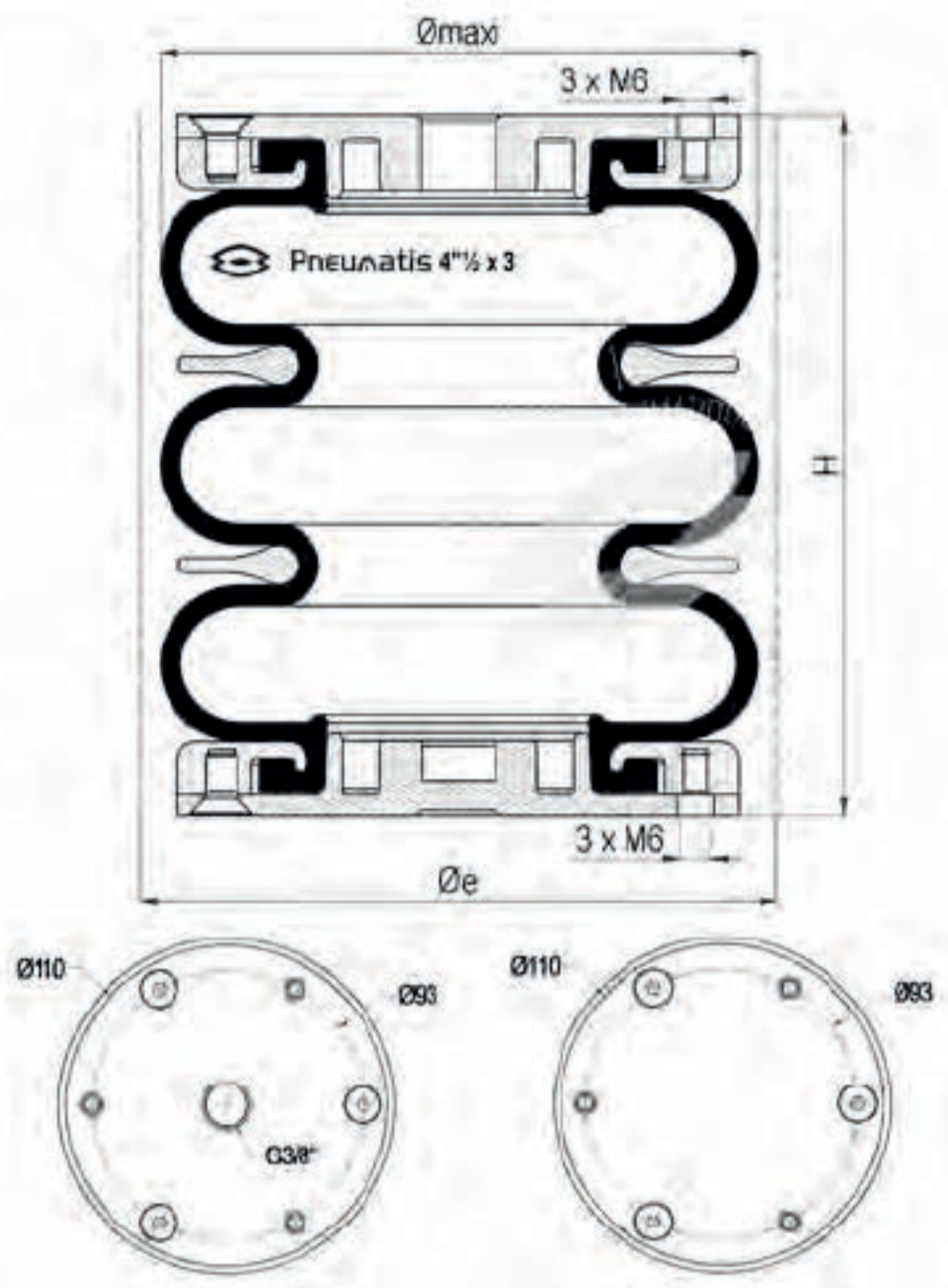


Bellow 4" ½ x 3 alu

DB0434/B

INDUSTRY



Technical characteristics

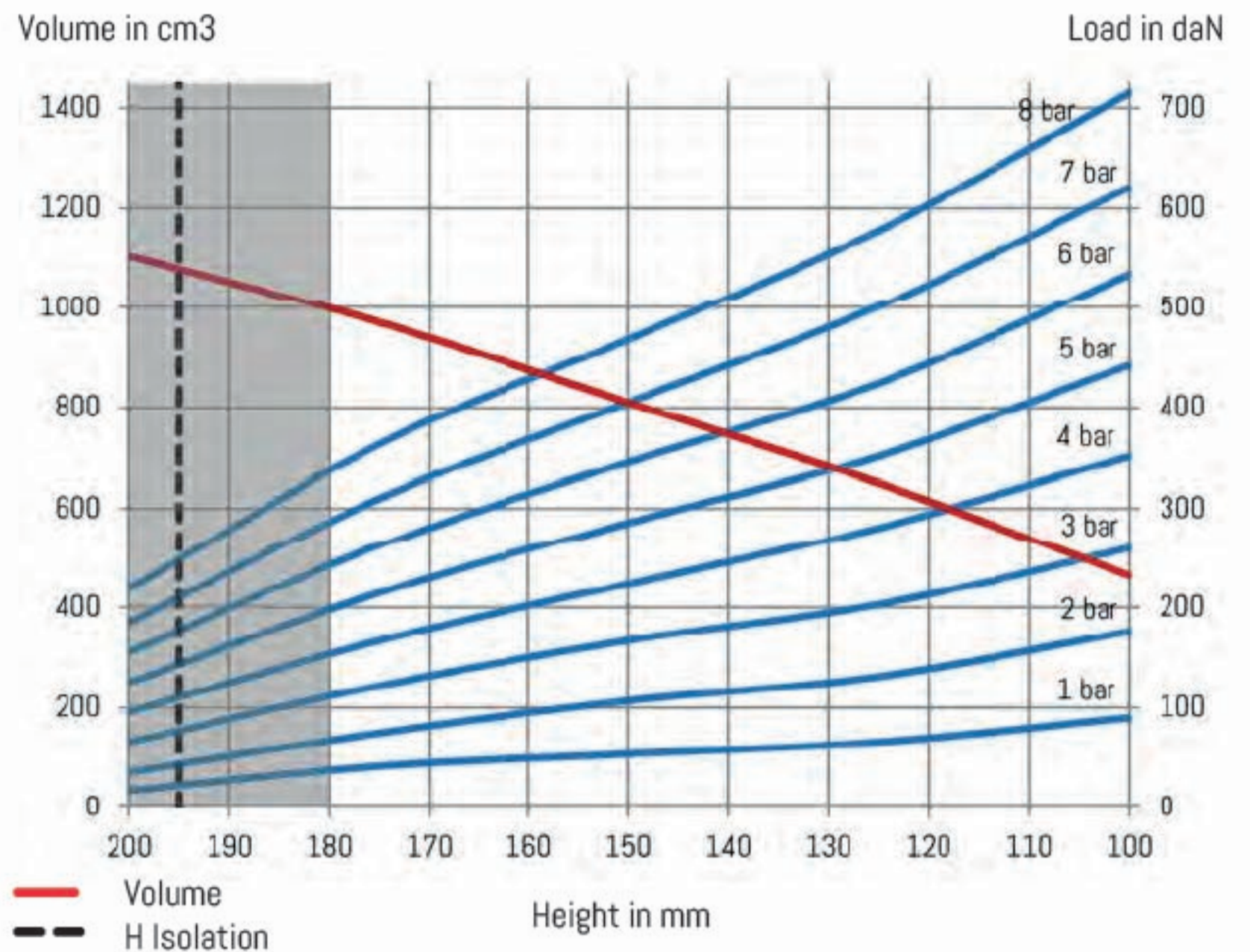
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	114 mm
Maximum diameter	125 mm
Minimum overall diameter (Øe)	140 mm
Minimum height	100 mm
Static height (H)	145 mm
Maximum height	200 mm
Maximum recommended height	180 mm
Total stroke	100 mm
Effective area at static height	60 cm ²
Stiffness at 4 bar	8 daN/mm
Natural frequency at 4 bar	2,5 Hz
Weight	1,2 kg

Dynamic characteristics at H = 195mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	65	150	240
Volume (dm ³)	0,94	1,01	1,08
Stiffness (daN/mm)	13,1	25,5	36,8
Natural frequency (Hz)	2,20	2,04	1,96
Isolation rate at 10Hz %	94,9%	95,7%	96,0%

* Recommended height for better isolation



Temperatures

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

References

DB0434/B Bellow 3 convolutes 4" ½ x 3 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
100	176	260	352	442	534	621	715	465
125	131	203	281	352	424	501	578	650
145	112	174	237	300	363	427	495	783
150	107	167	224	286	346	405	468	810
175	75	122	167	215	263	310	364	970
180	66	108	149	191	235	278	326	997
195	47	79	111	144	179	213	252	1080
200	36	66	96	125	155	185	219	1105

Mounting instructions

Fastening torque M6 x 1 : 7 to 11 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 14 daN.