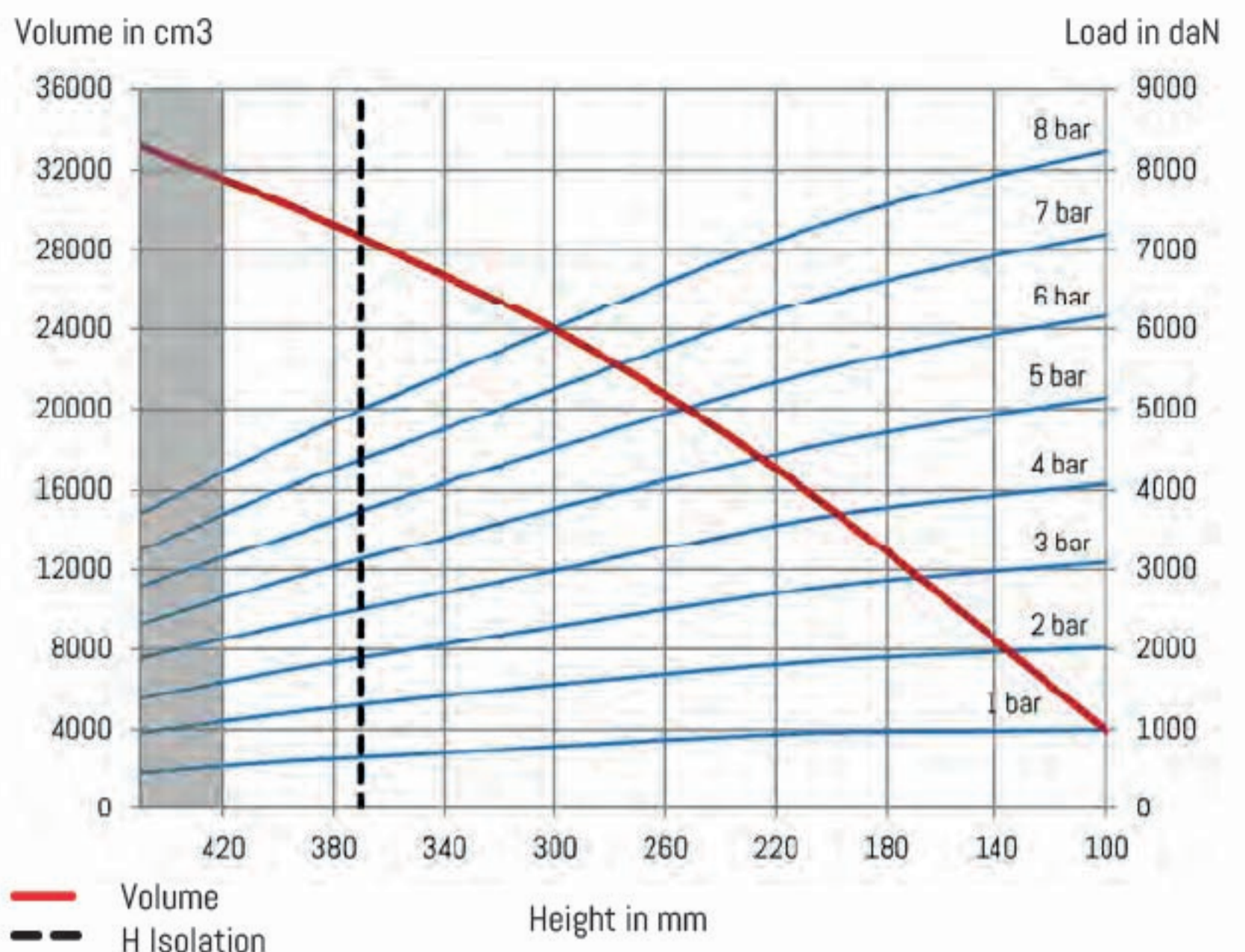
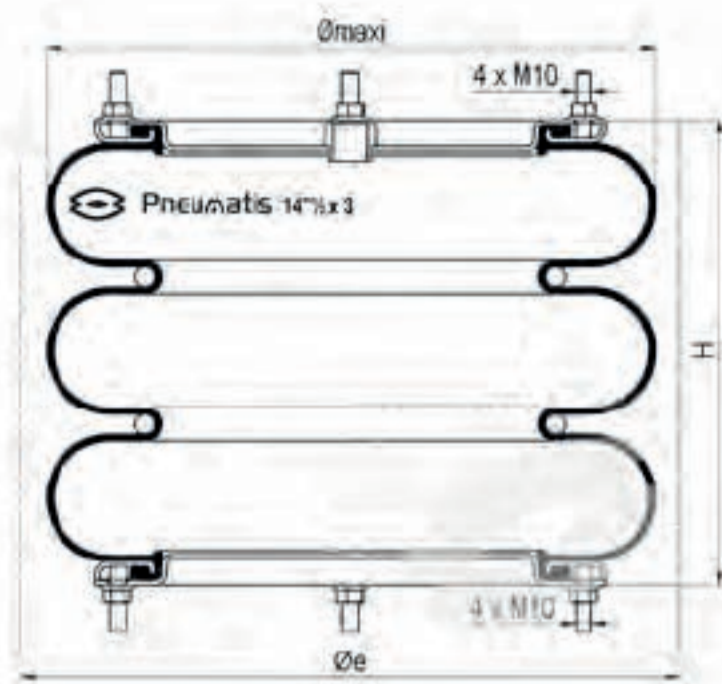


Bellow 14" ½ x 3 steel

DB14312/E

INDUSTRY



Technical characteristics

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

Static diameter	368 mm
Maximum diameter	395 mm
Minimum overall diameter (Øe)	425 mm
Minimum height	100 mm
Static height (H)	280 mm
Maximum height	450 mm
Maximum recommended height	420 mm
Total stroke	350 mm
Effective area at static height	800 cm²
Stiffness at 4 bar	32 daN/mm
Natural frequency at 4 bar	1,4 Hz
Weight	10 kg

Dynamic characteristics at H = 370mm*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1110	2235	3365
Volume (dm³)	26,07	26,97	27,86
Stiffness (daN/mm)	92	163	233
Natural frequency (Hz)	1,43	1,35	1,31
Isolation rate at 10Hz %	97,9%	98,1%	98,2%

* Recommended height for better isolation

Temperatures

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

References

DB14312/E Bellow 3 convolutes 14" ½ x 3 2 ply 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
100	2 021	3 090	4 076	5 141	6 165	7 201	8 235	3945
150	1 952	2 955	3 903	4 884	5 873	6 863	7 845	9562
200	1 862	2 794	3 692	4 585	5 516	6 443	7 360	15064
250	1 725	2 550	3 355	4 200	5 042	5 887	6 734	19847
280	1 633	2 404	3 2158	3 957	4 745	5 536	6 330	22302
300	1 561	2 284	2 989	3 775	4 516	5 256	6 012	23992
350	1 384	2 007	2 642	3 320	3 975	4 631	5 288	27388
370	1 312	1 905	2 524	3 146	3 772	4 402	5 029	28806
400	1 194	1 725	2 284	2 847	3 394	3 990	4 545	30449
420	1 098	1 585	2 126	2 635	3 161	3 691	4 211	31642
450	963	1 386	1 896	2 317	2 793	3 258	3 708	33180

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 29 daN.

