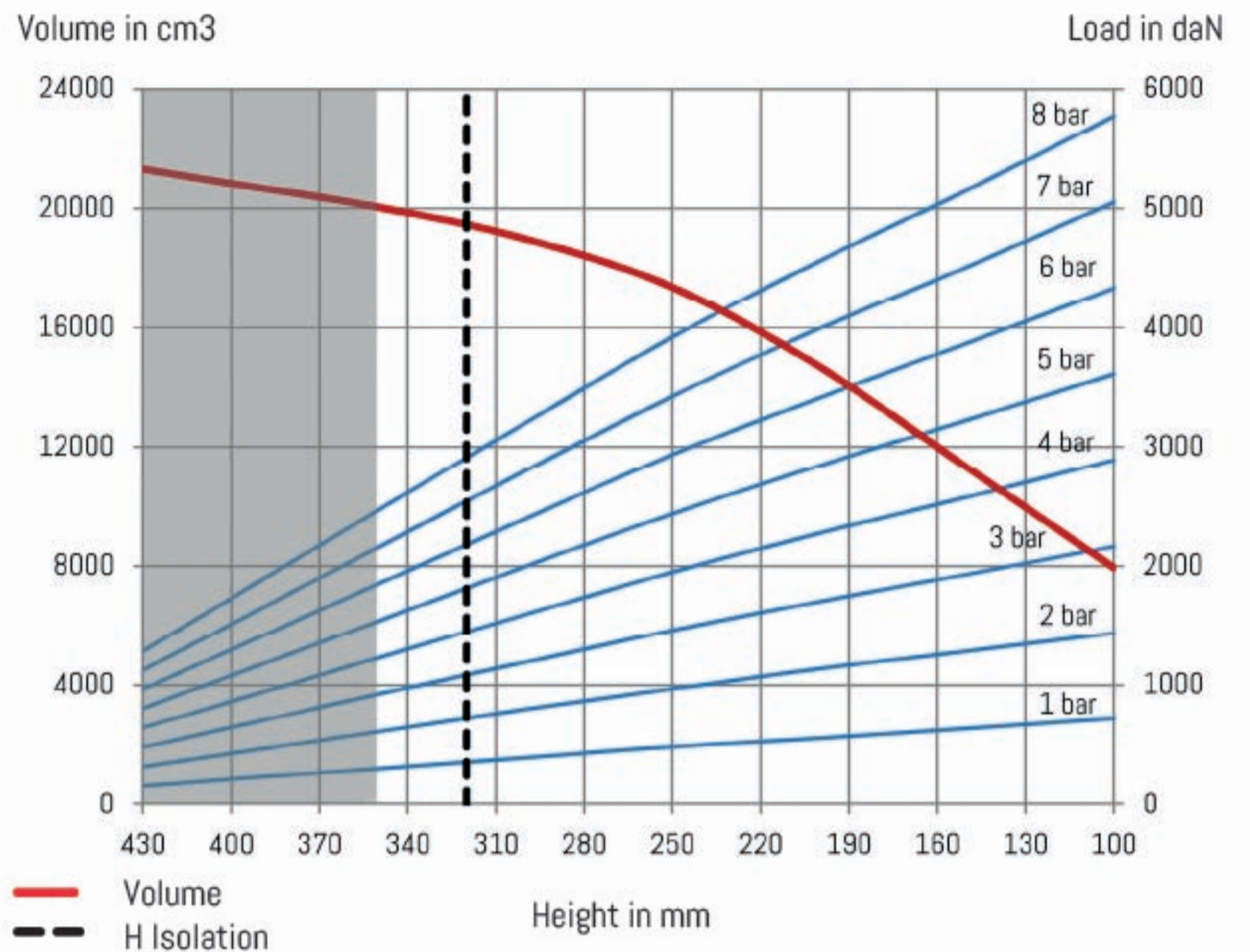
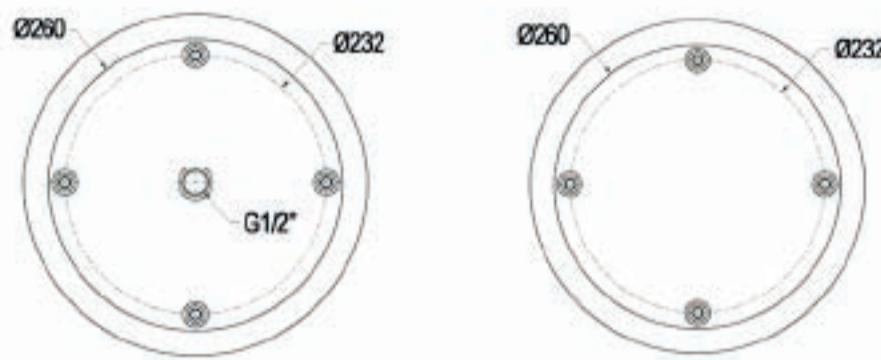
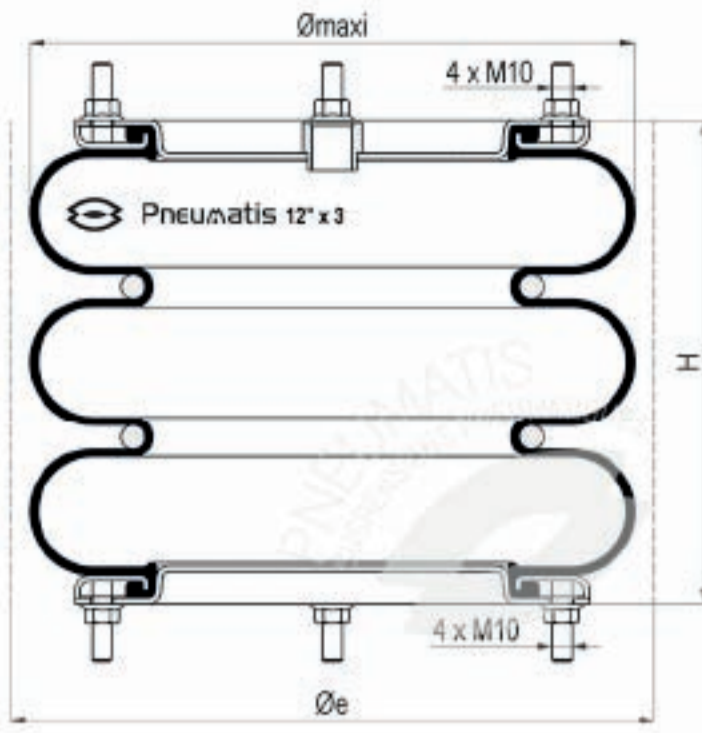


# Bellow 12" x 3 Stainless steel

DB12342

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	100 mm
Static height (H)	250 mm
Maximum height	430 mm
Maximum recommended height	350 mm
Total stroke	330 mm
Effective area at static height	490 cm <sup>2</sup>
Stiffness at 4 bar	30 daN/mm
Natural frequency at 4 bar	1,66 Hz
Weight	8,1 kg

## Dynamic characteristics at H = 320mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	750	1510	2275
Volume (dm <sup>3</sup> )	14,32	14,83	15,34
Stiffness (daN/mm)	76	133	189
Natural frequency (Hz)	1,58	1,48	1,44
Isolation rate at 10Hz %	97,4%	97,8%	97,9%

\* Recommended height for better isolation

## Temperatures

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

DB12342	Bellow 3 convolutes 12" x 3 2 ply 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
100	1 438	2 165	2 891	3 610	4 332	5 052	5 773	7948
150	1 286	1 932	2 578	3 225	3 868	4 509	5 152	11318
200	1 138	1 704	2 277	2 844	3 413	3 993	4 561	14685
250	969	1 462	1 951	2 439	2 936	3 425	3 921	17360
300	797	1 193	1 595	1 998	2 397	2 800	3 202	18982
320	722	1 088	1 455	1 822	2 185	2 560	2 928	19565
350	613	924	1 231	1 539	1 851	2 159	2 469	20046
400	430	648	862	1 081	1 298	1 513	1 731	20832
430	321	483	645	805	967	1 126	1 286	21310

## 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 10 daN.