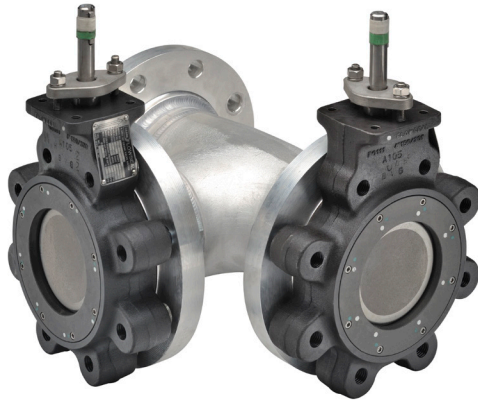


F780-150SHP, 3", 3-Way ANSI Class 150 Butterfly Valve

Reinforced Teflon Seat, 316 Stainless Steel



Technical Data	
Service	chilled or hot water, up to 60% glycol, steam
Flow Characteristic	modified linear, unidirectional
Controllable Flow Range	Quarter turn, mechanically limited
Size [mm]	3" [80]
End Fitting	For use with ASME/ANSI B16.5 flanges
Body	carbon steel full lug (ASME B16.34)
Seat	RPTFE
Shaft	17-4 PH stainless steel
Bushings	glass backed PTFE
Disc	316 stainless steel
Body Pressure Rating [psi]	ASME/ANSI Class 150
ANSI Class	ANSI 150
Number of Bolt Holes	4
Lug Threads	5/8-11 UNC
Maximum Steam Inlet (Rotary actuators)	50 psi (345 kPa)
Media Temperature Range (Water)	-22°F to 400°F [-30°C to 204°C]
Close-Off Pressure	285 psi
Rangeability	100:1
Maximum Velocity	32 FPS
Cv	228
Weight	62.2 lb [28.2 kg]
Leakage	0%
Servicing	maintenance free

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 insulation, 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°
3.4	14	32	57	87	125	171	221	228

Suitable Actuators

	Non-Spring	Electronic Fail-Safe
F780-150SHP	2*GMB(X), SY2	GKB(X), 2*GKB(X)

Dimensions (Inches [mm])

A	B	C	D	E	F
13.76" [349]	13.06" [332]	23.85" [606]	20.5" [521]	7.92" [201]	9.84" [250]