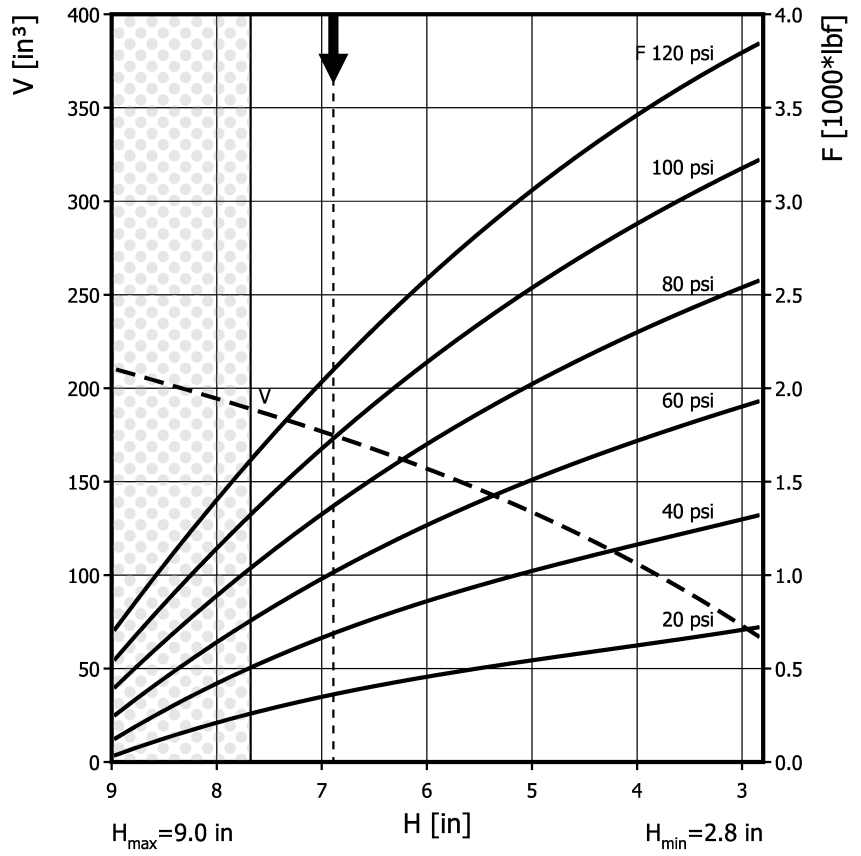
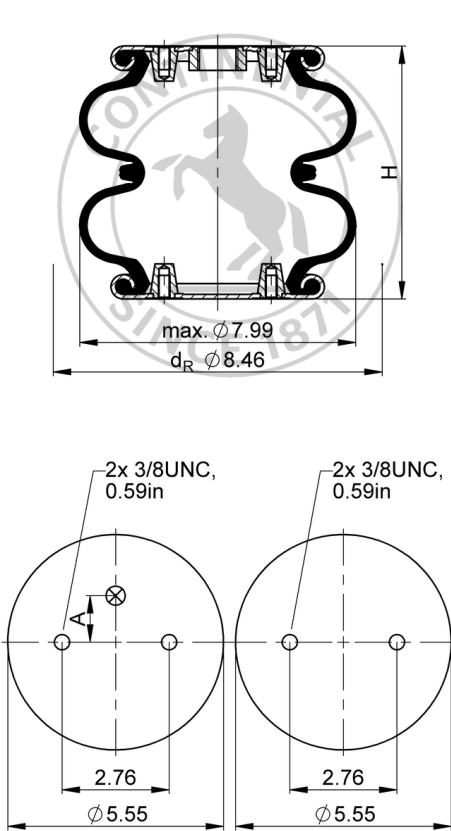


FD 110-15 CI

Double Convolution Air Actuator



Use in dotted range >7.68 in. only after consultation with ContiTech
 Recommended height for vibration isolation: 6.89 in.

Purchase order data
Technical data

Type	Order No.
rubber bellows only	61193
with crimped plates A = 0 in. excentrical	74568
with crimped plates, 3/4 NPT air inlet A = 0 in. excentrical	74590

Additional types on request

Min. pressure	0 psi
Return force to min height	≤ 45 lbf
Overall weight	4.6 lb

Vibration isolation - dynamic characteristic values

Design height H: recommended 6.89 inch, minimum 6.1 inch

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Force (Load)	[lbf]	677	1050	1400	1770	2140	174
Spring rate	[lbf/in.]	356	525	690	829	988	
Natural frequency	[Hz]	2.3	2.2	2.2	2.1	2.1	

Pneumatic application - static characteristic values

Force F [lbf]

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Height H [in.]	7.0	666	985	1330	1680	2040	180
	6.5	763	1130	1530	1920	2330	170
	6.0	857	1270	1710	2140	2590	160
	5.5	950	1400	1870	2350	2830	150
	5.0	1020	1500	2010	2520	3040	130
	4.5	1090	1610	2150	2700	3250	120
	4.0	1170	1720	2300	2880	3470	110
	3.5	1230	1810	2430	3040	3640	90
3.0	1300	1900	2540	3180	3800	73	

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


Service instructions
 3/8-16 UNC: max. 20 lbf ft
 3/4 NPT: max. 40 lbf ft