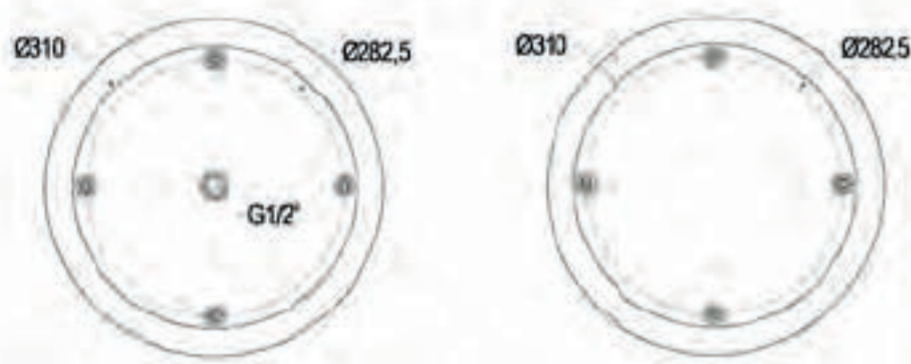
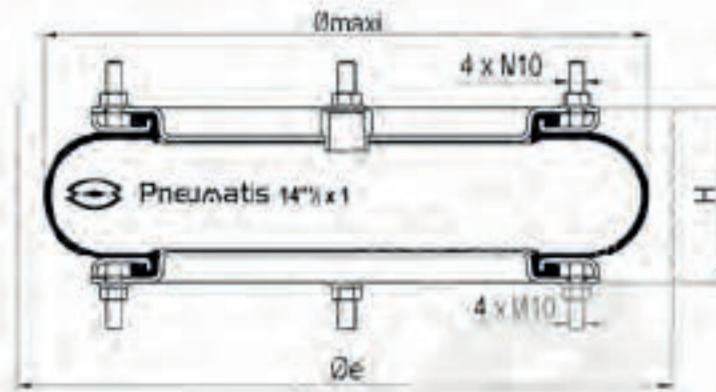


Bellow 14" ½ x 1 steel

DB1417/B

INDUSTRY



Technical characteristics

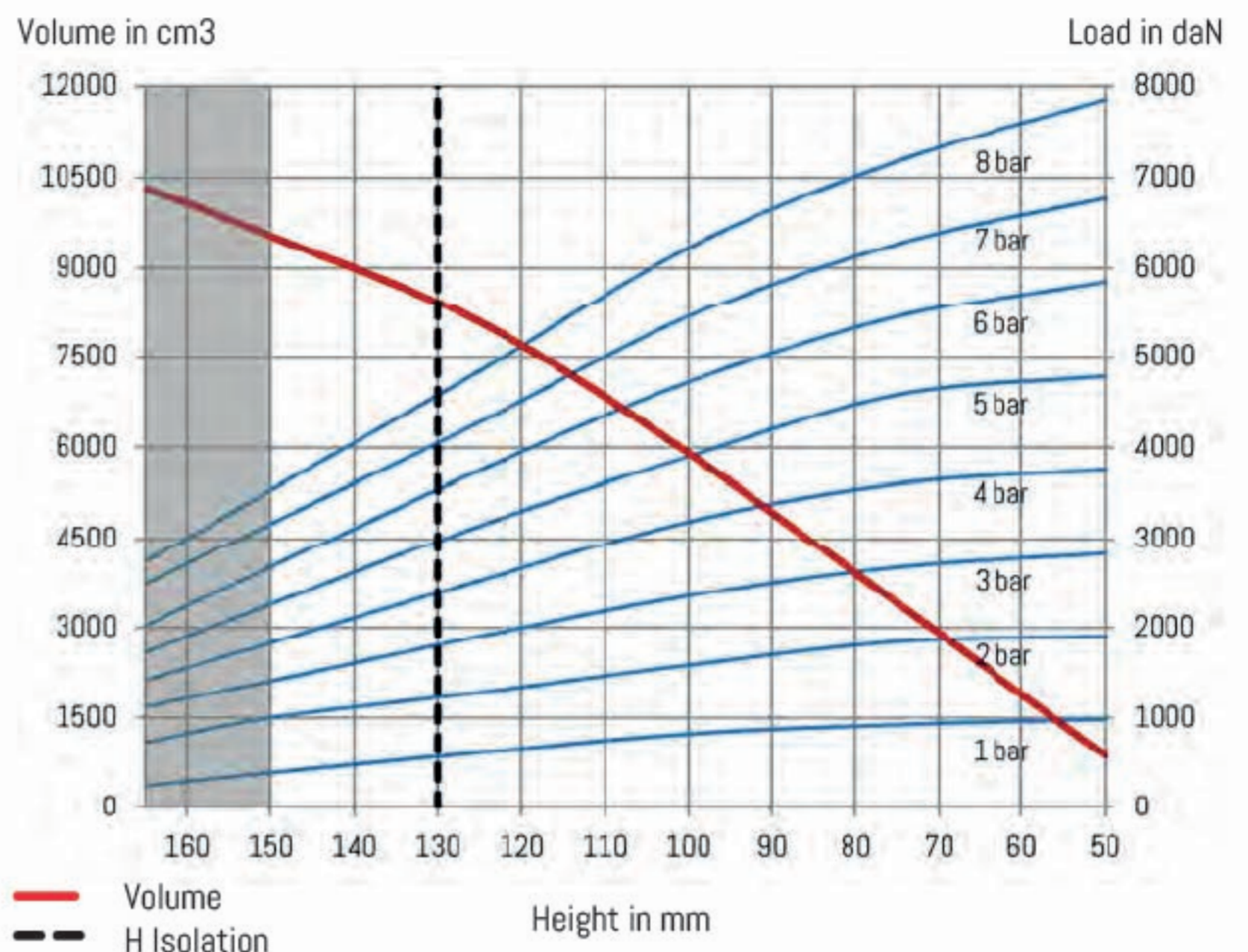
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	368 mm
Maximum diameter	395 mm
Minimum overall diameter (Øe)	425 mm
Minimum height	50 mm
Static height (H)	110 mm
Maximum height	165 mm
Maximum recommended height	150 mm
Total stroke	115 mm
Effective area at static height	710 cm ²
Stiffness at 4 bar	112 daN/mm
Natural frequency at 4 bar	2,60 Hz
Weight	6,90 kg

Dynamic characteristics at H = 130mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1325	2635	3940
Volume (dm ³)	8,66	8,97	9,28
Stiffness (daN/mm)	328	559	784
Natural frequency (Hz)	2,48	2,30	2,22
Isolation rate at 10Hz %	93,4%	94,4%	94,8%

* Recommended height for better isolation



Temperatures

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

DB1417/B Bellow 1 convolute 14" ½ x 1 Chlorobutyl steel bolted air inlet G^{1/2} centered

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
50	1 901	2 826	3 759	4 785	5 847	6 771	7 856	883
75	1 843	2 673	3 602	4 581	5 447	6 266	7 181	3411
100	1 584	2 354	3 189	3 902	4 721	5 449	6 223	5911
110	1 493	2 186	2 942	3 648	4 361	5 002	5 688	6780
125	1 282	1 902	2 523	3 143	3 748	4 277	4 841	8087
130	1 257	1 842	2 457	3 028	3 602	4 165	4 699	8298
150	1 002	1 409	1 830	2 258	2 679	3 166	3 534	9535
165	730	1 122	1 420	1 724	2 018	2 492	2 736	10331

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.