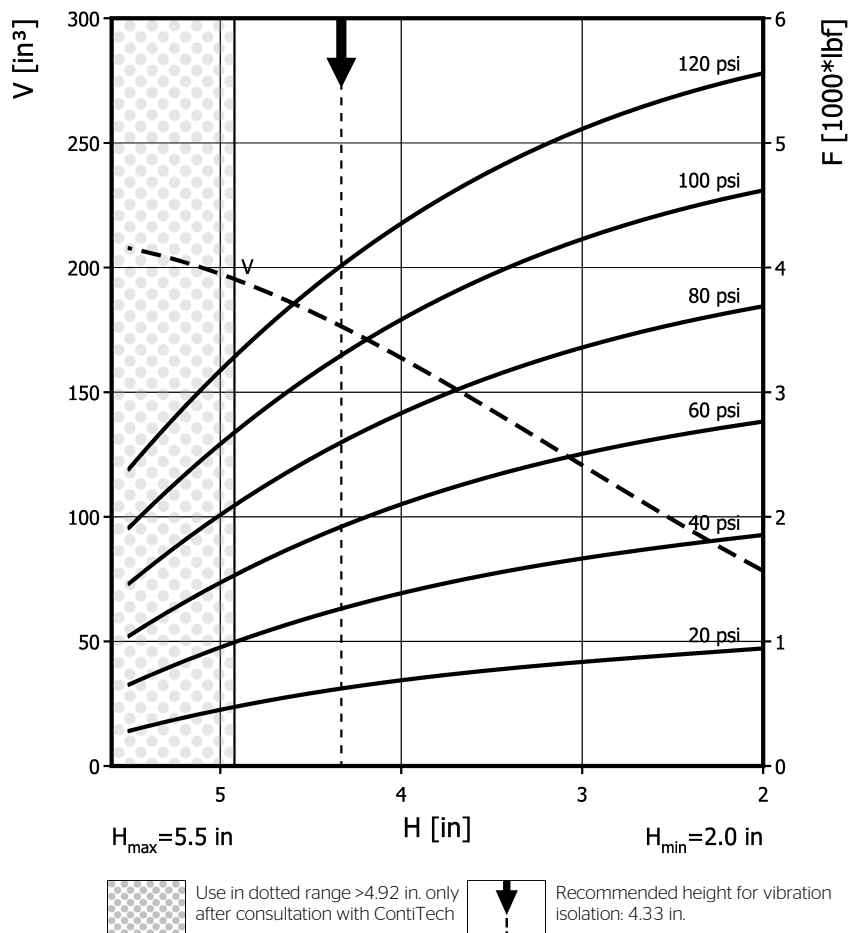
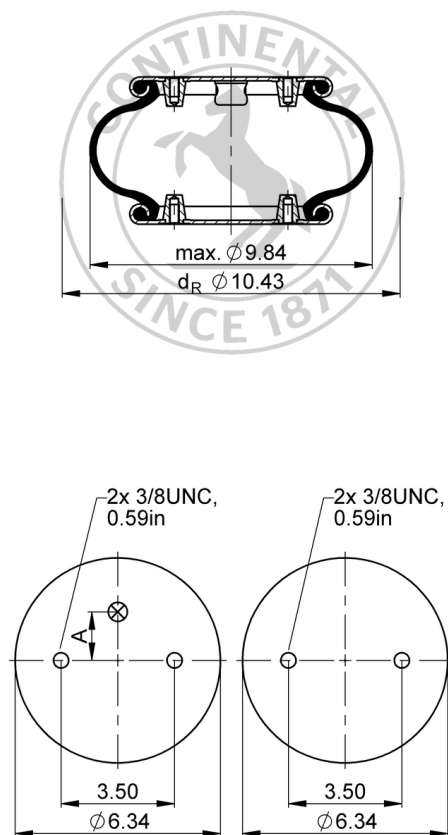


FS 200-10 CI

Single Convolution Air Actuator



Purchase order data

Type	Order No.
rubber bellows only	72850
with crimped plates, 1/4 NPT air inlet A = 1.75 in. excentrical	63530
with crimped plates, 3/4 NPT air inlet A = 1.5 in. excentrical	63531

Additional types on request

Technical data

Min. pressure	0	psi
Return force to min height	≤ 45	lbF
Overall weight	5.1	lb

Vibration isolation - dynamic characteristic values

Design height H: recommended 4.33 inch, minimum 3.54 inch

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Force (Load)	[lbF]	1130	1750	2420	3100	3630	177
Spring rate	[lbF/in.]	780	1210	1650	2080	2510	
Natural frequency	[Hz]	2.6	2.6	2.6	2.6	2.6	

Pneumatic application - static characteristic values

Force F [lbF]

Pressure p	[psi]	40	60	80	100	120	Vol. V [in.³]
Height H [in.]	4.5	1190	1820	2460	3130	3820	180
	4.0	1390	2100	2840	3590	4360	160
	3.5	1530	2320	3120	3930	4770	140
	3.0	1660	2500	3350	4220	5100	120
	2.5	1770	2650	3550	4450	5370	98



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