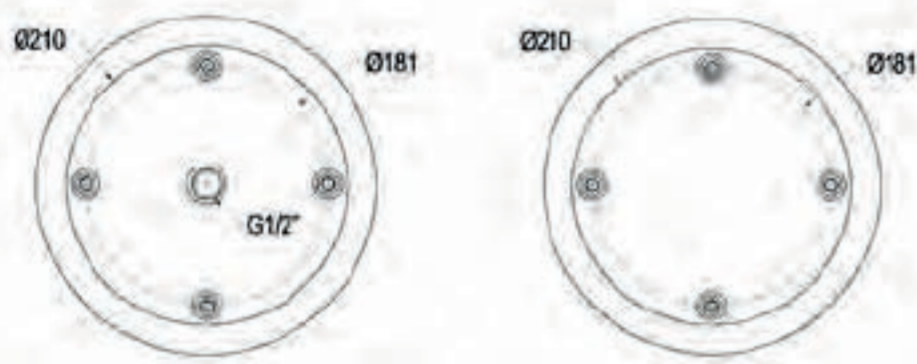
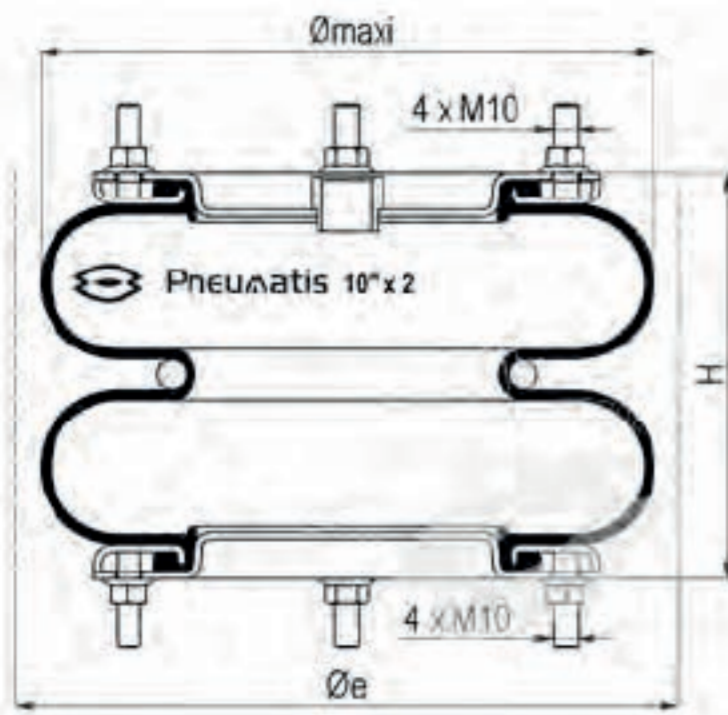


Bellow 10" x 2 steel

DB1028/E

INDUSTRY



Technical characteristics

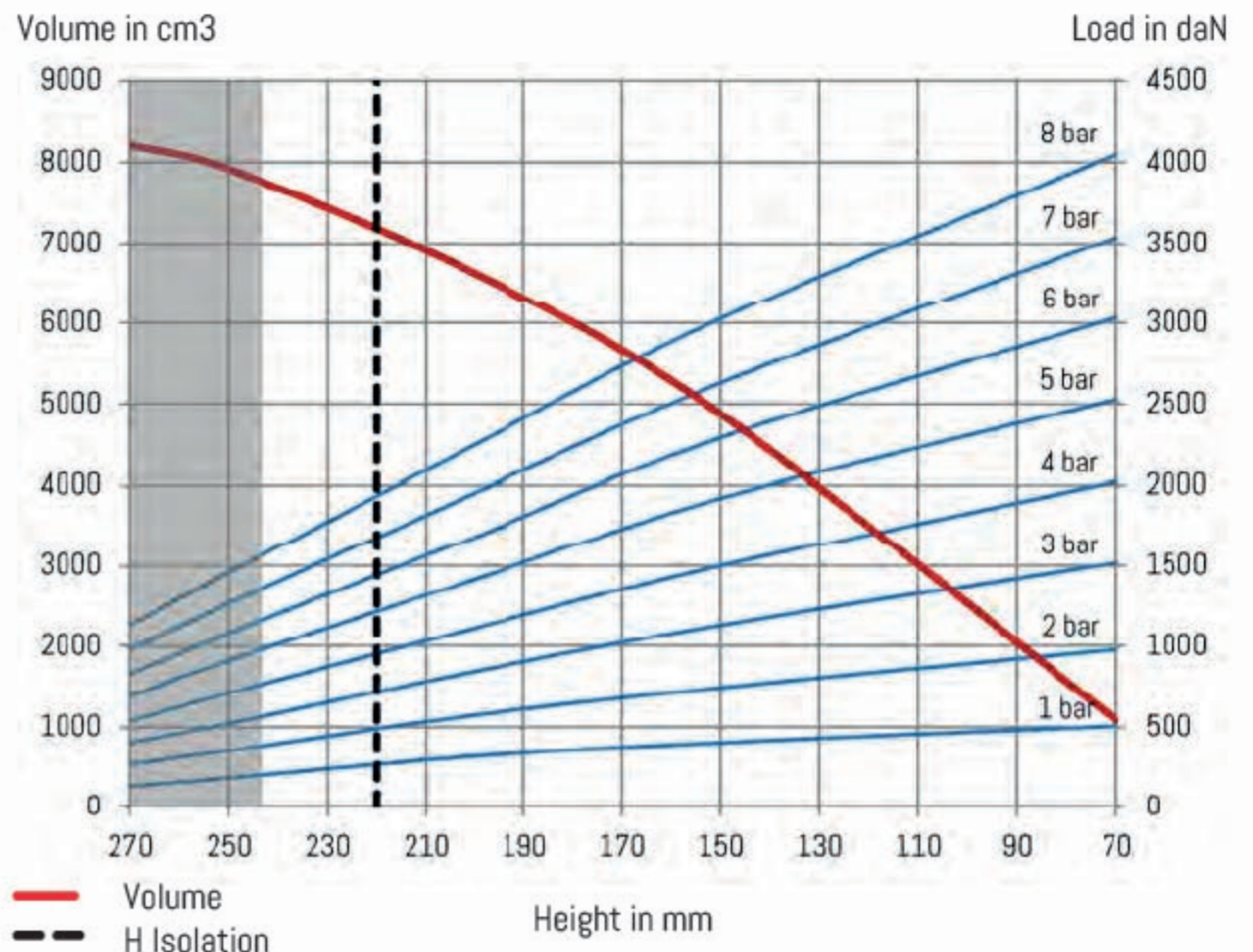
Maximum pressure	8 bar
Burst pressure	24 bar
Maximum angular capacity	15°
Maximum out of alignment	10 mm

Static diameter	254 mm
Maximum diameter	280 mm
Minimum overall diameter (Øe)	300 mm
Minimum height	70 mm
Static height (H)	170 mm
Maximum height	270 mm
Maximum recommended height	245 mm
Total stroke	200 mm
Effective area at static height	340 cm ²
Stiffness at 4 bar	28,00 daN/mm
Natural frequency at 4 bar	1,95 Hz
Weight	5,0 kg

Dynamic characteristics at H = 220mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	470	960	1455
Volume (dm ³)	6,22	6,44	6,67
Stiffness (daN/mm)	70,2	125,4	178,8
Natural frequency (Hz)	1,93	1,80	1,75
Isolation rate at 10Hz %	96,1%	96,6%	96,8%

* Recommended height for better isolation



Temperatures

Epichlore	-20°C (-30°C static)	+115°C (+120°C static)
-----------	----------------------	------------------------

References

DB1028/E	Bellow 2 convolutes 10" x 2 Epichlore steel bolted air inlet G ^{1/2} centered
----------	--

Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
70	978	1 517	2 022	2 528	3 034	3 539	4 050	1083
150	742	1 129	1 500	1 921	2 292	2 629	3 028	4875
170	678	1 017	1 346	1 721	2 051	2 362	2 721	5642
200	573	843	1 112	1 416	1 685	1 955	2 251	6625
220	487	723	957	1 231	1 464	1 692	1 954	7184
245	381	565	749	964	1 148	1 338	1 545	7771
250	354	522	708	910	1 079	1 264	1 459	7917
270	270	404	539	691	826	978	1 128	8208

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.