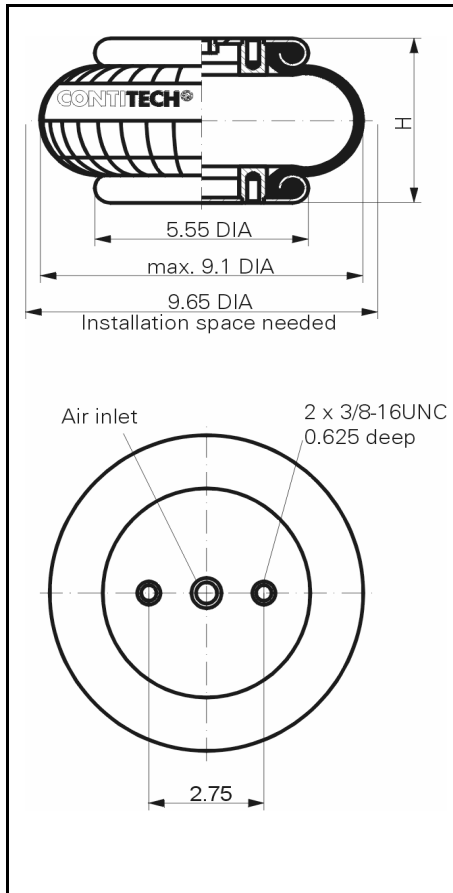
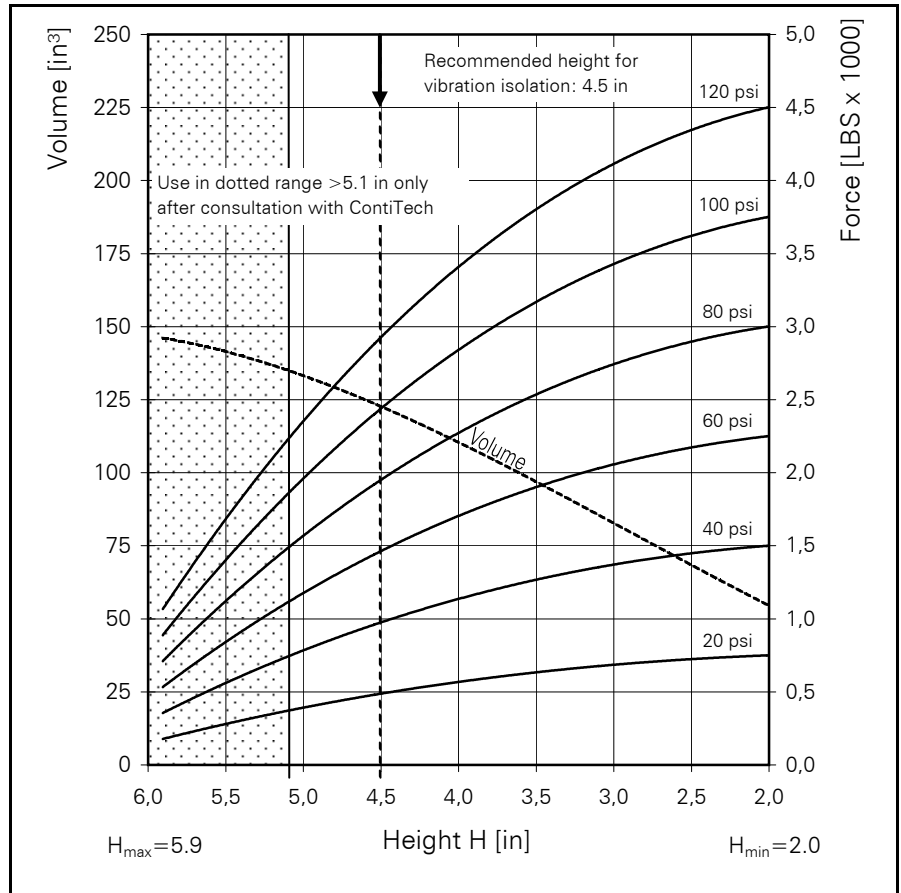


FS 120-10

CONTI® Single Convolution Air Spring



FS 120-10



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	62828
With clamped plates 1/4 NPT air inlet	63008
With clamped plates 3/4 NPT air inlet	on request

Additional types on request

Technical data

Min. pressure	0 psi
Return force to min. height	≤ 45 lbs
Overall weight with clamped plates	4.2 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 4.5 inch, minimum 3.9 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in ³]
Force (Load) [lbs]	970	1450	1940	2420	2910		123
Spring rate [lbs/in]	693	1004	1316	1558	1866		
Natural frequency [Hz]	2.7	2.6	2.6	2.5	2.5		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in ³]	
Height H [in]	5	390	790	1180	1580	1970	2360	133
	4.5	480	970	1450	1940	2420	2910	123
	4.0	570	1130	1700	2270	2830	3400	111
	3.5	630	1260	1890	2530	3160	3790	96
	3.0	690	1380	2060	2750	3440	4130	83
	2.5	720	1450	2170	2890	3620	4340	68



Service instructions

3/8-16 UNC = 15-20 LBxFT

1/4 NPT = 12-15 LBxFT