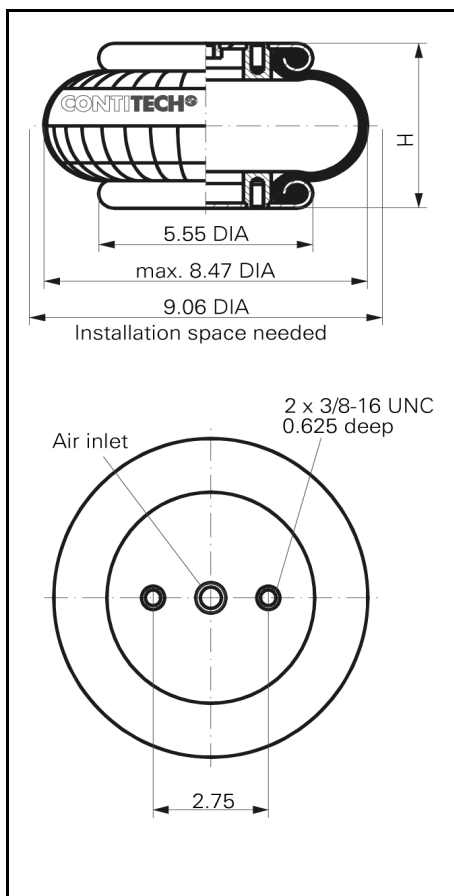
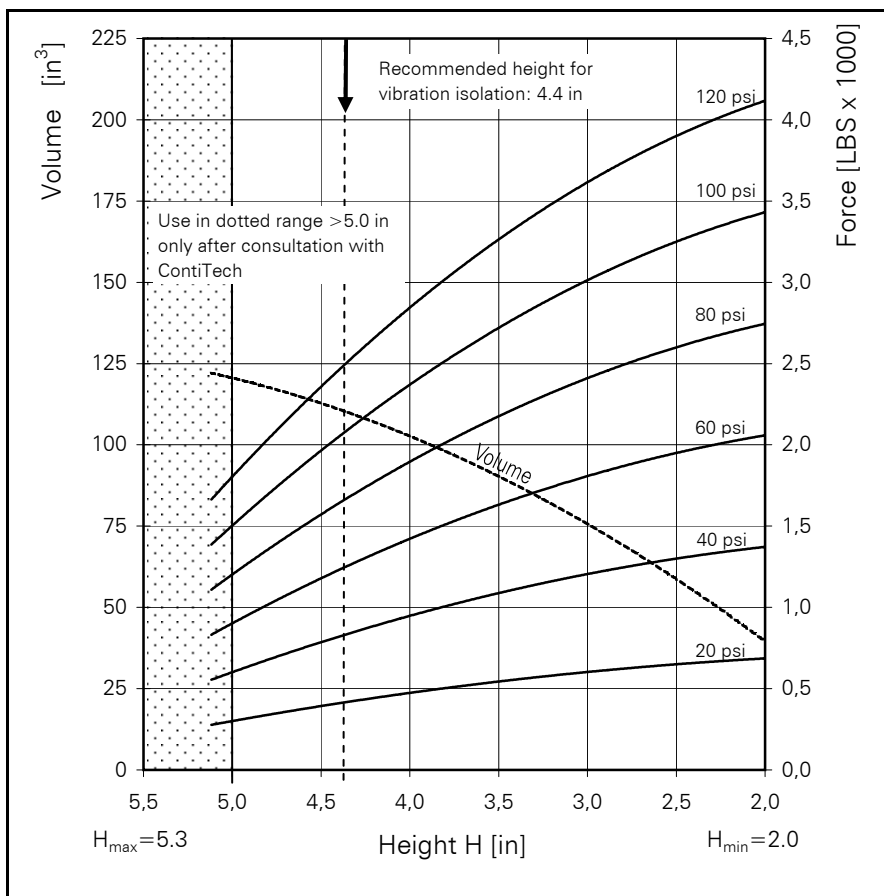


FS 120-9

CONTI® Single Convolution Air Spring



FS 120-9



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	60479
With clamped plates	On request
3/4 NPTF air inlet	

Additional types on request

Technical data

Min. pressure	0 psi
Return force to min. height	≤ 45 lbs
Overall weight with clamped plates	4.5 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 4.4 inch, minimum 3.5 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in ³]
Force (Load) [lbs]	820	1230	1640	2050	2460		111
Spring rate [lbs/in]	690	957	1213	1426	1677		
Natural frequency [Hz]	2.9	2.8	2.7	2.6	2.6		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in ³]	
Height H [in]	5	300	600	900	1200	1510	1810	120
	4	470	950	1420	1900	2370	2850	105
	3	600	1200	1800	2410	3010	3610	75
	2	690	1370	2060	2750	3430	4120	43



Service instructions

3/8-16 UNC = 15-20 LBxFT

3/4 NPTF = 40-50 LBxFT