

VF Series

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



Description

- non-spring return (drive open, drive closed)
- valve body: carbon steel
- disc: stainless steel
- seat: RPTFE
- fluid temperature rating: -20 to 450°F
- actuator ambient temperature rating: -40 to 150°F
- actuator resolution: 100 positions
- manual opener: standard
- internal heater: standard
- modulating input: 4 to 20 mA or 0 to 10 VDC
- 120 VAC input voltage
- NEMA 4X water-tight, corrosion-resistant enclosure
- thermal overload protection

To Order

Specify the code number from the Selection Chart.

Selection Chart

Actuator				On/Off	0 to 10 VDC Proportional
Size, in.	Cv at 90°	Cv at 60°	Closeoff		
Two-Way Butterfly Valve Assemblies – ANSI Class 300 Flanges ^(a)					
2-1/2	160	78	550 psig	VFC-025ZE-723D	VFC-025ZE-703N
3	185	123		VFC-030ZE-723D	VFC-030ZE-703N
4	375	250		VFC-040ZE-723D	VFC-040ZE-703N
5	790	360		VFC-050ZE-725D	VFC-050ZE-705N
6	1,000	530		VFC-060ZE-726D	VFC-060ZE-706N
8	2,000	950		VFC-080ZE-727D	VFC-080ZE-707N
10	2,650	1,200		VFC-100ZE-927D	VFC-100ZE-907N
12	4,000	1,690		VFC-120ZE-928D	VFC-120ZE-908N
14	3,900	1,570		VFC-140ZE-928D	VFC-140ZE-908N
Two-Way Butterfly Valve Assemblies – ANSI Class 150 Flanges ^(b)					
2-1/2	160	78	240 psig	VFC-025VE-722D	VFC-025VE-702N
3	185	123		VFC-030VE-722D	VFC-030VE-702N
4	375	250		VFC-040VE-722D	VFC-040VE-702N
5	790	360		VFC-050VE-724D	VFC-050VE-704N
6	1,350	510		VFC-060VE-725D	VFC-060VE-705N
8	2,800	1,060		VFC-080VE-726D	VFC-080VE-706N
10	4,300	1,630		VFC-100VE-727D	VFC-100VE-707N
12	6,650	2,530		VFC-120VE-728D	VFC-120VE-708N
14	7,650	2,900		VFC-140VE-927D	VFC-140VE-907N
16	9,800	3,700		VFC-160VE-928D	VFC-160VE-908N

(a) 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.

(b) 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.