



High Pressure Pneumatic Actuated Butterfly Valves



TWO-WAY, SPRING RETURN, STANDARD-TEMPERATURE, STANDARD-PRESSURE, BUTTERFLY VALVE ASSEMBLIES

- Spring return (drive open, drive closed)
- ANSI Class 125/150 flanges
- Valve body: cast iron
- Disk: ductile iron coated with Nylon 11
- Valve stem: 2 through 12 in. 416 stainless steel; 14 through 20 in. 304 stainless steel
- Seat: EPDM
- Fluid temperature rating: -30 to 250°F
- Actuator ambient 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

HIGH PRESSURE PNEUMATIC ACTUATED BUTTERFLY VALVES

SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG	ON/OFF ^(a)		PROPORTIONAL (WITH POSITIONER)	
				SPRING CLOSED	SPRING OPEN	SPRING CLOSED	SPRING OPEN
	TWO-WAY BUTTERFLY VALVE			ASSEMBLIES – 150 OR 175 PSIG CLOSEOFF PRESSURE; 75 PSIG DEAD-END SERVICE			
2	144	84	175	VFC-020HB-320C	VFN-020HB-320C	VFC-020HB-320B	VFN-020HB-320B
2-1/2	282	163	175	VFC-025HB-330C	VFN-025HB-320C	VFC-025HB-330B	VFN-025HB-320B
3	461	267	175	VFC-030HB-340C	VFN-030HB-330C	VFC-030HB-340B	VFN-030HB-330B
4	841	496	175	VFC-040HB-450C	VFN-040HB-440C	VFC-040HB-450B	VFN-040HB-440B
5	1,376	775	175	VFC-050HB-432C	VFN-050HB-422C	VFC-050HB-432B	VFN-050HB-422B
6	1,850	1,025	175	VFC-060HB-442C	VFN-060HB-432C	VFC-060HB-442B	VFN-060HB-432B
8	3,316	1,862	175	VFC-080HB-640C	VFN-080HB-620C	VFC-080HB-640B	VFN-080HB-620B
10	5,430	2,948	175	VFC-100HB-740C	VFN-100HB-720C	VFC-100HB-740B	VFN-100HB-720B
12	8,077	4,393	175	VFC-120HB-750C	VFN-120HB-730C	VFC-120HB-750B	VFN-120HB-730B
14	10,538	5,939	150	VFC-140HC-760C	VFN-140HC-820C	VFC-140HC-760B	VFN-140HC-820B
16	13,966	7,867	150	VFC-160HC-840C	VFN-160HC-830C	VFC-160HC-840B	VFN-160HC-830B
18	17,214	10,065	150	VFC-180HC-850C	VFN-180HC-830C	VFC-180HC-850B	VFN-180HC-830B
20	22,339	12,535	150	VFC-200HC-860C	VFN-200HC-840C	VFC-200HC-860B	VFN-200HC-840B
	TWO-WAY BUTTERFLY VALVE			ASSEMBLIES – 50 PSIG CLOSEOFF PRESSURE; NOT RATED FOR DEAD-END SERVICE			
4	841	496	50	VFC-040LB-340C	VFN-040LB-330C	VFC-040LB-340B	VFN-040LB-330B
5	1,376	775	50	VFC-050LB-440C	VFN-050LB-340C	VFC-050LB-440B	VFN-050LB-340B
6	1,850	1,025	50	VFC-060LB-432C	VFN-060LB-422C	VFC-060LB-432B	VFN-060LB-422B
8	3,316	1,862	50	VFC-080LB-442C	VFN-080LB-432C	VFC-080LB-442B	VFN-080LB-432B
10	5,430	2,948	50	VFC-100LB-550C	VFN-100LB-530C	VFC-100LB-550B	VFN-100LB-530B
12	8,077	4,393	50	VFC-120LB-660C	VFN-120LB-630C	VFC-120LB-660B	VFN-120LB-630B
14	10,538	5,939	50	VFC-140LC-740C	VFN-140LC-720C	VFC-140LC-740B	VFN-140LC-720B
16	13,966	7,867	50	VFC-160LC-740C	VFN-160LC-730C	VFC-160LC-740B	VFN-160LC-730B
18	17,214	10,065	50	VFC-180LC-750C	VFN-180LC-730C	VFC-180LC-750B	VFN-180LC-730B
20	22,339	12,535	50	VFC-200LC-830C	VFN-200LC-820C	VFC-200LC-830B	VFN-200LC-820B

(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".



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THREE-WAY, SPRING RETURN, STANDARD-TEMPERATURE, STANDARD-PRESSURE, BUTTERFLY VALVE ASSEMBLIES



- Spring return
- ANSI Class 125/150 flanges
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SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG	ON/OFF ^(a)	PROPORTIONAL (WITH POSITIONER)
THREE-WAY BUTTERFLY VALVE ASSEMBLIES ^(b) – 150 OR 175 PSIG CLOSEOFF PRESSURE; 75 PSIG DEAD-END SERVICE					
2	144	84	175	VFD-020HB-330C	VFD-020HB-330B
2-1/2	282	163	175	VFD-025HB-340C	VFD-025HB-340B
3	461	267	175	VFD-030HB-340C	VFD-030HB-340B
4	841	496	175	VFD-040HB-432C	VFD-040HB-432B
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THREE-WAY BUTTERFLY VALVE ASSEMBLIES ^(b) – 50 PSIG CLOSEOFF PRESSURE; NOT RATED FOR DEAD-END SERVICE					
4	841	496	50	VFD-040LB-340C	VFD-040LB-340B
5	1,376	775	50	VFD-050LB-432C	VFD-050LB-432B
6	1,850	1,025	50	VFD-060LB-442C	VFD-060LB-442B
8	3,316	1,862	50	VFD-080LB-530C	VFD-080LB-530B
10	5,430	2,948	50	VFD-100LB-640C	VFD-100LB-640B
12	8,077	4,393	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-xxxxx-xxxx, VFF-xxxxx-xxxx, VFG-xxxxx-xxxx

