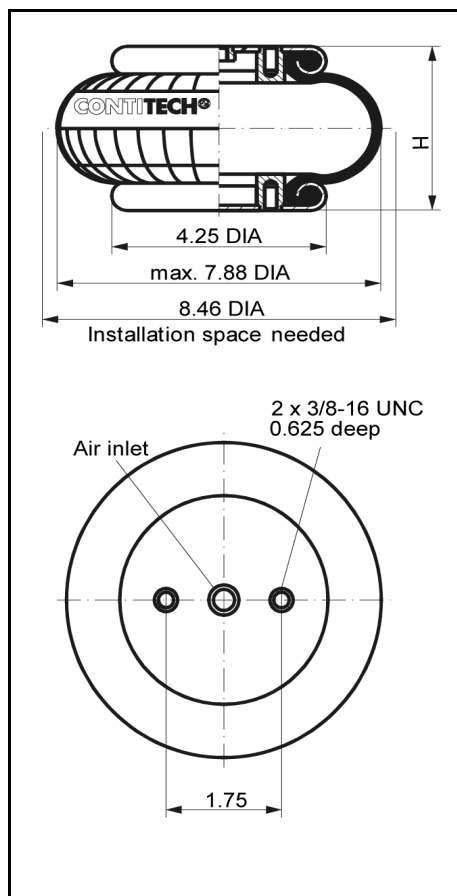
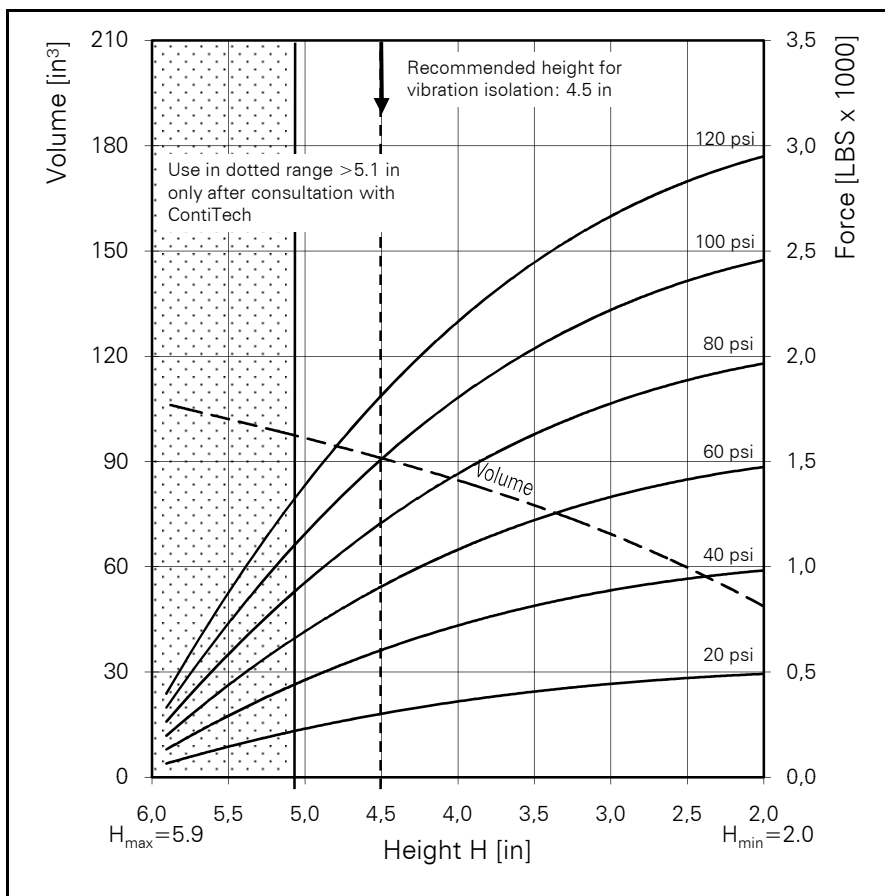


FS 70-9

CONTI® Single Convolution Air Spring



FS 70-9



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	62168
With clamped plates 1/4 NPT air inlet	62385
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	3.1 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 4.5 inch, minimum 4.0 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in ³]
Force (Load) [lbs]	620	930	1240	1550	1850		90
Spring rate [lbs/in]	449	655	844	1035	1211		
Natural frequency [Hz]	2.7	2.6	2.6	2.6	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]	5.0	230	460	690	910	1140	1370	96
	4.5	300	600	910	1210	1510	1810	91
	4.0	360	720	1080	1440	1800	2150	85
	3.5	410	820	1230	1630	2040	2450	77
	3.0	440	890	1330	1770	2210	2660	69
	2.5	470	940	1410	1880	2350	2820	60



Service instructions

3/8-16 UNC = 15-20 LBxFT

1/4 NPT = 12-15 LBxFT