

**VALVE APPLICATION & FUNCTION**

* Internal flow controls meter air out of the cylinder
* Dual valves perform the work of two PO check valves, but in one valve package, eliminating pilot lines
* Maintains cylinder position by locking air in cylinder
* Cross-ported to allow the valve to open when the control valve changes direction
* Work well in either vertical or horizontal applications ensuring precise stopping on machines with rollers or slides and eliminates some bounce
* Improves bounce vs. a single PO check since the valve checks in both directions

|  |
| --- |
| **TECHNICAL DATA** |
| *Part Number:* | D8C00FL | D8C0MFL | D8CFMFL |
| *Button Type:* | None | Standard | Flush |
| *Port Sizes:* | 1/2” NPTF IN/OUT |
| *Pilot Port:* | None |
| *Max. Pressure:* | 150 psi |
| *Min. Pilot Pressure:* | 40 psi25 psi (see table `–K18’) |
| *Adv & Retract Ratio:* | The pressure ratio of advance/retract or retract/advance should not be greater than 2 |
| *Leak Rate:* | .0000522 cc/min |
| *Temp. Range:* | -20° - 150° F  |
| *Cycle Rate:* | 1 cyc./sec. max. |
| *Flow Capacity:* | 3.8 (Cv) |
| *Cracking Press:* | 1-2 psi |
| *Service:* | Filtered dry air or lubricated air |







|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Turns*** | *.25* | *.50* | *.75* | *1.0* | *1.25* | *1.5* |
| ***Equivalent Dia. (in)*** | *.15* | *.21* | *.26* | *.30* | *.34* | *.37* |
| ***Turns*** | *1.75* | *2.00* | *2.25* | *2.50* | *2.75* |  |
| ***Equivalent Dia. (in)*** | *.40* | *.43* | *.45* | *.48* | *.50* |  |

For high temp seals (30°-350° F) add (-V) to part #

For low temp seals (-40° - 150° F) add (-T40) to part #

For a lower pilot pressure add (-K18) (ex. D8CXX-K18)