

VF Series

Two-Way, Non-Spring Return, High Pressure Pneumatic Actuated, High-Pressure, High-Temperature Butterfly Valve Assemblies



Description

- non-spring return (drive open, drive closed)
- ANSI Class 150 and 300 flanges
- valve body: carbon steel
- disc: stainless steel
- valve stem: stainless steel
- seat: RPTFE
- fluid temperature rating: -20 to 450°F
- actuator ambient temperature rating: -13 to 200°F
- air supply pressure: 70 to 90 psig (80 psig nominal; 140 psig maximum)
- actuator body material: anodized extruded aluminum
- actuator end caps: polyester coated cast aluminum

- valve assemblies for On/Off applications come standard with a 120 VAC solenoid valve with speed controls
- valve assemblies for proportional applications come standard with a valve actuator positioner

To Order

Specify the code number from the Selection Chart.

Selection Chart

Actuator				On/Off ^(a)	Proportional (With Positioner)
Size, in.	Cv at 90°	Cv at 60°	Closeoff		
Two-Way Butterfly Valve Assemblies – ANSI Class 300 Flanges ^(b)					
2-1/2	160	78	550 psig	VFC-025ZE-030C	VFC-025ZE-030B
3	185	123		VFC-030ZE-030C	VFC-030ZE-030B
4	375	250		VFC-040ZE-040C	VFC-040ZE-040B
5	790	360		VFC-050ZE-042C	VFC-050ZE-042B
6	1,000	530		VFC-060ZE-050C	VFC-060ZE-050B
8	2,000	950		VFC-080ZE-060C	VFC-080ZE-060B
10	2,650	1,200		VFC-100ZE-070C	VFC-100ZE-070B
12	4,000	1,690		VFC-120ZE-070C	VFC-120ZE-070B
14	3,900	1,570		VFC-140ZE-080C	VFC-140ZE-080B
Two-Way Butterfly Valve Assemblies – ANSI Class 150 Flanges ^(c)					
2-1/2	160	78	240 psig	VFC-025VE-030C	VFC-025VE-030B
3	185	123		VFC-030VE-030C	VFC-030VE-030B
4	375	250		VFC-040VE-030C	VFC-040VE-030B
5	790	360		VFC-050VE-042C	VFC-050VE-042B
6	1,350	510		VFC-060VE-042C	VFC-060VE-042B
8	2,800	1,060		VFC-080VE-050C	VFC-080VE-050B
10	4,300	1,630		VFC-100VE-060C	VFC-100VE-060B
12	6,650	2,530		VFC-120VE-070C	VFC-120VE-070B
14	7,650	2,900		VFC-140VE-070C	VFC-140VE-070B
16	9,800	3,700	VFC-160VE-080C	VFC-160VE-080B	

(a) On/Off assemblies come with a 120 VAC solenoid valve and speed controls. If a 24 VAC solenoid valve is desired, change the "C" at the end of the code number to an "E".

(b) Maximum closeoff pressure for ANSI Class 300 valves is 740 psig for fluid temperatures below 100°F, and 550 psig for fluid temperatures at 250°F. Maximum steam pressure is 150 psig for On/Off service and 50 psig for modulating service.

(c) Maximum closeoff pressure for ANSI Class 150 valves is 280 psig for fluid temperatures below 100°F, and 240 psig for fluid temperatures at 250°F. Maximum steam pressure is 150 psig for On/Off service and 50 psig for modulating service.