F7125-300SHP, 5", 3-Way ANSI Class 300 Butterfly Valve Reinforced Teflon Seat, 316 Stainless Steel





Application

These valves are designed to meet the needs of HVAC and commercial applications requiring bubble tight shut-off for liquids. Typical applications include chiller insolation, cooling tower isolation, change-over systems, large air handler coil control, bypass and process control applications. The large Cv values provide for an economical control valve solution for larger flow applications.

Jobsite Note

Valve assembly should be stored in a weather protected area prior to installation. Reference the butterfly valve installation instruction for additional information.

Flow/Cv								
Cv 10°	Cv 20°	Cv 30°	Cv 40°	Cv 50°	Cv 60°	Cv 70°	Cv 80°	Cv 90°
10	40	92	165	248	361	491	655	688
Suitable Actuators								
			Suita	ble Actu	ators			
			Suita		l ators Ion-Sprin	g		

Dimensions (Inches [mm])

А	В	С	D	E	F	J
20.2"	18.25"	29.13"	24.25"	8" [203.2]	10.25"	37.91"
[508]	[463]	[739]	[616]		[260]	[963]

Technical DataServiceFlow Characteristicmodified linear, unidirectionalControllable Flow RangeQuarter turn, mechanically limitedSize [mm]5" [125]End FittingFor use with ASME/ANSI B16.5 flangesBodycarbon steel full lug (ASME B16.34)SeatRPTFEShaft17-4 PH stainless steelBushingsglass backed PTFEDisc316 stainless steelBody Pressure Rating [psi]ASME/ANSI Class 300ANSI ClassANSI 300Number of Bolt Holes8Lug Threads3/4-10 UNCMaximum Steam Inlet50 psi (345 kPa)		
Flow Characteristicmodified linear, unidirectionalControllable Flow RangeQuarter turn, mechanically limitedSize [mm]5" [125]End FittingFor use with ASME/ANSI B16.5 flangesBodycarbon steel full lug (ASME B16.34)SeatRPTFEShaft17-4 PH stainless steelBushingsglass backed PTFEDisc316 stainless steelBody Pressure Rating [psi]ASME/ANSI Class 300ANSI ClassANSI 300Number of Bolt Holes8Lug Threads3/4-10 UNC	Technical Data	
Controllable Flow RangeQuarter turn, mechanically limitedSize [mm]5" [125]End FittingFor use with ASME/ANSI B16.5 flangesBodycarbon steel full lug (ASME B16.34)SeatRPTFEShaft17-4 PH stainless steelBushingsglass backed PTFEDisc316 stainless steelBody Pressure Rating [psi]ASME/ANSI Class 300ANSI ClassANSI 300Number of Bolt Holes8Lug Threads3/4-10 UNC	Service	
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Seat RPTFE Shaft 17-4 PH stainless steel Bushings glass backed PTFE Disc 316 stainless steel Body Pressure Rating [psi] ASME/ANSI Class 300 ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	End Fitting	For use with ASME/ANSI B16.5 flanges
Shaft 17-4 PH stainless steel Bushings glass backed PTFE Disc 316 stainless steel Body Pressure Rating [psi] ASME/ANSI Class 300 ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Body	carbon steel full lug (ASME B16.34)
Bushings glass backed PTFE Disc 316 stainless steel Body Pressure Rating [psi] ASME/ANSI Class 300 ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Seat	RPTFE
Disc 316 stainless steel Body Pressure Rating [psi] ASME/ANSI Class 300 ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Shaft	17-4 PH stainless steel
Body Pressure Rating [psi] ASME/ANSI Class 300 ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Bushings	glass backed PTFE
ANSI Class ANSI 300 Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Disc	316 stainless steel
Number of Bolt Holes 8 Lug Threads 3/4-10 UNC	Body Pressure Rating [psi]	ASME/ANSI Class 300
Lug Threads 3/4-10 UNC	ANSI Class	ANSI 300
	Number of Bolt Holes	8
Maximum Steam Inlet 50 psi (345 kPa)	Lug Threads	3/4-10 UNC
	Maximum Steam Inlet	50 psi (345 kPa)
(Rotary actuators)		
Media Temperature Range -22°F to 400°F [-30°C to 204°C]		-22°F to 400°F [-30°C to 204°C]
(Water) Close-Off Pressure 740 psi		740 poi
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Rangeability 100:1		
Maximum Velocity 32 FPS	Maximum Velocity	32 FPS
Cv 688	Cv	688
Weight 165.3 lb [75 kg]	Weight	165.3 lb [75 kg]
Leakage 0%	Leakage	0%
Servicing maintenance free	Servicing	maintenance free