

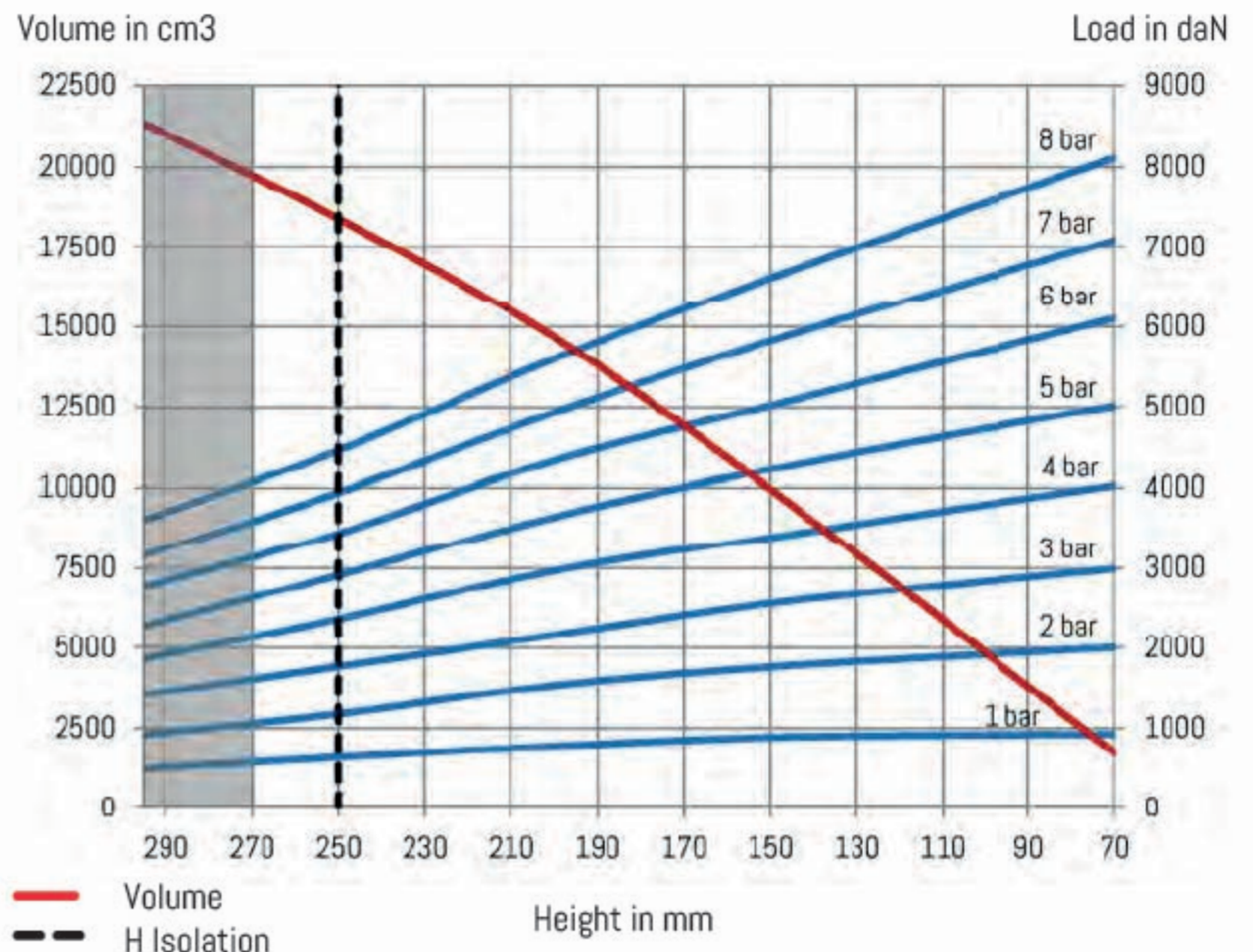
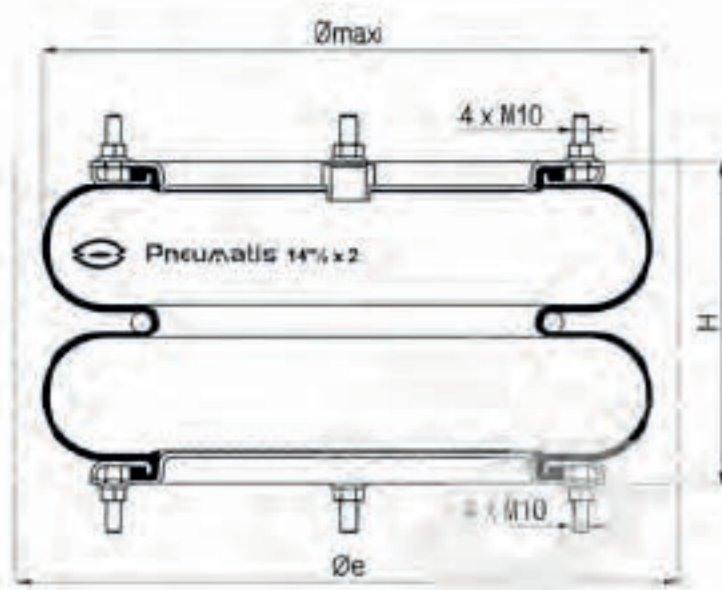
Bellow 14" ½ x 2 steel

DB1428/B



PNEUMATIS

INDUSTRY



Technical characteristics

Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	15°
Maximum out of alignment	10 mm

Static diameter	368 mm
Maximum diameter	395 mm
Minimum overall diameter (Øe)	425 mm
Minimum height	70 mm
Static height (H)	180 mm
Maximum height	295 mm
Maximum recommended height	270 mm
Total stroke	225 mm
Effective area at static height	780 cm²
Stiffness at 4 bar	53 daN/mm
Natural frequency at 4 bar	1,8 Hz
Weight	9,1 kg

Dynamic characteristics at H = 250mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1185	2380	3560
Volume (dm³)	17,2	17,8	18,4
Stiffness (daN/mm)	151	264	373
Natural frequency (Hz)	1,78	1,66	1,61
Isolation rate at 10Hz %	96,7%	97,2%	97,3%

* Recommended height for better isolation

Temperatures

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

DB1428/B	Bellow 2 convolutes 14" ½ x 2 Chlorobutyl 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
70	2 010	2 996	4 031	5 017	6 107	7 093	8 119	1744
100	1 923	2 840	3 798	4 734	5 701	6 624	7 558	4846
150	1 768	2 556	3 395	4 232	5 023	5 826	6 618	9970
180	1 619	2 324	3 131	3 878	4 596	5 277	5 989	12816
200	1 539	2 164	2 971	3 647	4 346	4 935	5 601	14680
250	1 181	1 772	2 361	2 915	3 446	3 945	4 468	18403
270	1 086	1 625	2 167	2 651	3 176	3 622	4 117	19794
295	925	1 421	1 869	2 273	2 770	3 167	3 609	21351

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 8 daN.