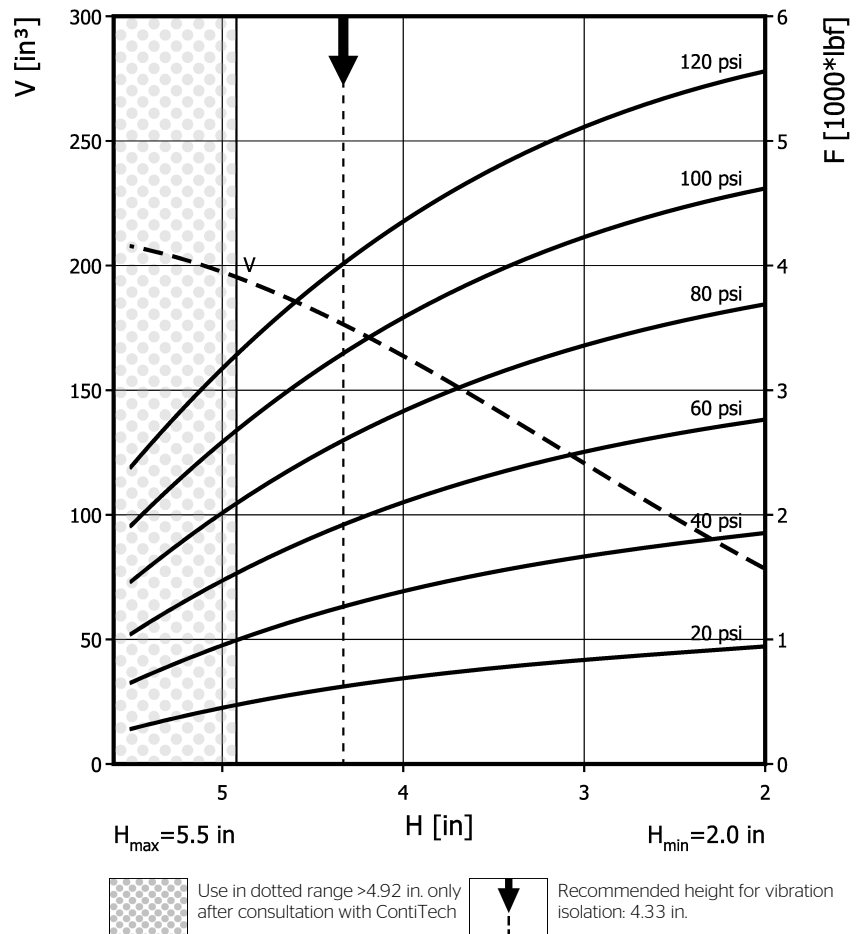
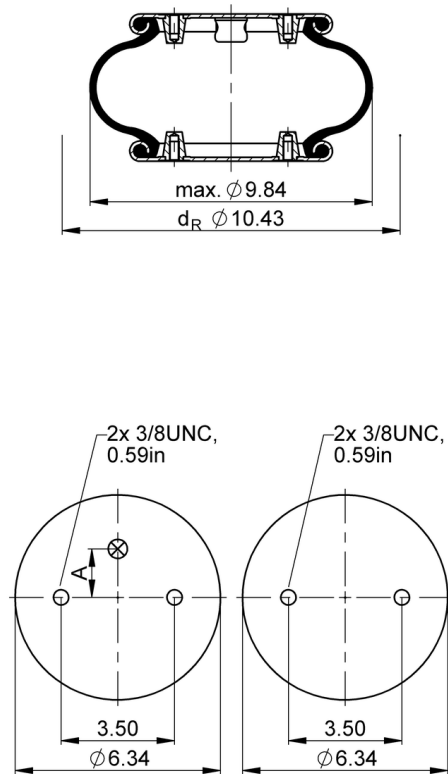


## FS 200-10 CI

## Single Convolution Air Actuator



## Purchase order data

| Type                                                                  | Order No. |
|-----------------------------------------------------------------------|-----------|
| rubber bellows only                                                   | 72850     |
| with crimped plates,<br>1/4 NPT air inlet<br>A = 1.75 in. excentrical | 63530     |
| with crimped plates,<br>3/4 NPT air inlet<br>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 [in³] |
|-------------------|-----------|------|------|------|------|------|--------------|
| Force (Load)      | [lbF]     | 1260 | 1910 | 2590 | 3280 | 4010 | 177          |
| Spring rate       | [lbF/in.] | 884  | 1250 | 1610 | 1960 | 2310 |              |
| Natural frequency | [Hz]      | 2.6  | 2.5  | 2.5  | 2.4  | 2.4  |              |

## Pneumatic application - static characteristic values

Force F [lbF]

| Pressure p     | [psi] | 40   | 60   | 80   | 100  | 120  | Vol. V [in³] |
|----------------|-------|------|------|------|------|------|--------------|
| 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