

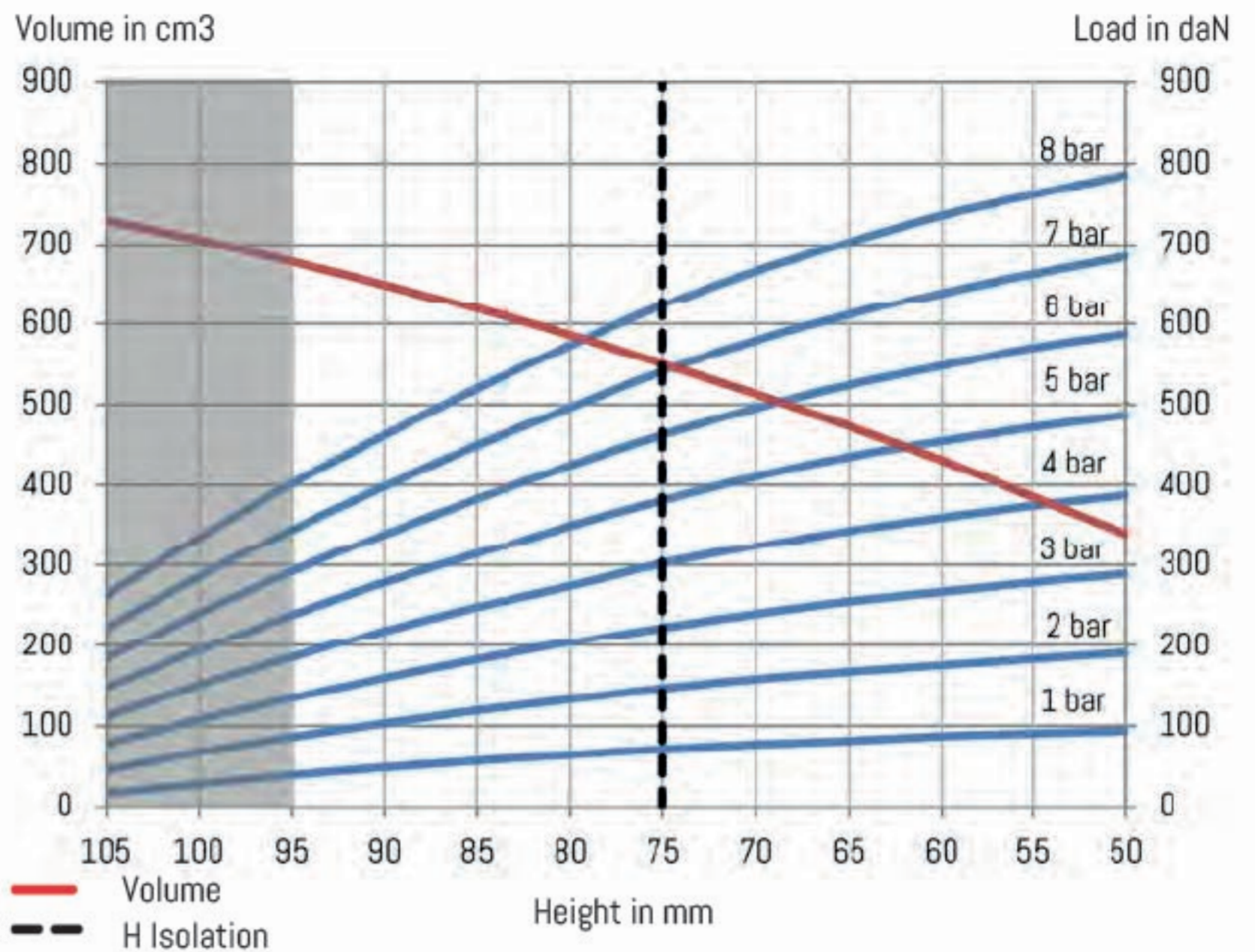
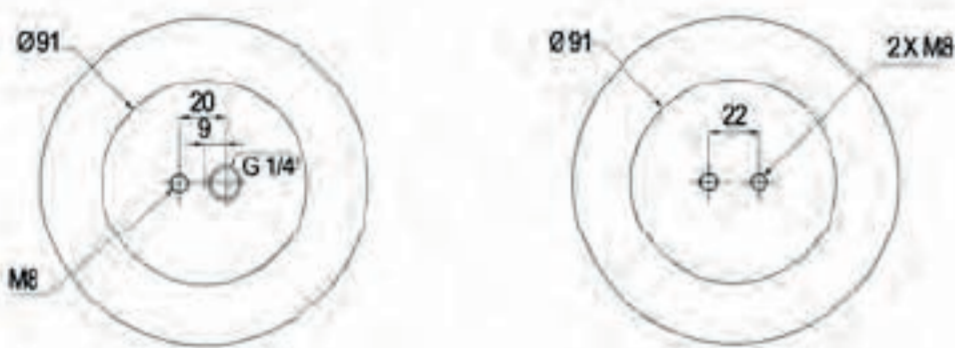
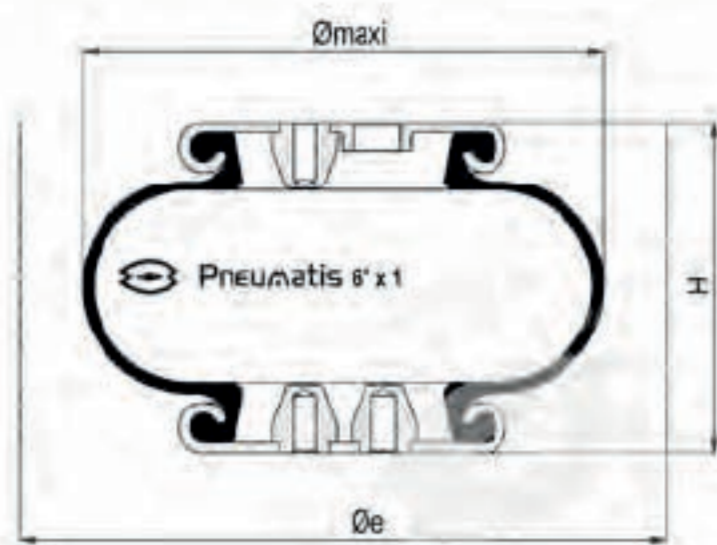
# Crimped bellow 6" x 1

DBS061002



PNEUMATIS

INDUSTRY



## Technical characteristics

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

Static diameter	135 mm
Maximum diameter	145 mm
Minimum overall diameter (Øe)	180 mm
Minimum height	50 mm
Static height (H)	80 mm
Maximum height	105 mm
Maximum recommended height	95 mm
Total stroke	55 mm
Effective area at static height	69 cm <sup>2</sup>
Stiffness at 4 bar	10,52 daN/mm
Natural frequency at 4 bar	3,09 Hz
Weight	0,85 kg

## Dynamic characteristics at H = 75mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	146	302	462
Volume (dm <sup>3</sup> )	0,55	0,55	0,55
Stiffness (daN/mm)	7,00	11,56	18,00
Natural frequency (Hz)	3,14	3,10	3,07
Isolation rate at 10Hz %	89,1	89,4	89,6

\* Recommended height for better isolation

## Temperatures

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

DBS061002	Crimped bellow 1 convolute 6"x1 air inlet G1/4 shifted
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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
50 mm	191	289	388	487	587	685	786	340 cm <sup>3</sup>
55 mm	183	279	375	472	570	663	762	386 cm <sup>3</sup>
60 mm	175	267	360	455	548	640	736	431 cm <sup>3</sup>
65 mm	167	256	344	435	524	611	703	473 cm <sup>3</sup>
70 mm	158	240	324	411	495	579	667	513 cm <sup>3</sup>
75 mm	146	223	302	382	462	541	624	550 cm <sup>3</sup>
80 mm	133	204	274	350	424	496	573	586 cm <sup>3</sup>
85 mm	119	183	249	314	383	450	520	619 cm <sup>3</sup>
90 mm	103	159	219	279	339	399	462	650 cm <sup>3</sup>
95 mm	86	134	185	239	292	345	402	679 cm <sup>3</sup>
100 mm	67	108	151	194	241	286	335	706 cm <sup>3</sup>
105 mm	45	77	111	148	184	222	263	730 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 1,5 daN.