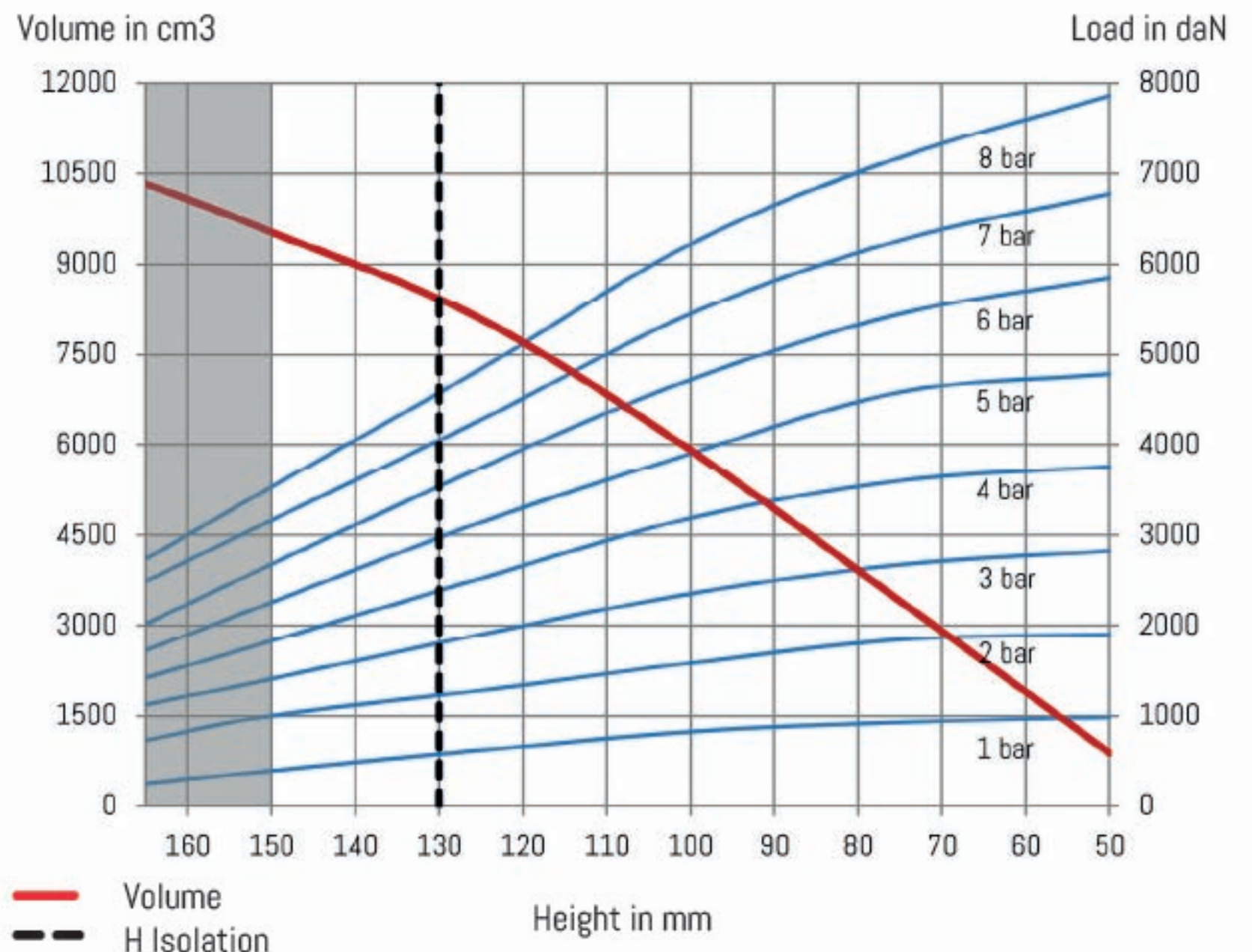
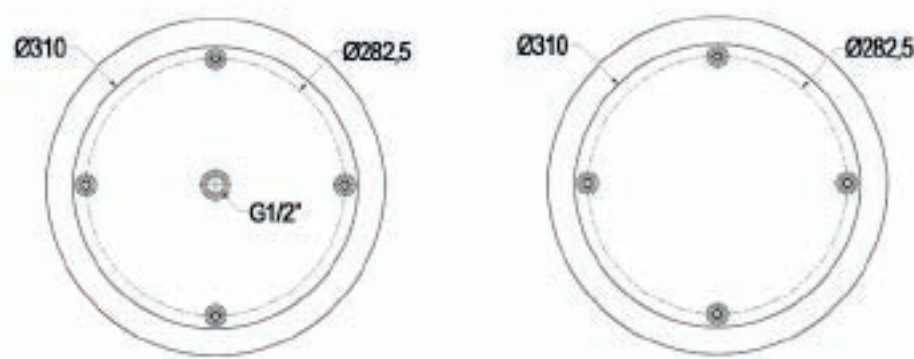
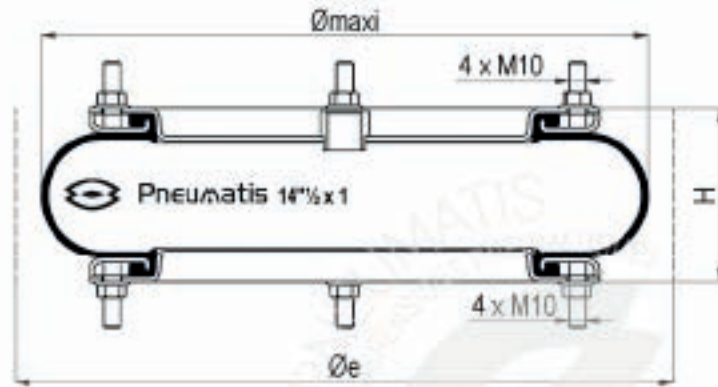


# Bellow 14" ½ x 1 Stainless steel

DB14111

INDUSTRY



## Technical characteristics

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

Static diameter	368 mm
Maximum diameter	395 mm
Minimum overall diameter (Øe)	425 mm
Minimum height	50 mm
Static height (H)	110 mm
Maximum height	165 mm
Maximum recommended height	150 mm
Total stroke	115 mm
Effective area at static height	710 cm²
Stiffness at 4 bar	112 daN/mm
Natural frequency at 4 bar	2,60 Hz
Weight	6,90 kg

## Dynamic characteristics at H = 130mm\*

Pressure	2 bar	4 bar	6 bar
Load (daN)	1325	2635	3940
Volume (dm³)	8,66	8,97	9,28
Stiffness (daN/mm)	328	559	784
Natural frequency (Hz)	2,48	2,30	2,22
Isolation rate at 10Hz %	93,4%	94,4%	94,8%

\* Recommended height for better isolation

## Temperatures

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

## References

DB14111	Bellow 1 convolute 14" ½ x 1 Stainless steel bolted air inlet G1/2" centered
---------	--

## Characteristics in static condition (daN)

Height	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	Vol 5 bar
50	1 901	2 826	3 759	4 785	5 847	6 771	7 856	883
75	1 843	2 673	3 602	4 581	5 447	6 266	7 181	3411
100	1 584	2 354	3 189	3 902	4 721	5 449	6 223	5911
110	1 493	2 186	2 942	3 648	4 361	5 002	5 688	6780
130	1 257	1 842	2 457	3 028	3 602	4 165	4 699	8298
125	1 282	1 902	2 523	3 143	3 748	4 277	4 841	8087
150	1 002	1 409	1 830	2 258	2 679	3 166	3 534	9535
165	730	1 122	1 420	1 724	2 018	2 492	2 736	10331

## 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 8 daN.