



F-Series Bellows Shut-Off Valve

Part Number Description

Q [a , a] [b , b] [s] [f] - [1 , 2 , 3 , 4] [o , o]

[a , a] - Actuator Type

- [10] Manual Toggle
- [18] Manual Toggle, High Flow
- [11] Manual Toggle, High Temperature
- [19] Manual Toggle, High Flow & High Temperature

- [12] Manual ¼ Turn
- [13] Manual ¼ Turn, High Flow
- [17] Manual ¼ Turn, High Temperature
- [16] Manual ¼ Turn, High Flow & High Temperature

- [14] Manual ¼ Turn with VPI (Valve Position Indicator)
- [20] Manual ¼ Turn, High Flow with VPI (Valve Position Indicator)

- [21] Pneumatic Normally Open
- [23] Pneumatic Normally Open, High Flow
- [22] Pneumatic Normally Open, High Temperature
- [26] Pneumatic Normally Open, High Flow & High Temperature

- [30] Pneumatic Normally Closed
- [32] Pneumatic Normally Closed, High Flow
- [31] Pneumatic Normally Closed, High Temperature
- [35] Pneumatic Normally Closed, High Flow & High Temperature

[b , b] - Body Configuration

See next page for body configuration chart.

Other configurations available upon request.

[s] - Surface Finish

- [1] Standard Electropolished $Ra < 0.4\mu m$ (16µin)
- [4] Q+ Process Electropolished $Ra < 0.15\mu m$ (6µin)

[f] - Fitting Configuration

- [1] Standard Moduline ¼" VCR
- [2] All ¼" VCR Female
- [3] Standard Moduline 3/8" VCR
- [4] All Swagelok ¼"
- [5] All Swagelok 3/8" (on request)
- [9] Other configuration and specific fittings (on request)

[1,2,3,4] - Fitting Type

Only if [f] = [9], see next page for fitting configuration and specify :

- [1,2] 2-way valve
- [1,2,3] 3-way valve
- [1,2,3,4] 4-way valve

Fitting list :

- [B] ¼" VCR Female
- [C] ¼" VCR Male
- [D] 3/8" VCR Female
- [E] 3/8" VCR Male
- [F] Swagelok ¼"
- [G] Swagelok 6mm
- [H] Swagelok 3/8"
- [W] Welded butt ends (on request)
- [J] Flange DN16 (on request)

[b , b] - Body Configuration

- [_] no option
- [HA] Hastelloy® bellows
- [MP] Medium Pressure (< 100bars), only with manual actuator
- [RAB] Centerline 12.5mm (on request)

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Body Configuration Chart

N° Config.	Valve Close	Valve Open	Schematic	Fitting configuration for ordering	Moduline Fitting Configuration
01				1	<p>Port n°1 is Female 1/4" VCR Port n°2 is Male 1/4" VCR</p>
02				1	
03				1	
05				1	<p>Port n°1 is Female 1/4" VCR Port n°2 is Male 1/4" VCR Port n°3 is Female 1/4" VCR</p>
06				1	<p>Port n°1 is Female 1/4" VCR Port n°2 is Male 1/4" VCR Port n°3 is Female 1/4" VCR</p>
07				1	<p>Port n°1 is Female 1/4" VCR Port n°2 is Male 1/4" VCR Port n°3 is Female 1/4" VCR</p>
14				1	<p>Port n°1 is Female 1/4" VCR Port n°2 is Male 1/4" VCR Port n°3 is Female 1/4" VCR Port n°4 is Male 1/4" VCR</p>
15				1	