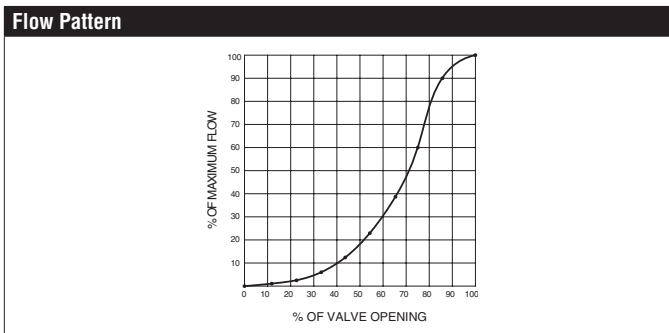


# F650-150SHP, 2", 2-Way ANSI Class 150 Butterfly Valve

Reinforced Teflon Seat, 316 Stainless Steel



Technical Data	
Service	chilled or hot water, up to 60% glycol, steam
Flow Characteristic	modified equal percentage, unidirectional
Controllable Flow Range	Quarter turn, mechanically limited
Size [mm]	2" [50]
End Fitting	ASME/ANSI Class 150 flange
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
Ambient Temperature Range	-22°F to 122°F [-30°C to 50°C]
Rangeability	100:1
Maximum Velocity	32 FPS
Cv	102
Weight	9.9 lb [4.5 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°
1.5	6.1	14	26	39	56	77	99	102

Suitable Actuators			
	Non-Spring	Spring	Electronic Fail-Safe
F650-150SHP	GMB(X), SY2	2*AFB(X)	GKB(X)

Dimensions (Inches [mm])					
A	B	C	D	E	F
17.2" [437]	1.75" [44]	22.5" [571]	19.5" [495]	3.93" [100]	2.71" [69]