

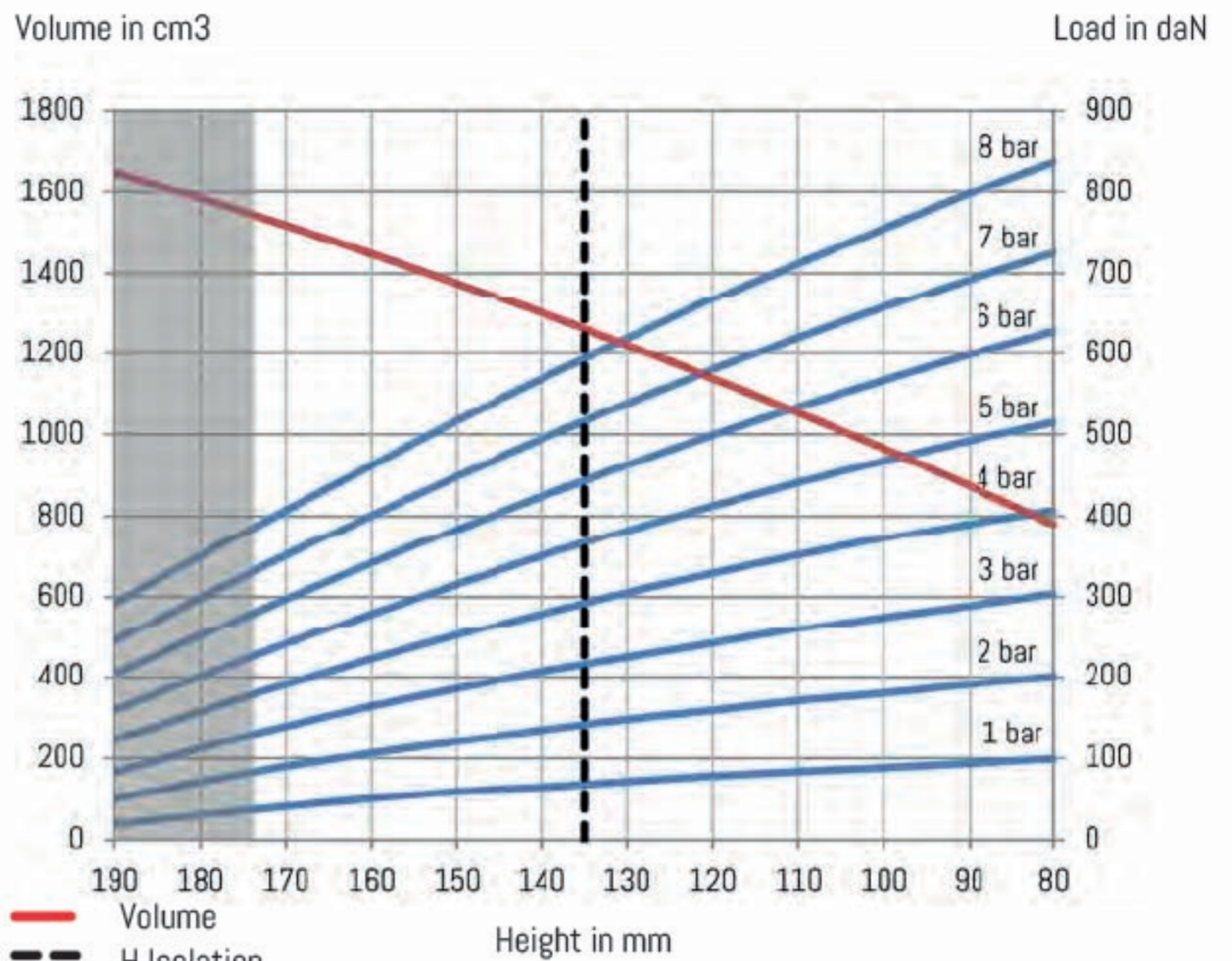
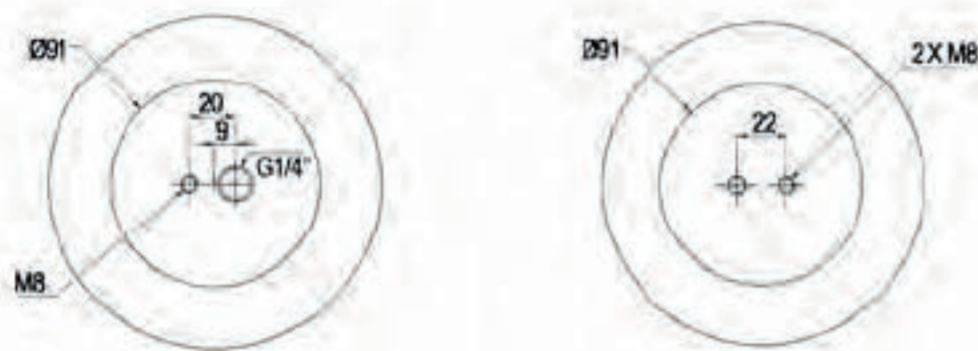
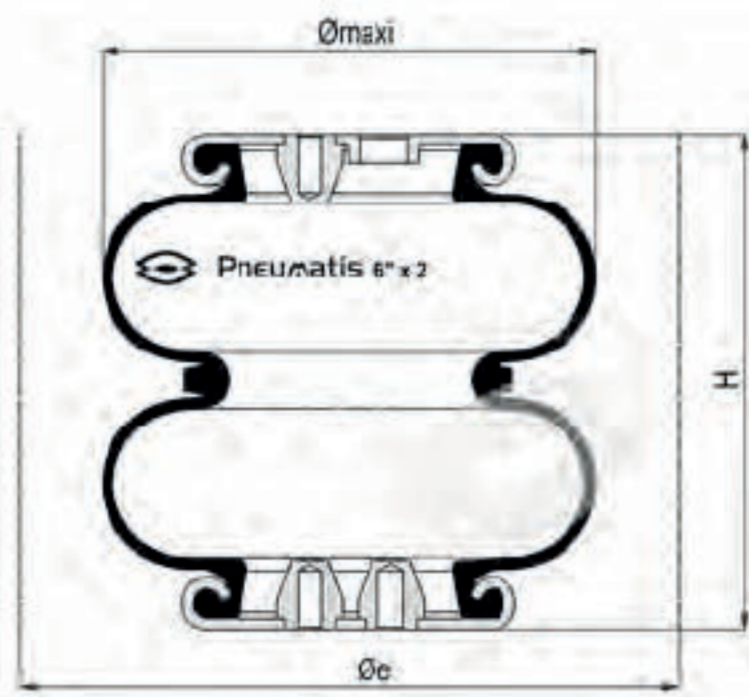
# Crimped bellow 6" x 2

DBS062002



PNEUMATIS

INDUSTRY



## Technical characteristics

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

Static diameter	150 mm
Maximum diameter	150 mm
Minimum overall diameter (Øe)	180 mm
Minimum height	80 mm
Static height (H)	135 mm
Maximum height	190 mm
Maximum recommended height	175 mm
Total stroke	110 mm
Effective area at static height	73 cm <sup>2</sup>
Stiffness at 4 bar	6,63 daN/mm
Natural frequency at 4 bar	2,34 Hz
Weight	1,1 kg

## Dynamic characteristics at H = 135mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	141	292	443
Volume (dm <sup>3</sup> )	12,6	12,6	12,6
Stiffness (daN/mm)	4,17	6,63	10,22
Natural frequency (Hz)	2,39	2,34	2,30
Isolation rate at 10Hz %	93,9	94,2	94,4

\* Recommended height for better isolation

## Temperatures

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

DBS062002	Crimped bellow 2 convolutes 6"x2 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
80 mm	200	304	407	515	627	725	837	780 cm <sup>3</sup>
90 mm	190	289	390	492	598	692	798	874 cm <sup>3</sup>
100 mm	180	275	372	468	567	657	755	965 cm <sup>3</sup>
110 mm	171	260	351	441	534	619	712	1053 cm <sup>3</sup>
120 mm	159	242	329	412	499	580	667	1138 cm <sup>3</sup>
130 mm	148	224	305	382	462	538	618	1220 cm <sup>3</sup>
135 mm	141	215	292	366	443	516	593	1260 cm <sup>3</sup>
140 mm	135	206	279	350	424	494	568	1300 cm <sup>3</sup>
150 mm	121	185	252	315	383	448	517	1375 cm <sup>3</sup>
160 mm	106	164	222	279	341	401	462	1448 cm <sup>3</sup>
170 mm	90	139	191	241	297	351	407	1518 cm <sup>3</sup>
175 mm	81	126	174	221	274	325	378	1551 cm <sup>3</sup>
180 mm	71	112	157	201	251	299	350	1584 cm <sup>3</sup>
190 mm	50	83	122	159	203	244	292	1650 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 2,5 daN.