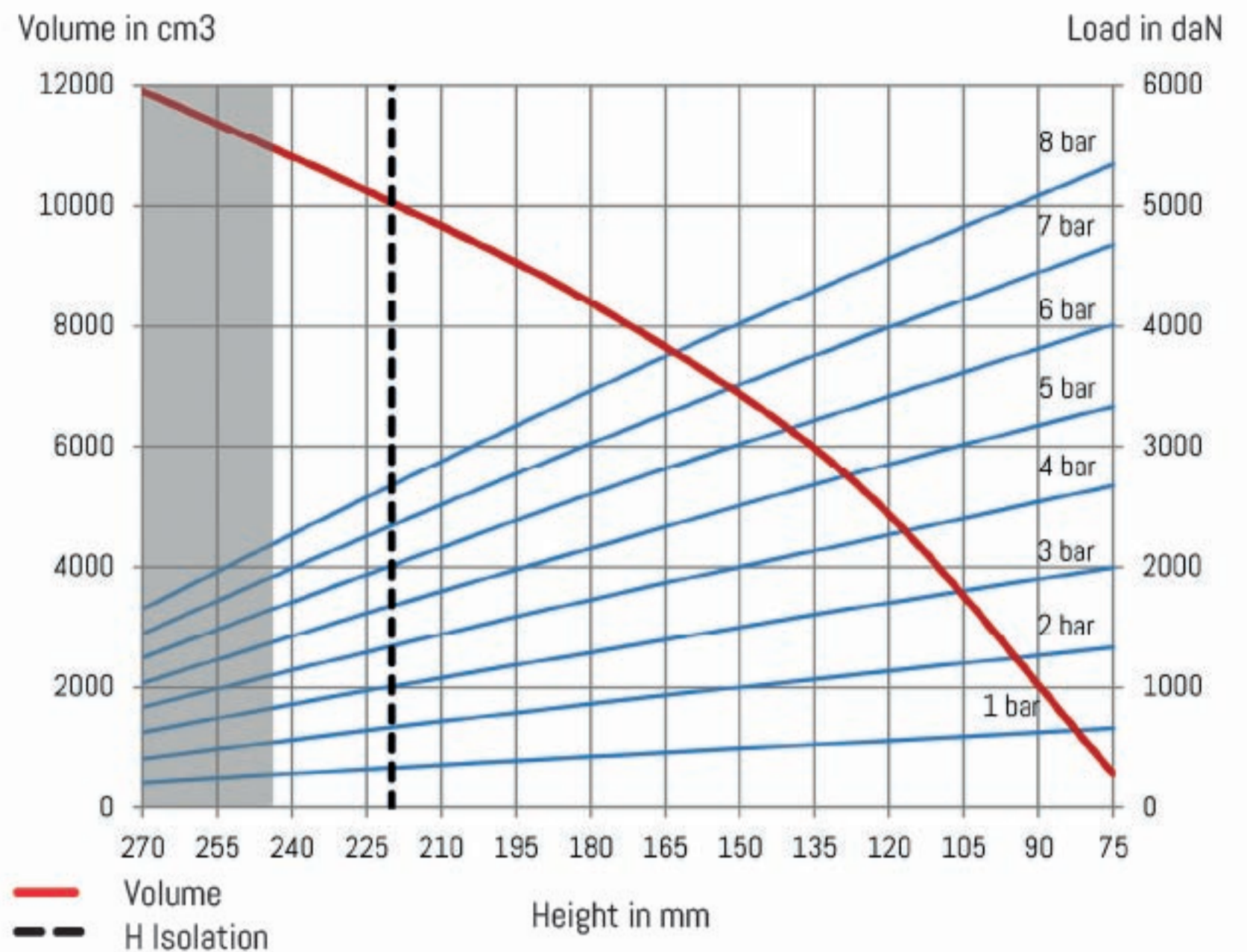
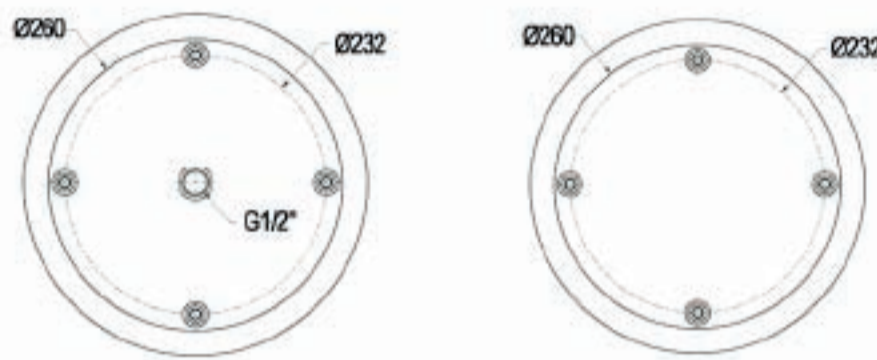
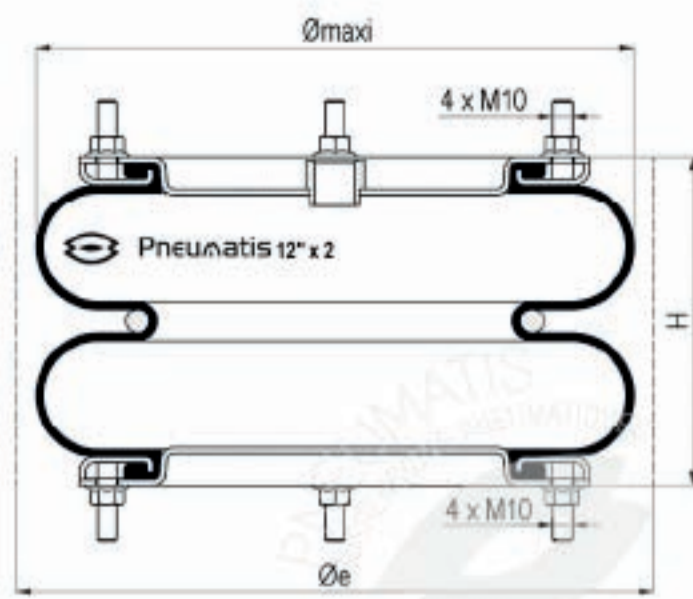


# Bellow 12" x 2 Stainless steel

DB12227

INDUSTRY



## Technical characteristics

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

Static diameter	305 mm
Maximum diameter	330 mm
Minimum overall diameter (Øe)	350 mm
Minimum height	75 mm
Static height (H)	170 mm
Maximum height	270 mm
Maximum recommended height	245 mm
Total stroke	195 mm
Effective area at static height	460 cm <sup>2</sup>
Stiffness at 4 bar	39,00 daN/mm
Natural frequency at 4 bar	1,86 Hz
Weight	6,7 kg

## Dynamic characteristics at H = 220mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	700	1465	2225
Volume (dm <sup>3</sup> )	9,19	9,52	9,85
Stiffness (daN/mm)	109	200	285
Natural frequency (Hz)	1,97	1,84	1,78
Isolation rate at 10Hz %	96,0%	96,5%	96,7%

\* Recommended height for better isolation

## Temperatures

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

DB12227 Bellow 2 convolutes 12" x 2 2 ply Stainless steel bolted air inlet G<sup>1/2</sup> centered

## Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
75	1 334	1 997	2 677	3 336	4 013	4 676	5 344	576
125	1 113	1 673	2 225	2 799	3 351	3 914	4 474	5266
170	909	1 364	1 819	2 279	2 740	3 192	3 650	7930
175	886	1 326	1 776	2 216	2 679	3 109	3 560	8154
220	667	1 005	1 339	1 674	2 013	2 344	2 679	10325
225	642	968	1 290	1 612	1 938	2 258	2 578	10512
245	541	819	1 091	1 359	1 635	1 902	2 172	11161
270	408	627	836	1 038	1 250	1 448	1 654	11902

## 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 9 daN.