

VF Series

# Three-Way, Industrial-Grade, Spring Return, High Pressure Pneumatic Actuated, Standard-Pressure, Standard-Temperature Butterfly Valve Assemblies



## Description

- spring return
- ANSI Class 125/150 flanges
- valve body: cast iron
- disc: ductile iron coated with Nylon 11
- valve stem: 416 stainless steel
- seat: EPDM
- fluid temperature rating: -30 to 250°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 24 or 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

Size, in.	Actuator			On/Off <sup>(a)</sup>	Proportional (With Positioner)
	Cv at 90°	Cv at 60°	Closeoff		
<b>Three-Way Butterfly Valve Assemblies <sup>(b)</sup> – 175 psig Closeoff Pressure; 75 psig Dead-End Service</b>					
2	144	61	175	VFD-020HB-330C	VFD-020HB-330B
2-1/2	282	107	175	VFD-025HB-340C	VFD-025HB-340B
3	461	154	175	VFD-030HB-340C	VFD-030HB-340B
4	841	274	175	VFD-040HB-432C	VFD-040HB-432B
5	1,376	428	175	VFD-050HB-442C	VFD-050HB-442B
6	1,850	567	175	VFD-060HB-530C	VFD-060HB-530B
8	3,316	1,081	175	VFD-080HB-640C	VFD-080HB-640B
10	5,430	1,710	175	VFD-100HB-740C	VFD-100HB-740B
12	8,077	2,563	175	VFD-120HB-830C	VFD-120HB-830B
<b>Three-Way Butterfly Valve Assemblies <sup>(b)</sup> – 50 psig Closeoff Pressure; Not Rated for Dead-End Service</b>					
4	841	274	50	VFD-040LB-340C	VFD-040LB-340B
5	1,376	428	50	VFD-050LB-432C	VFD-050LB-432B
6	1,850	567	50	VFD-060LB-442C	VFD-060LB-442B
8	3,316	1,081	50	VFD-080LB-530C	VFD-080LB-530B
10	5,430	1,710	50	VFD-100LB-640C	VFD-100LB-640B
12	8,077	2,563	50	VFD-120LB-740C	VFD-120LB-740B

(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) Code numbers listed above are three-way valves, style "D". For styles "E", "F", or "G" change the "D" in the third digit of the code number to the desired style. Example: VFE-xxxx-xxxx, VFF-xxxx-xxxx, VFG-xxxx-xxxx.

