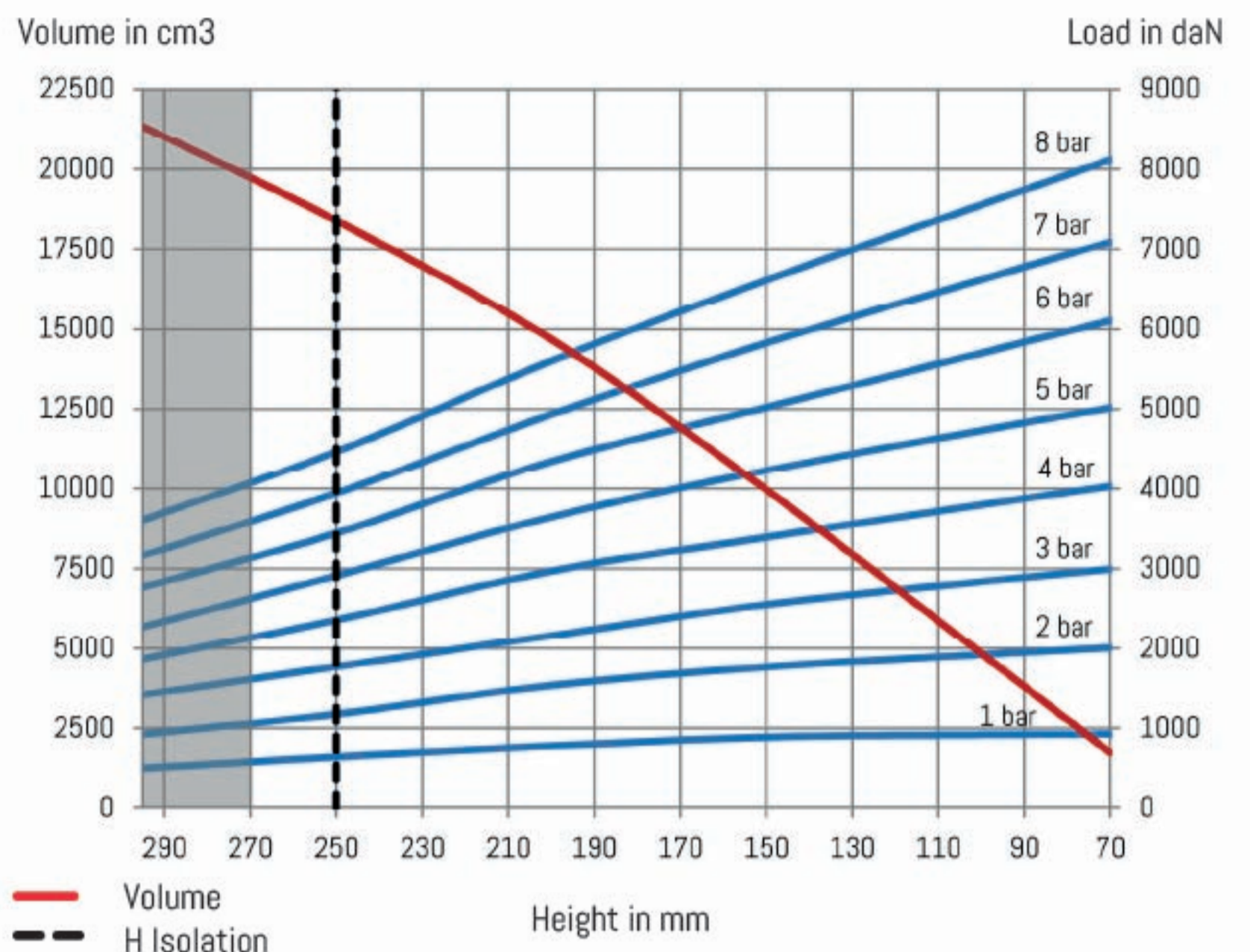
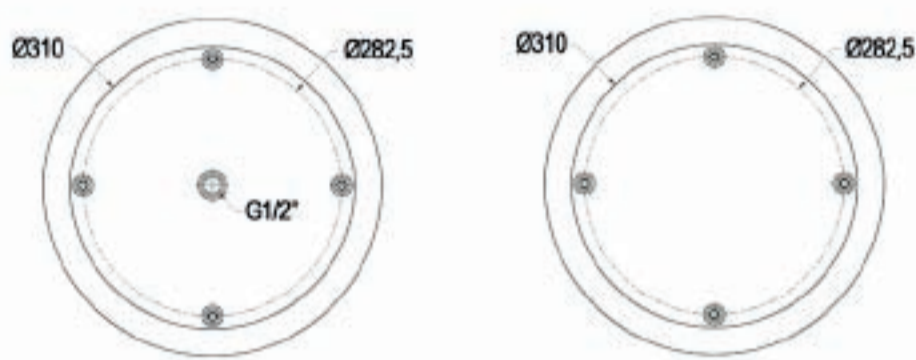
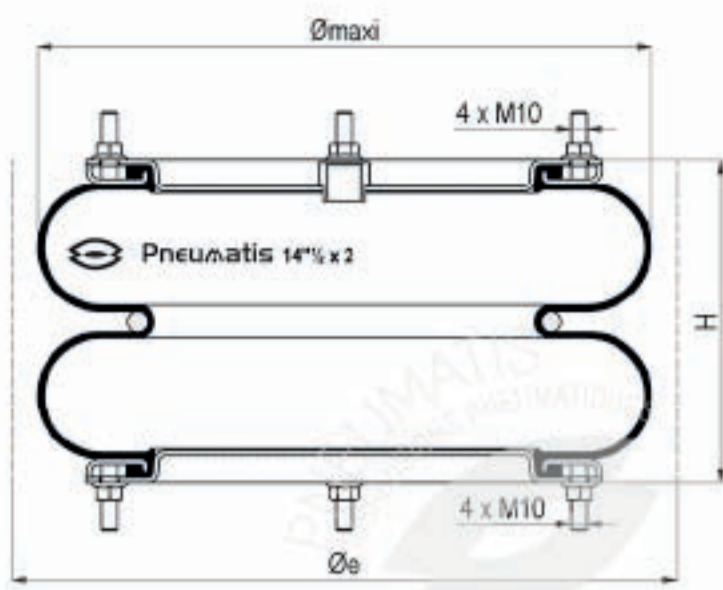


Bellow 14" ½ x 2 Stainless steel

DB14222

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 cm ²
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 (dm ³)	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

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

DB14222	Bellow 2 convolutes 14" ½ x 2 Stainless 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	2996	4 031	5017	6 107	7093	8119	1744
100	1 923	2840	3 798	4734	5 701	6624	7558	4846
150	1 768	2556	3 395	4232	5 023	5826	6618	9970
200	1 539	2164	2 971	3647	4 346	4935	5601	14680
250	1 181	1772	2 361	2915	3 446	3945	4468	18403
295	925	1421	1 869	2273	2 770	3167	3609	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.