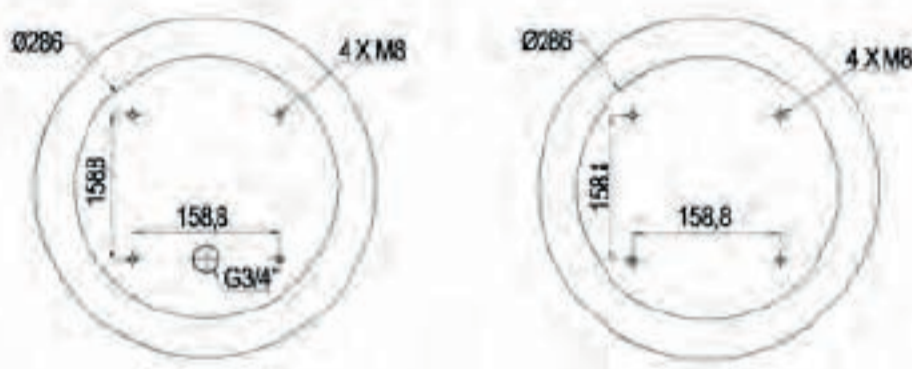
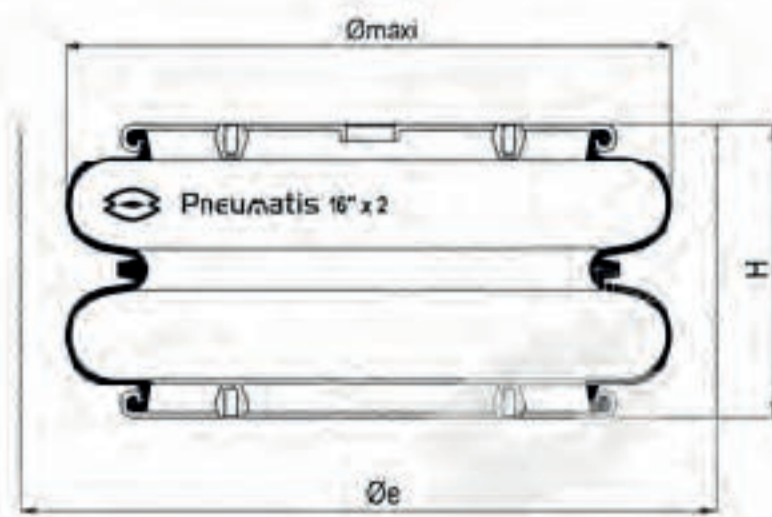


Crimped bellow 16" x 2

DBS162001



INDUSTRY



Technical characteristics

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

Static diameter	350 mm
Maximum diameter	370 mm
Minimum overall diameter (Øe)	400 mm
Minimum height	90 mm
Static height (H)	175 mm
Maximum height	260 mm
Maximum recommended height	230 mm
Total stroke	170 mm
Effective area at static height	715 cm ²
Stiffness at 4 bar	39,13 daN/mm
Natural frequency at 4 bar	1,85 Hz
Weight	6,2 kg

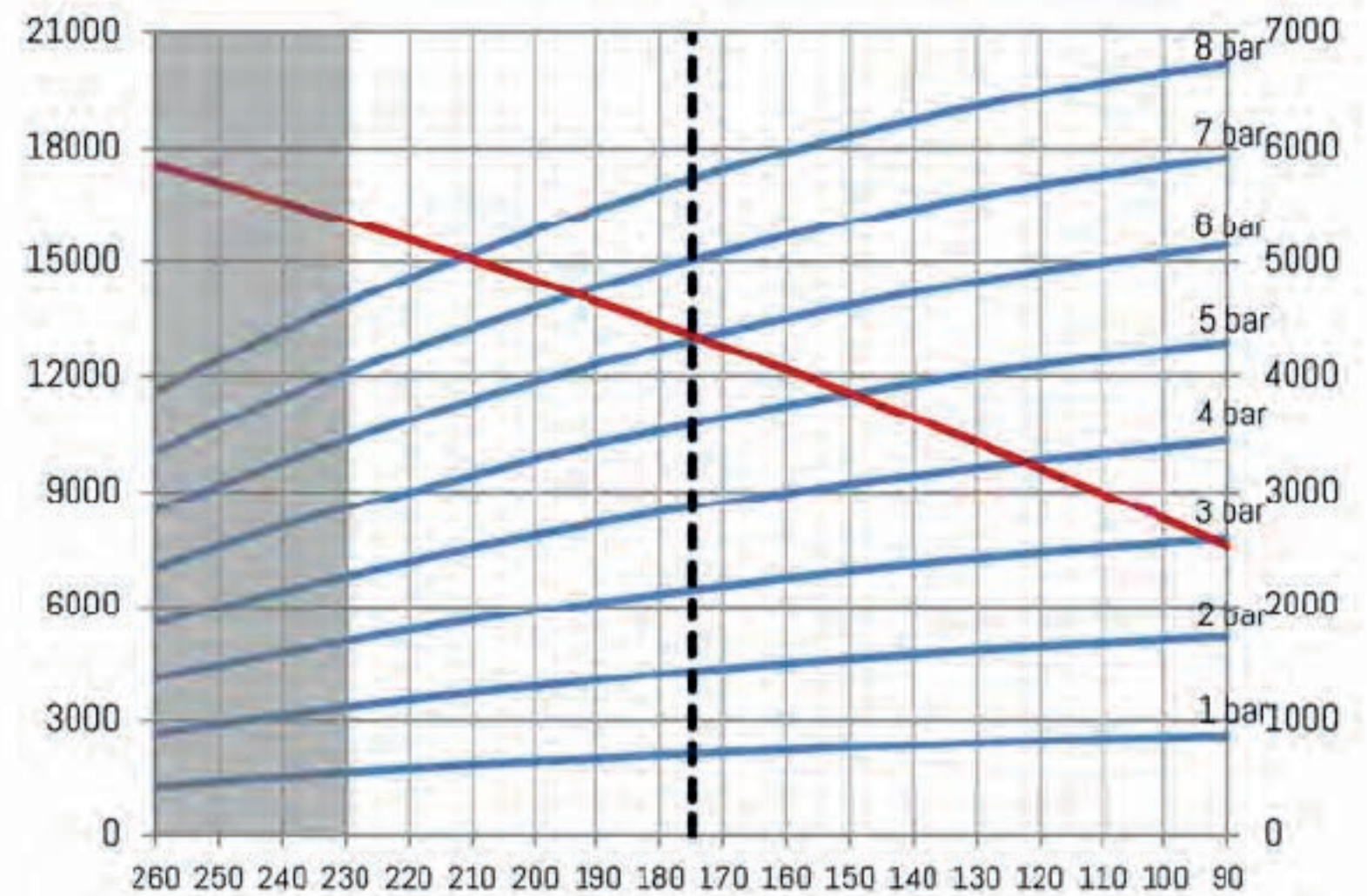
Dynamic characteristics at H = 175mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1423	2860	4314
Volume (dm ³)	130,8	130,8	130,8
Stiffness (daN/mm)	20,2	39,13	58,09
Natural frequency (Hz)	1,88	1,85	1,83
Isolation rate at 10Hz %	96,3	96,5	96,5

* Recommended height for better isolation

Volume in cm³

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

DBS162001 Crimped bellow 2 convolutes 16" x 2 air inlet G^{3/4} shifted

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
90 mm	1723	2583	3443	4295	5137	5913	6733	7551 cm ³
105 mm	1681	2524	3356	4194	5026	5799	6611	8602 cm ³
120 mm	1638	2463	3275	4095	4910	5672	6470	9619 cm ³
135 mm	1589	2390	3175	3978	4774	5522	6304	10604 cm ³
150 mm	1532	2308	3072	3845	4618	5349	6109	11556 cm ³
165 mm	1468	2224	2949	3695	4441	5152	5889	12476 cm ³
175 mm	1423	2156	2860	3588	4314	5008	5727	13071 cm ³
180 mm	1397	2110	2813	3528	4245	4932	5643	13363 cm ³
195 mm	1318	1996	2663	3353	4028	4688	5367	14217 cm ³
210 mm	1236	1870	2502	3142	3791	4421	5059	15039 cm ³
225 mm	1142	1734	2321	2924	3533	4131	4746	15827 cm ³
230 mm	1107	1824	2255	2845	3439	4024	4625	16085 cm ³
240 mm	1039	1584	2130	2690	3256	3817	4396	16584 cm ³
255 mm	927	1423	1918	2428	2948	3473	4008	17307 cm ³
260 mm	886	1362	1838	2330	2834	3342	3862	17541 cm ³

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.

