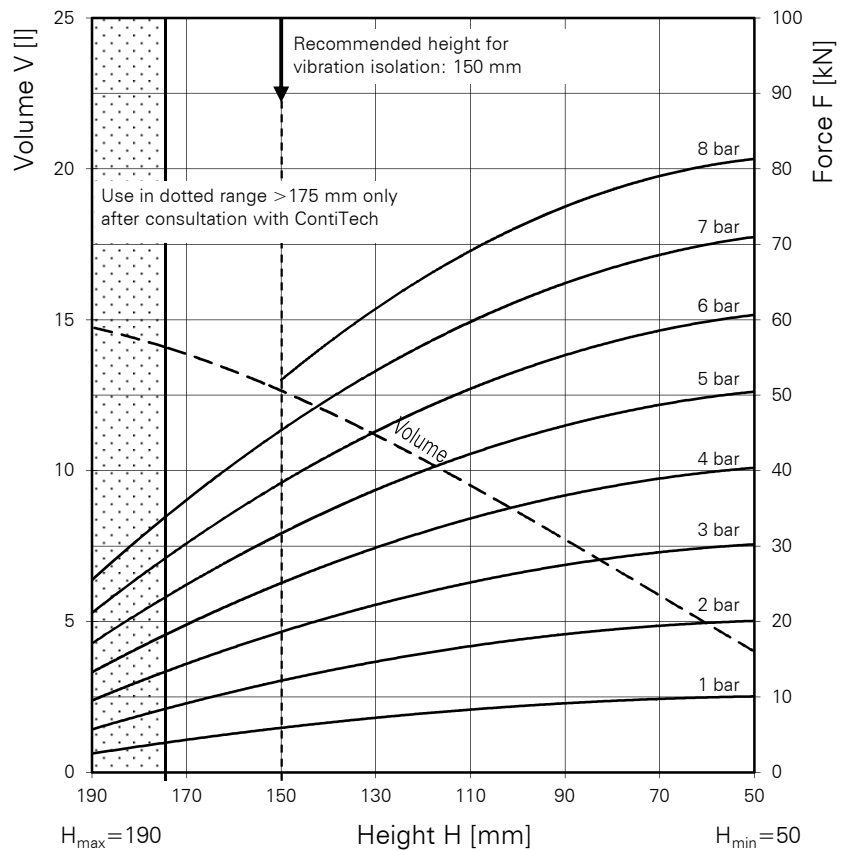
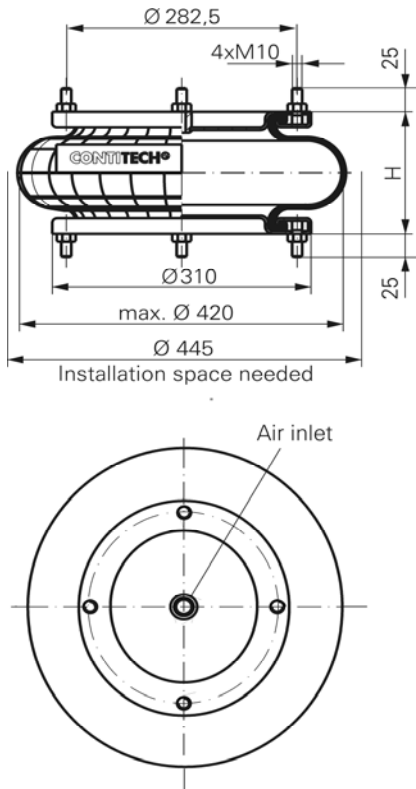


FS 816-15 DS

Single Convolution Air Spring



Purchase order data

Type	Order No.
Rubber bellows only	69687
With removable plates and G 1/2 air inlet	70043

Additional types on request

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 30 N
Overall weight with metal plates	7.6 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 150mm, minimum 130mm

Pressure p [bar]	3	4	5	6	7	8	Vol. V [l]	
Force (Load) [kN]	18.9	25.3	32.0	38.5	45.0	51.3		12.7
Spring rate [N/cm]	3820	4855	5890	6925	7960	8915		
Natural frequency [Hz]	2.2	2.2	2.1	2.1	2.1	2.1		

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]	
Height H [mm]	170	14.5	19.6	24.9	30.4	36.1		13.8
	130	22.0	29.4	37.0	44.7	52.7		11.2
	100	26.5	35.4	44.4	53.4	62.7		8.6
	80	28.7	38.3	47.9	57.6	67.4		6.8
	60	30.1	40.1	50.1	60.2	70.5		4.9



Service instructions
M10 = 25 Nm
G 1/2 = 25 Nm

Measuring procedure: Room temperature / Force- height- data quasistatic / Dynamic data at 1 Hz