

VF Series

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



Description

- spring return open or 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	Spring Closed	Spring Open	Spring Closed	Spring Open
Two-Way Butterfly Valve Assemblies – ANSI Class 300 Flanges ^(b)							
2-1/2	160	78	550 psig	VFC-025ZE-432C	VFN-025ZE-422C	VFC-025ZE-432B	VFN-025ZE-422B
3	185	123		VFC-030ZE-442C	VFN-030ZE-422C	VFC-030ZE-442B	VFN-030ZE-422B
4	375	250		VFC-040ZE-452C	VFN-040ZE-432C	VFC-040ZE-452B	VFN-040ZE-432B
5	790	360		VFC-050ZE-650C	VFN-050ZE-630C	VFC-050ZE-650B	VFN-050ZE-630B
6	1,000	530		VFC-060ZE-660C	VFN-060ZE-630C	VFC-060ZE-660B	VFN-060ZE-630B
8	2,000	950		VFC-080ZE-750C	VFN-080ZE-730C	VFC-080ZE-750B	VFN-080ZE-730B
10	2,650	1,200		VFC-100ZE-840C	VFN-100ZE-830C	VFC-100ZE-840B	VFN-100ZE-830B
12	4,000	1,690		VFC-120ZE-850C	VFN-120ZE-840C	VFC-120ZE-850B	VFN-120ZE-840B
Two-Way Butterfly Valve Assemblies – ANSI Class 150 Flanges ^(c)							
2-1/2	160	78	240 psig	VFC-025VE-360C	VFN-025VE-340C	VFC-025VE-360B	VFN-025VE-340B
3	185	123		VFC-030VE-360C	VFN-030VE-340C	VFC-030VE-360B	VFN-030VE-340B
4	375	250		VFC-040VE-430C	VFN-040VE-440C	VFC-040VE-430B	VFN-040VE-440B
5	790	360		VFC-050VE-462C	VFN-050VE-530C	VFC-050VE-462B	VFN-050VE-530B
6	1,350	510		VFC-060VE-550C	VFN-060VE-530C	VFC-060VE-550B	VFN-060VE-530B
8	2,800	1,060		VFC-080VE-650C	VFN-080VE-630C	VFC-080VE-650B	VFN-080VE-630B
10	4,300	1,630		VFC-100VE-750C	VFN-100VE-730C	VFC-100VE-750B	VFN-100VE-730B
12	6,650	2,530		VFC-120VE-830C	VFN-120VE-820C	VFC-120VE-830B	VFN-120VE-820B
14	7,650	2,900		VFC-140VE-850C	VFN-140VE-830C	VFC-140VE-850B	VFN-140VE-830B

(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.