

VF Series LIT-1900148

Two-Way, Industrial-Grade, Manually Operated, Standard-Pressure, Standard-Temperature Butterfly Valve Assemblies

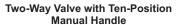
Description

VF Series Standard-Pressure, Standard-Temperature Butterfly Valves are designed for control of hot water, chilled water, 50% glycol solutions and condenser water in a wide range of HVAC applications.

Features

- · manually operated
- · ANSI Class 125/150 flanges
- · valve body: cast iron
- · disc: 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: -40 to 250°F







Two-Way Valve with Gear-Operated Manual Hand Wheel

Selection Chart

VF Series Two-Way, Industrial Grade, Manually Operated, Standard-Pressure, Standard-Temperature Butterfly Valve Assemblies

Actuator				Ten-Position	Gear-Operated
Size, in	. Cv at 90°	Cv at 60°	Closeoff	Manual Hand Wheel	
Two-Way	Butterfly Valve A	Assemblies – 150 or 1	75 psig Closeoff Pr	essure; 75 psig Dead-End Servi	ce
2	144	61	175	VFM-020HB-000M	VFM-020HB-000G
2-1/2	282	107	175	VFM-025HB-000M	VFM-025HB-000G
3	461	154	175	VFM-030HB-000M	VFM-030HB-000G
4	841	274	175	VFM-040HB-000M	VFM-040HB-000G
5	1,376	428	175	VFM-050HB-000M	VFM-050HB-000G
6	1,850	567	175	VFM-060HB-000M	VFM-060HB-000G
8	3,316	1,081	175		VFM-080HB-000G
10	5,430	1,710	175		VFM-100HB-000G
12	8,077	2,563	175		VFM-120HB-000G
14	10,538	3,384	150		VFM-140HC-000G
16	13,966	4,483	150		VFM-160HC-000G
18	17,214	5,736	150		VFM-180HC-000G
20	22,339	7,144	150		VFM-200HC-000G

Repair Information

If the VF Series Two-Way, Industrial Grade, Manually Operated, Standard-Pressure, Standard-Temperature Butterfly Valve Assembly fails to operate within its specifications, replace the unit. For a replacement valve, contact the nearest Johnson Controls® representative.

Technical Specifications

Service ¹		Hot Water, Chill Water, Condenser Water, and 50/50 Glycol Solutions		
		That water, crim water, condenser water, and coros cryes conditions		
Fluid Temperature	Water	-40 to 250°F (-40 to 121°C)		
Limits	Steam	Not Rated for Steam Service		
Maximum Closeoff	2 through 12 in. Type "H"	175 psig (1,206 kPa) Bidirectional; 75 psig (517 kPa) Dead-End Service		
	14 through 20 in. Type "H"	150 psig (1,034 kPa) Bidirectional; 75 psig (517 kPa) Dead-End Service		
Flow Characteristics	•	Equal Percentage		
Maximum Fluid Velor	city	30 ft/second (9 m/second)		
End Connection		Fully Lugged, designed to be installed between ANSI 125/150 lb flanges		
Materials	Body	Cast Iron, Red Epoxy finish		
	Disc	Ductile Iron Coated with Nylon 11		
	Seat	Ethylene Propylene Diene Monomer (EPDM)		
	Stem	416 Stainless Steel (2 through 12 in.); 304 Stainless Steel (14 through 20 in.)		
	Tee	Cast Iron		

^{1.} Refer to VDI 2035 Standard for recommended proper water treatment.