Hz
Weight	1 kg

Dynamic characteristics at H = 130mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	75	170	260
Volume (dm ³)	0,628	0,655	0,683
Stiffness (daN/mm)	26,5	49,5	71,4
Natural frequency (Hz)	2,94	2,71	2,62
Isolation rate at 10Hz %	90,6%	92,1%	92,6%

* Recommended height for better isolation

Temperatures

Standard	-40°C (-50°C static)	+70°C (+90°C static)
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References

DB0423	Bellow 2 convolutes 4" ½ x 2 Stainless steel screwed air inlet G ^{3/8} 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
65	200	293	385	480	575	670	765	225
75	178	263	348	433	519	604	690	310
100	130	198	265	333	400	468	535	510
125	86	135	184	233	283	331	380	660
130	77	123	167	213	260	306	351	681
135	69	111	151	193	238	280	321	703
145	53	86	120	156	193	228	263	740

Mounting instructions

Fastening torque M6 x 1 : 7 to 11 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 13 daN.