



High Pressure Pneumatic Actuated Butterfly Valves



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

- Non-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)
TWO-WAY BUTTERFLY VALVE ASSEMBLIES – 150 OR 175 PSIG CLOSEOFF PRESSURE; 75 PSIG DEAD-END SERVICE					
2	144	84	175	VFC-020HB-020C	VFC-020HB-020B
2-1/2	282	163	175	VFC-025HB-020C	VFC-025HB-020B
3	461	267	175	VFC-030HB-020C	VFC-030HB-020B
4	841	496	175	VFC-040HB-030C	VFC-040HB-030B
5	1,376	775	175	VFC-050HB-030C	VFC-050HB-030B
6	1,850	1,025	175	VFC-060HB-030C	VFC-060HB-030B
8	3,316	1,862	175	VFC-080HB-042C	VFC-080HB-042B
10	5,430	2,948	175	VFC-100HB-060C	VFC-100HB-060B
12	8,077	4,393	175	VFC-120HB-060C	VFC-120HB-060B
14	10,538	5,939	150	VFC-140HC-060C	VFC-140HC-060B
16	13,966	7,867	150	VFC-160HC-070C	VFC-160HC-070B
18	17,214	10,065	150	VFC-180HC-070C	VFC-180HC-070B
20	22,339	12,535	150	VFC-200HC-080C	VFC-200HC-080B
TWO-WAY BUTTERFLY VALVE ASSEMBLIES – 50 PSIG CLOSEOFF PRESSURE; NOT RATED FOR DEAD-END SERVICE					
4	841	496	50	VFC-040LB-030C	VFC-040LB-030B
5	1,376	775	50	VFC-050LB-030C	VFC-050LB-030B
6	1,850	1,025	50	VFC-060LB-030C	VFC-060LB-030B
8	3,316	1,862	50	VFC-080LB-042C	VFC-080LB-042B
10	5,430	2,948	50	VFC-100LB-042C	VFC-100LB-042B
12	8,077	4,393	50	VFC-120LB-042C	VFC-120LB-042B
14	10,538	5,939	50	VFC-140LC-060C	VFC-140LC-060B
16	13,966	7,867	50	VFC-160LC-060C	VFC-160LC-060B
18	17,214	10,065	50	VFC-180LC-070C	VFC-180LC-080B
20	22,339	12,535	50	VFC-200LC-070C	VFC-200LC-070B

(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".



High Pressure Pneumatic Actuated Butterfly Valves

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



- Non-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
- 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)
THREE-WAY BUTTERFLY VALVE ASSEMBLIES^(b) – 150 OR 175 PSIG CLOSEOFF PRESSURE; 75 PSIG DEAD-END SERVICE					
2	144	84	175	VFD-020HB-020C	VFD-020HB-020B
2-1/2	282	163	175	VFD-025HB-020C	VFD-025HB-020B
3	461	267	175	VFD-030HB-020C	VFD-030HB-020B
4	841	496	175	VFD-040HB-030C	VFD-040HB-030B
5	1,376	775	175	VFD-050HB-030C	VFD-050HB-030B
6	1,850	1,025	175	VFD-060HB-040C	VFD-060HB-040B
8	3,316	1,862	175	VFD-080HB-042C	VFD-080HB-042B
10	5,430	2,948	175	VFD-100HB-060C	VFD-100HB-060B
12	8,077	4,393	175	VFD-120HB-060C	VFD-120HB-060B
THREE-WAY BUTTERFLY VALVE ASSEMBLIES^(b) – 50 PSIG CLOSEOFF PRESSURE; NOT RATED FOR DEAD-END SERVICE					
4	841	496	50	VFD-040LB-030C	VFD-040LB-030B
5	1,376	775	50	VFD-050LB-030C	VFD-050LB-030B
6	1,850	1,025	50	VFD-060LB-030C	VFD-060LB-030B
8	3,316	1,862	50	VFD-080LB-042C	VFD-080LB-042B
10	5,430	2,948	50	VFD-100LB-042C	VFD-100LB-042B
12	8,077	4,393	50	VFD-120LB-060C	VFD-120LB-060B

(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

