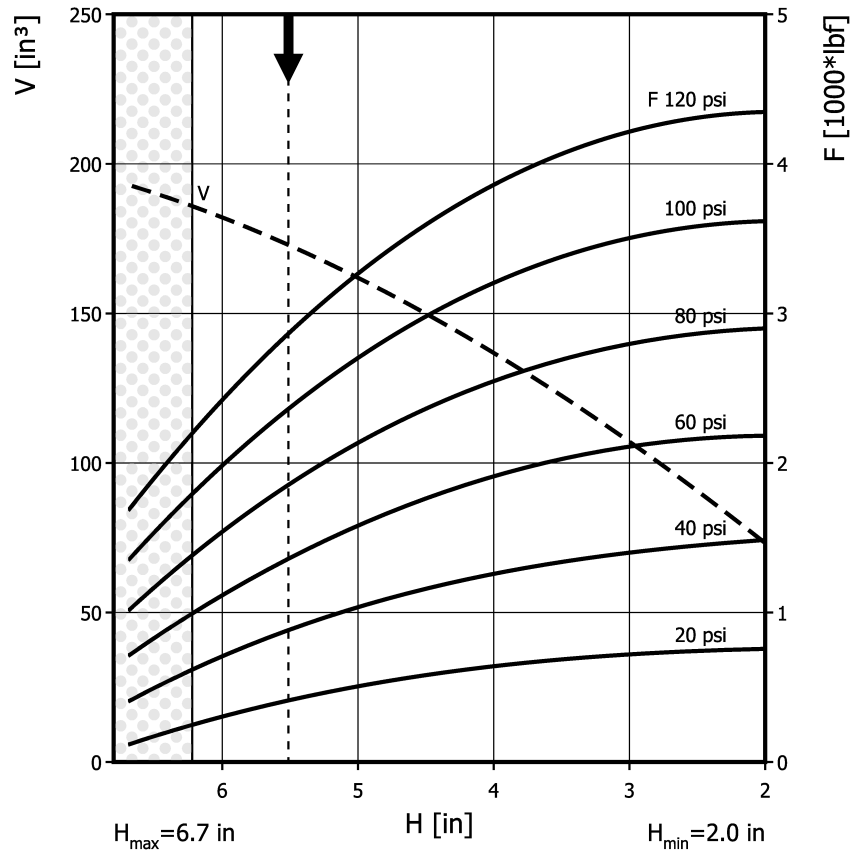
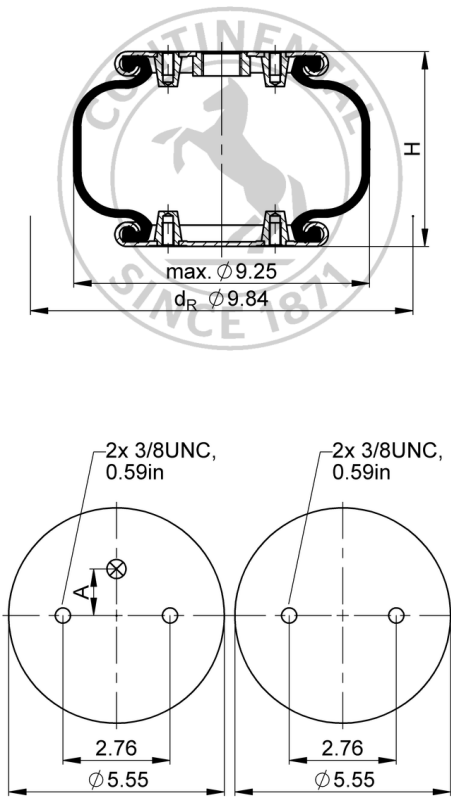


FS 120-12 CI

Single Convolution Air Actuator



Use in dotted range >6.22 in. only after consultation with ContiTech
 Recommended height for vibration isolation: 5.51 in.

Purchase order data

Type	Order No.
Rubber bellows only	on request
with crimped plates, 1/4 NPT air inlet A = 0 in. excentrical	63009
with crimped plates, 3/4 NPT air inlet A = 0 in. excentrical	73299

Additional types on request

Technical data

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 5.51 inch, minimum 4.92 inch

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Force (Load)	[lbf]	857	1350	1830	2300	2800	173
Spring rate	[lbf/in.]	622	850	1070	1300	1520	
Natural frequency	[Hz]	2.6	2.5	2.4	2.4	2.3	

Pneumatic application - static characteristic values

Force F [lbf]

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Height H [in.]	6.0	712	1130	1540	1980	2410	180
	5.5	889	1360	1860	2370	2870	170
	5.0	1030	1580	2130	2700	3270	160
	4.5	1150	1750	2360	2970	3590	150
	4.0	1250	1900	2540	3200	3850	140
	3.5	1350	2050	2690	3380	4060	120
	3.0	1400	2110	2790	3500	4210	110



Service instructions
 3/8-16 UNC: max. 20 lbf ft
 1/4 NPT: max. 20 lbf ft
 3/4 NPT: max. 40 lbf ft

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