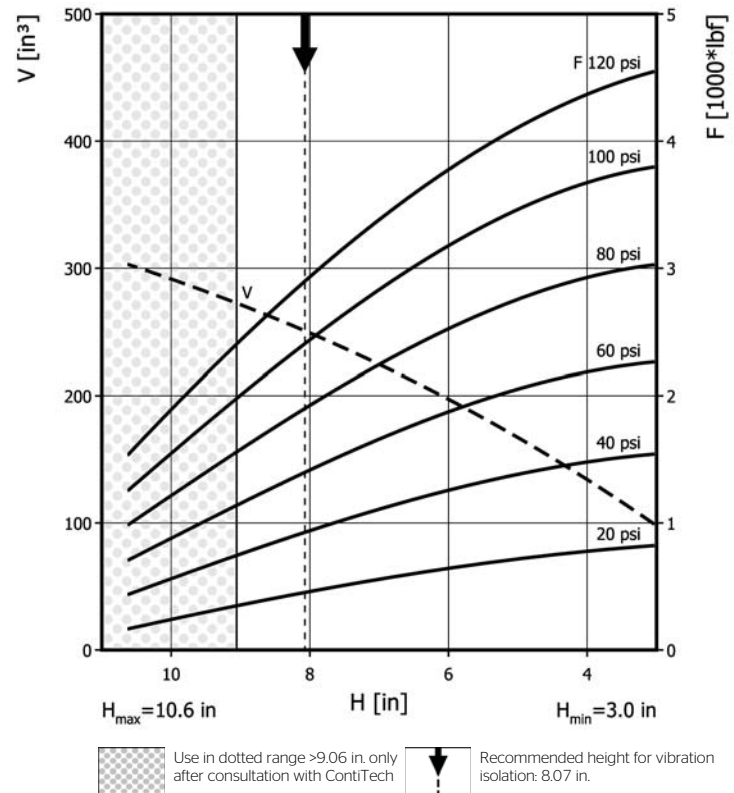
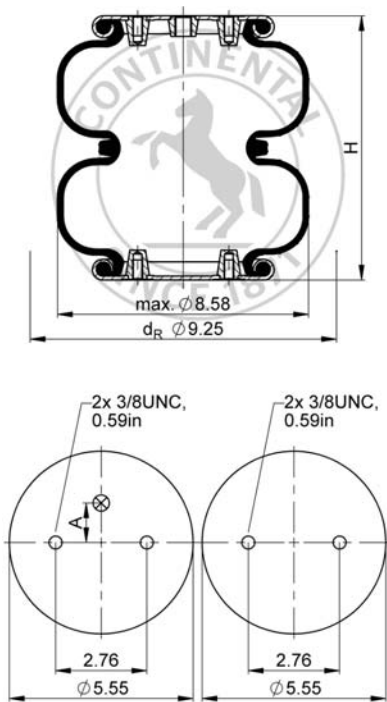


FD 120-20 CI

Double Convolution Air Actuator



Purchase order data

| Type | Order No. |
|--|-----------|
| Rubber bellows only | 75596 |
| with crimped plates, 1/4 NPT air inlet A = 0 in. excentrical | 74559 |
| with crimped plates, 3/4 NPT air inlet A = 0 in. excentrical | 75227 |

Additional types on request



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

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 8.07 inch, minimum 7.48 inch

| Pressure p | [psi] | 40 | 60 | 80 | 100 | 120 | Vol. V [in ³] |
|-------------------|-----------|-----|------|------|------|------|---------------------------|
| Force (Load) | [lbf] | 947 | 1440 | 1940 | 2460 | 2950 | 251 |
| Spring rate | [lbf/in.] | 345 | 495 | 638 | 782 | 904 | |
| Natural frequency | [Hz] | 1.9 | 1.8 | 1.8 | 1.8 | 1.7 | |

Pneumatic application - static characteristic values

| Force F [lbf] | Pressure p | [psi] | 40 | 60 | 80 | 100 | 120 | Vol. V [in ³] |
|---------------|----------------|-------|------|------|------|------|------|---------------------------|
| | Height H [in.] | 7.5 | 1020 | 1530 | 2090 | 2640 | 3170 | 240 |
| | | 6.0 | 1250 | 1870 | 2520 | 3170 | 3780 | 200 |
| | | 4.5 | 1440 | 2130 | 2850 | 3580 | 4230 | 150 |