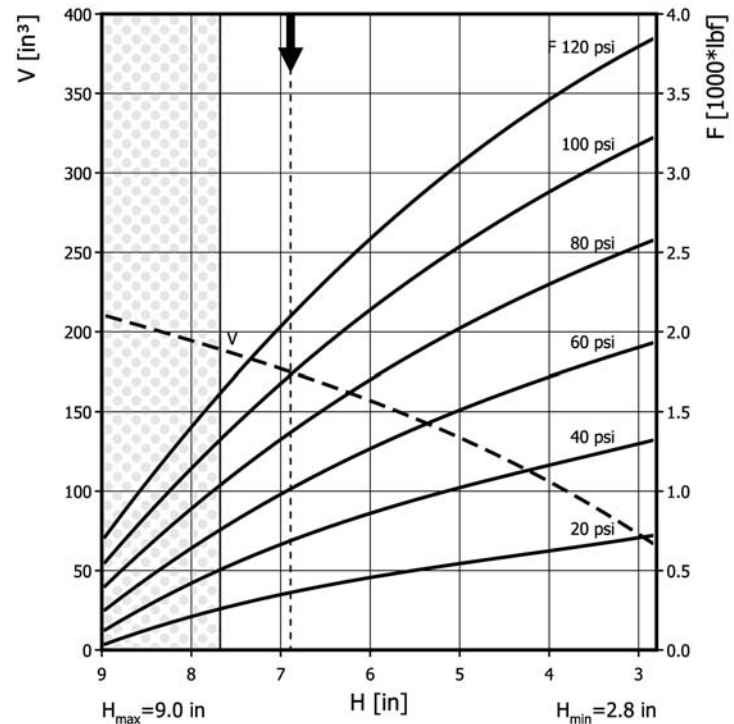
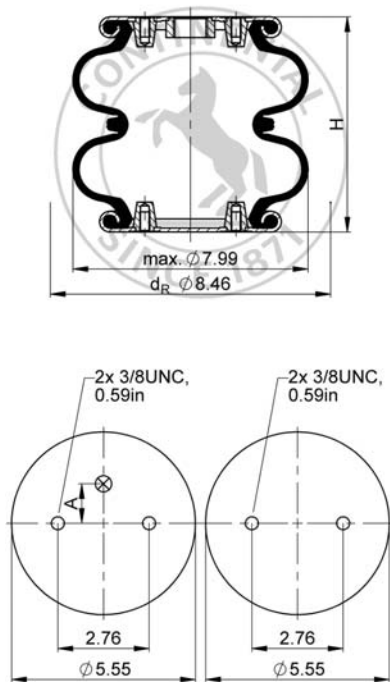


FD 110-15 CI

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

| 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

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 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 |



Service instructions

3/8-16 UNC: max. 20 lbf ft

3/4 NPT: max. 40 lbf ft