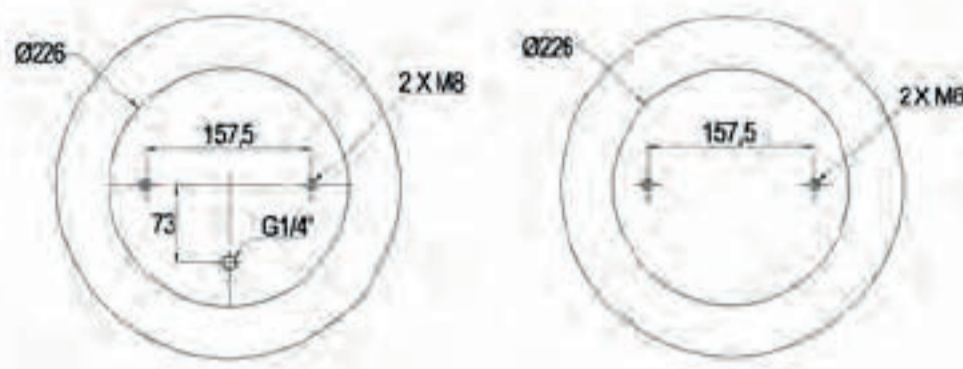
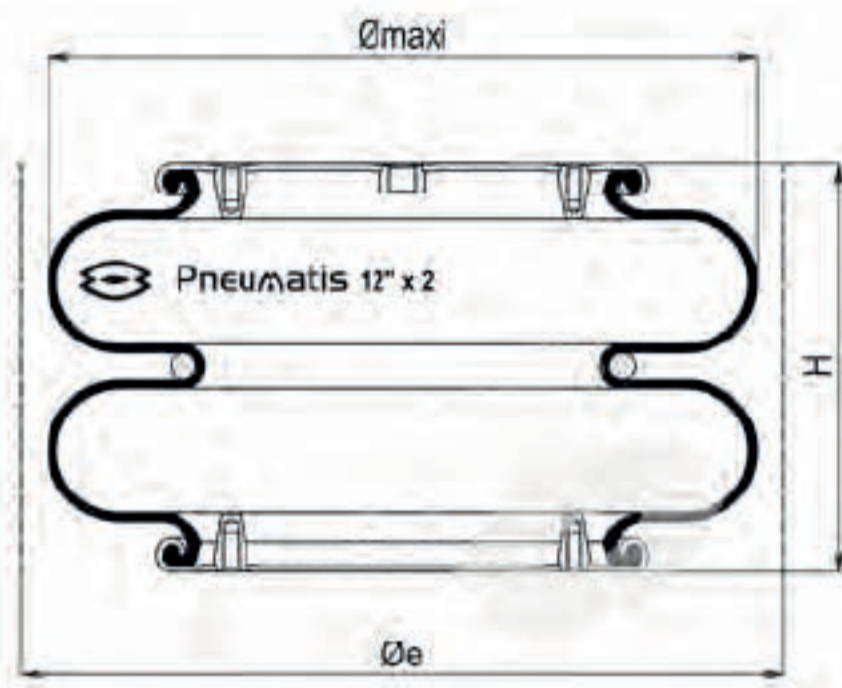


# Crimped bellow 12" x 2

DBS122001

INDUSTRY



## Technical characteristics

Maximum pressure	8 bar
Burst pressure	27 bar
Maximum angular capacity	10°
Maximum out of alignment	10 mm

Static diameter	325 mm
Maximum diameter	325 mm
Minimum overall diameter (Øe)	350 mm
Minimum height	85 mm
Static height (H)	190 mm
Maximum height	300 mm
Maximum recommended height	285 mm
Total stroke	215 mm
Effective area at static height	468 cm <sup>2</sup>
Stiffness at 4 bar	22,59 daN/mm
Natural frequency at 4 bar	1,73 Hz
Weight	5,20 kg

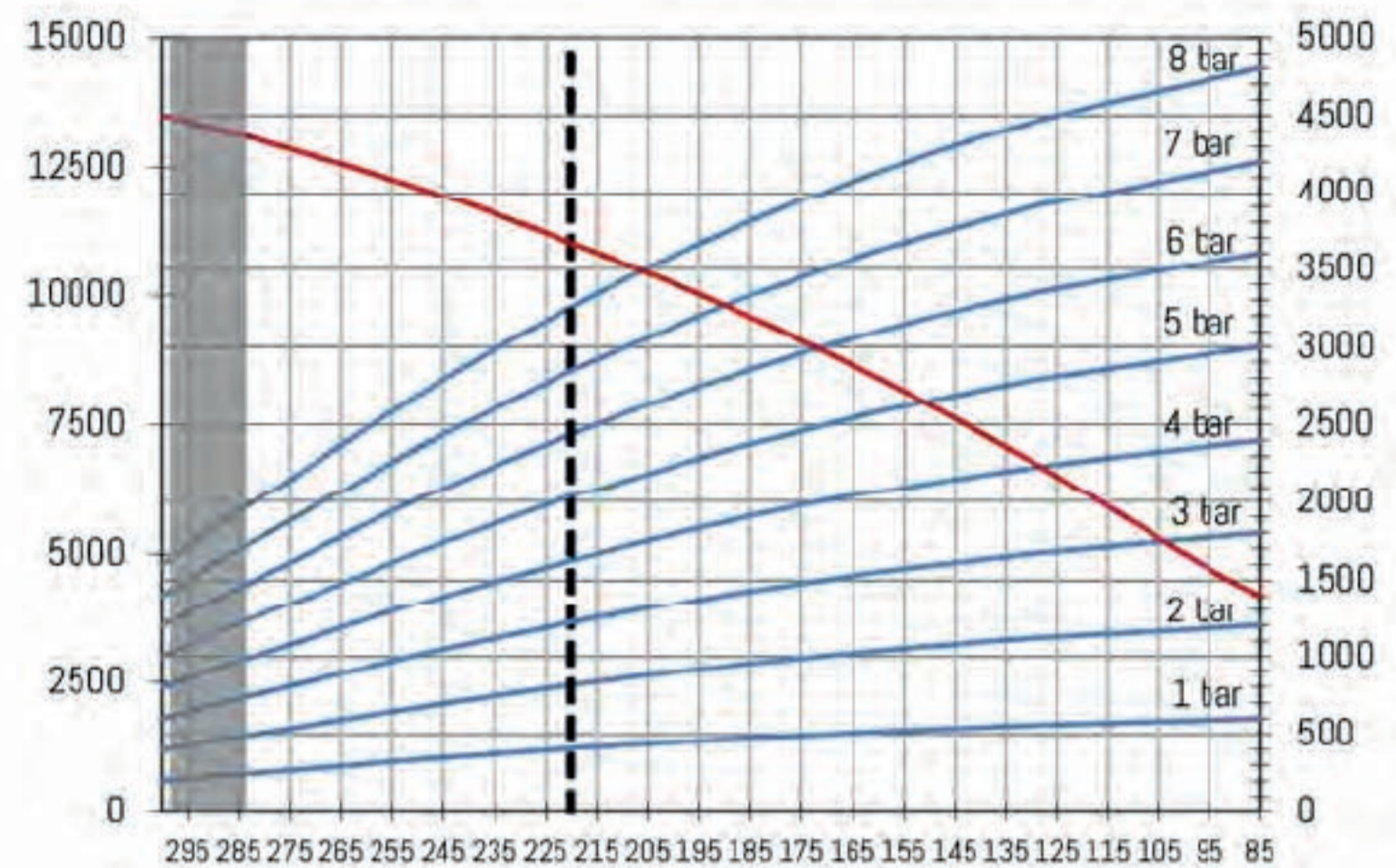
## Dynamic characteristics at H = 220 mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	815	1625	2440
Volume (dm <sup>3</sup> )	10,32	10,68	11,04
Stiffness (daN/mm)	11,0	19,40	27,6
Natural frequency (Hz)	1,83	1,72	1,68
Isolation rate at 10Hz %	95,5	96,9	97,1

\* Recommended height for better isolation

Volume in cm<sup>3</sup>

Load in daN



Volume

H Isolation

Height in mm

Temperatures

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

DBS122001 Crimped bellow 2 convolutes 12" x 2 air inlet G<sup>1/4</sup> shifted

## Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 6 bar
85 mm	1200	1800	2400	3000	3600	4200	4800	4200 cm <sup>3</sup>
100 mm	1170	1758	2345	2930	3515	4105	4690	5000 cm <sup>3</sup>
130 mm	1115	1670	2225	2785	3340	3900	4455	6800 cm <sup>3</sup>
160 mm	1035	1555	2070	2585	3100	3620	4135	8400 cm <sup>3</sup>
190 mm	935	1405	1870	2335	2800	3270	3735	9800 cm <sup>3</sup>
220 mm	815	1220	1625	2035	2440	2850	3255	11000 cm <sup>3</sup>
250 mm	670	1010	1345	1680	2015	2355	2690	12100 cm <sup>3</sup>
280 mm	510	765	1020	1275	1530	1785	2040	13000 cm <sup>3</sup>
285 mm	485	730	975	1215	1450	1700	1945	13130 cm <sup>3</sup>
300 mm	400	600	800	1000	1200	1400	1600	13500 cm <sup>3</sup>

## Mounting instructions

Fastening torque M8 x 1,25 : 25 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 10 daN.