

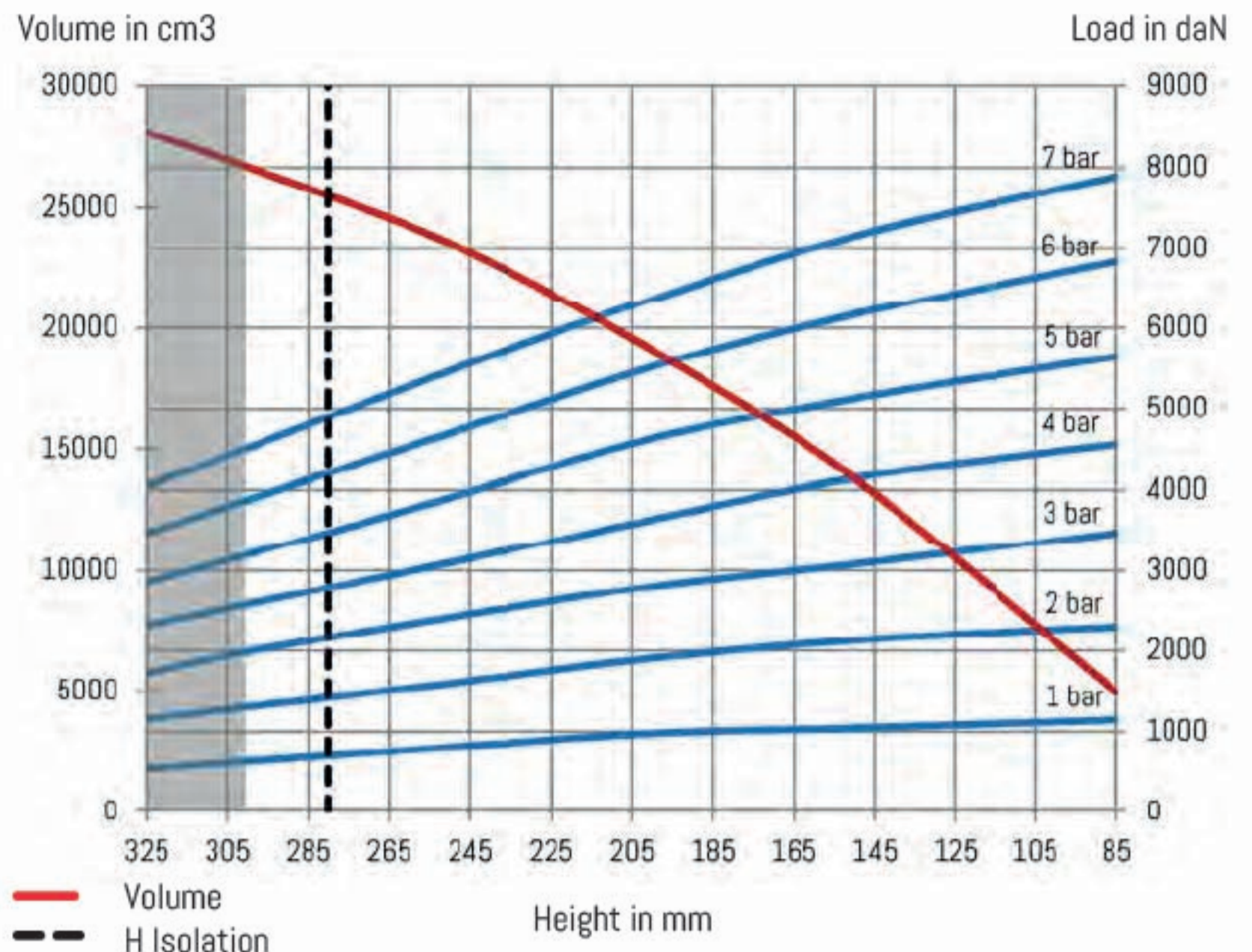
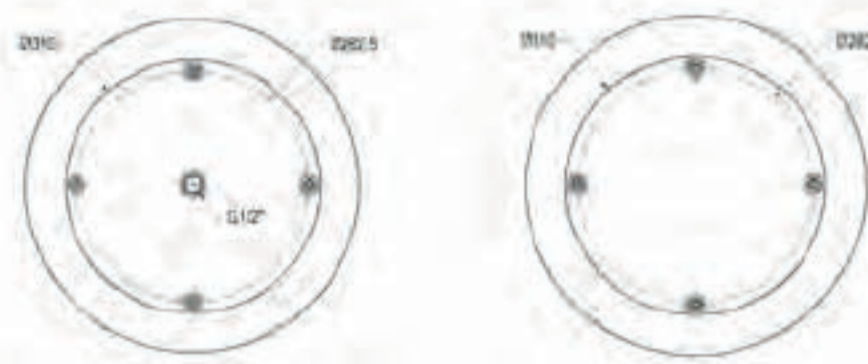
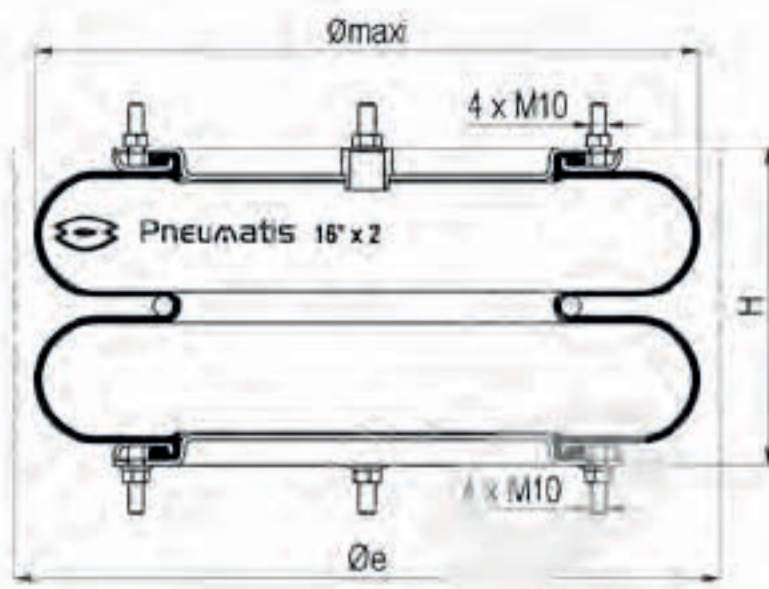
# Bellow 16" x 2 reinforced steel

DB16224/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	406 mm
Maximum diameter	440 mm
Minimum overall diameter (Øe)	460 mm
Minimum height	85 mm
Static height (H)	200 mm
Maximum height	325 mm
Maximum recommended height	300 mm
Total stroke	240 mm
Effective area at static height	870 cm <sup>2</sup>
Stiffness at 4 bar	63 daN/mm
Natural frequency at 4 bar	1,71 Hz
Weight	10,4 kg

## Dynamic characteristics at H = 280mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1255	2545	3825
Volume (dm <sup>3</sup> )	22,2	22,6	22,9
Stiffness (daN/mm)	133	237	339
Natural frequency (Hz)	1,62	1,52	1,48
Isolation rate at 10Hz %	97,3%	97,6%	97,7%

\* Recommended height for better isolation

## Temperatures

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

DB16224/B	Bellow 2 convolutes 16" x 2 4 ply reinforced Chlorobutyl steel bolted air inlet G <sup>1/2</sup> 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
85	2 290	3 480	4 557	5 642	6 837	7 885		4947
100	2 259	3 382	4 470	5 527	6 687	7 724		7039
150	2 128	3 078	4 147	5 129	6 168	7 154	Contact us	13812
200	1 906	2 798	3 643	4 631	5 518	6 365		19078
250	1 597	2 409	3 096	3 909	4 696	5 468		23546
280	1 448	2 153	2 817	3 529	4 246	4 943		25616
300	1 302	1 988	2 575	3 200	3 881	4 514		26684
325	1 156	1 722	2 315	2 853	3 473	4 047	28120	

## 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 64 daN.