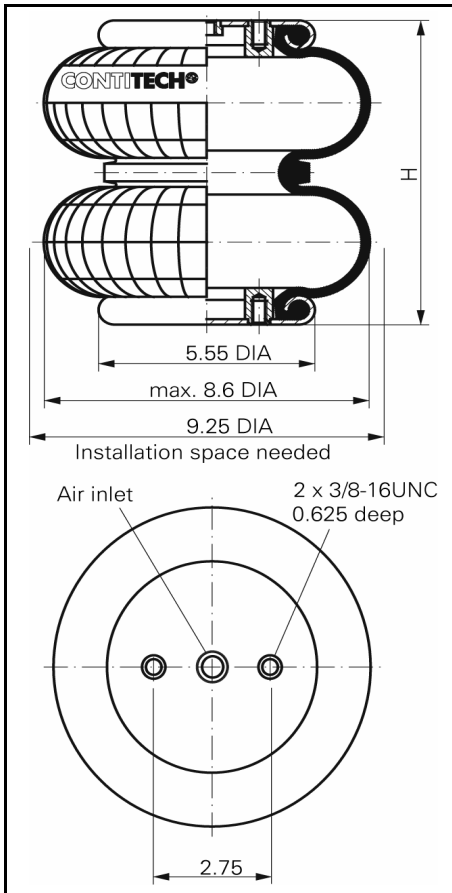
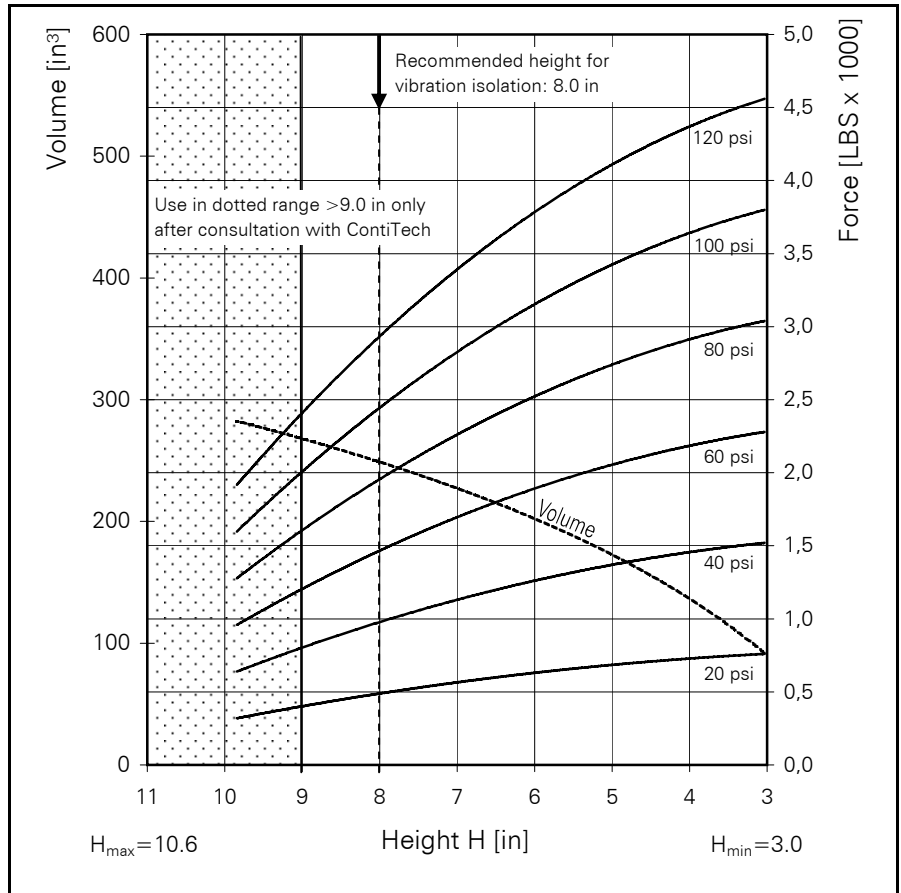


FD 120-20

CONTI® Double Convolution Air Spring



FD 120-20



Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	on request
With clamped plates 1/4 NPT air inlet	63254
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	5.1 lbs

Vibration isolation - dynamic characteristic values

Design height H: recommended 8,0 inch, minimum 7,5 inch

Pressure p [psi]	40	60	80	100	120		Vol. V [in <sup>3</sup> ]
Force (Load) [lbs]	970	1450	1940	2420	2910		250
Spring rate [lbs/in]	341	496	649	782	910		
Natural frequency [Hz]	1.8	1.8	1.8	1.8	1.8		

Pneumatic application - static characteristic values

Force F [lbs]

Pressure p [psi]	20	40	60	80	100	120	Vol [in <sup>3</sup> ]
Height H [in]	9.0	400	800	1200	1610	2010	270
	8.0	480	970	1450	1940	2420	250
	7.0	560	1120	1680	2230	2790	228
	6.0	630	1260	1890	2530	3160	197
	5.0	690	1380	2070	2760	3450	166
	4.0	730	1460	2200	2930	3660	135



Service instructions

3/8-16 UNC = 15-20 LBxFT

3/4 NPT = 40-50 LBxFT