BELIMO

Reinforced Teflon Seat, 316 Stainless Steel

Technical data sheet F665-150SHP

5-year warranty

Type overview

Type	DN	ANSI Class
F665-150SHP	65	150

Technical data

Functional data	Fluid	chilled or hot water, up to 60% glycol, steam
	Body Pressure Rating	ANSI Class 150
	Close-off pressure Δps	150 kPa
	Servicing	maintenance-free
	Flow Pattern	2-way
	Leakage rate	0%
	Controllable flow range	quarter turn, mechanically limited
	Cv	146
	Maximum Inlet Pressure (Steam)	50 psi
	Fluid Temp Range (water)	-22...400°F [-30...204°C]
	ANSI Class	150
	Maximum Velocity	32 FPS
	Lug threads	5/8-11 UNC
	Valve Size	2.5" [65]
Materials	Seat	RPTFE
	End fitting	ASME/ANSI class 150 flange
	Bearing	glass backed PTFE
	Disc	316 stainless steel
	Gland Seal	TFE
	Gear operator materials	Gears - hardened steel

Safety notes

- Cable for ZIP-RS232 US and ZIP-USB-MP US to Belimo gateways.
- Classic GM to GMB(X) retrofit bracket.
- Battery Back Up System for SY(7~10)-110
- Weather shield - galvaneal 13x8x6" (LxWxD).
- Cable for ZTH US to diagnostic/programming socket.
- Cable for ZTH US to actuators w/o diagnostics socket.
- 50% voltage divider kit (resistors with wires).
- PC Tool computer programming interface, serial port.
- 3/4" shaft adaptor for ZS-300(-5).
- Battery Back Up System for SY(8~12)-110P
- LF right angle bracket 4-1/2x5-1/2x2-1/2" (HxWxD).

WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov

Product features

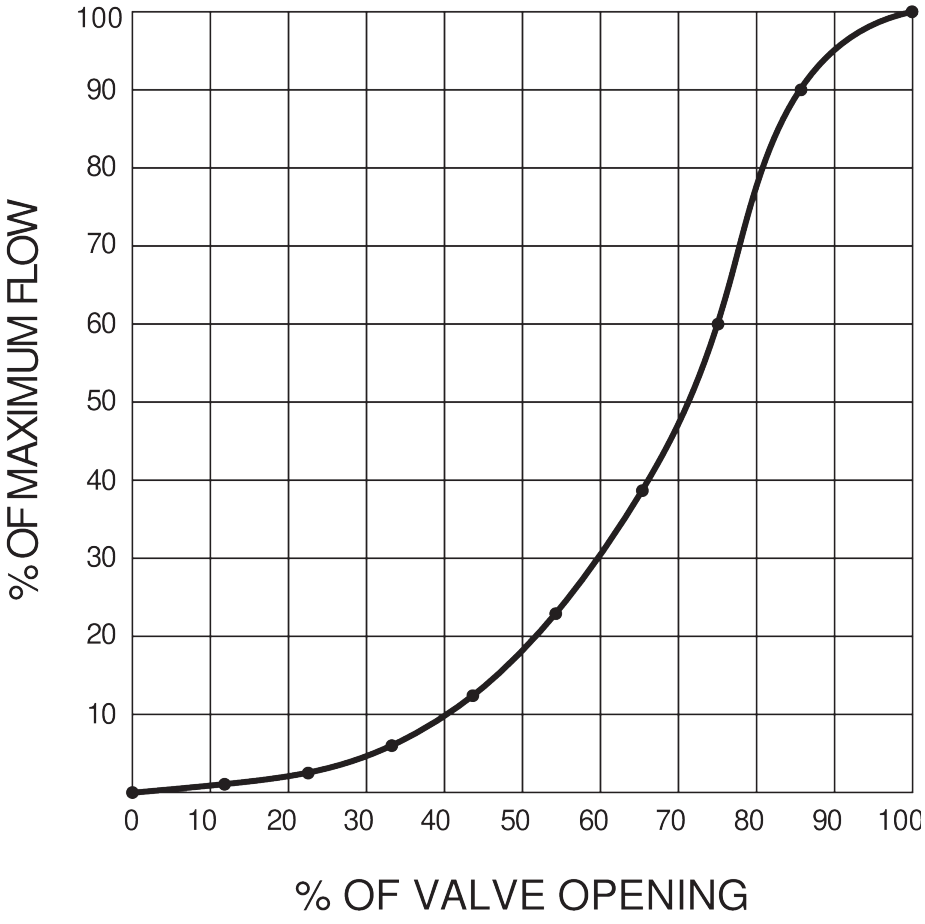
Product features

Double Dead End Service: Utilises larger retainer-ring setscrews to allow the valve to be placed at the end of the line without a down-stream flange in either flow direction at full pressure. The High Performance Butterfly Valve features a double offset (or, double eccentric) shaft design to minimize seat abrasion and lower torque. This double offset design allows the disc to lift off and come away from the seat as it rotates open. The face-to-face dimensions are API 609 & MSS-SP-68 compliant and are designed to be installed between ASME/ANSI B16.5 flanges. Every valve has a metal identification tag attached to the valve body. Information includes the figure number, the size and pressure class, the materials of construction, and the operating pressures and temperatures.

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 isolation, 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.

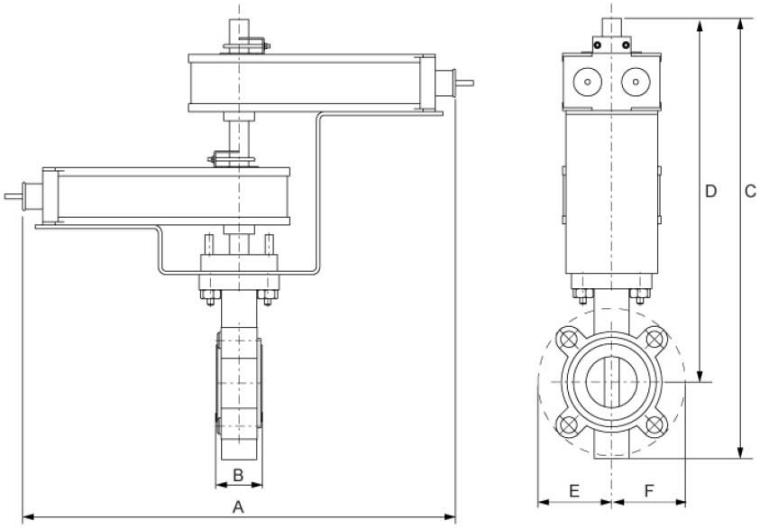
Flow/Mounting details



Dimensions

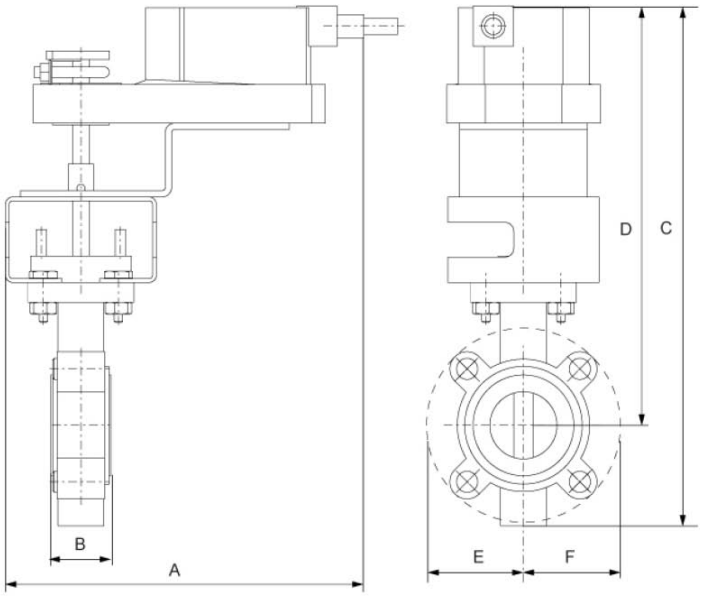
Dimensional drawings

2*AF



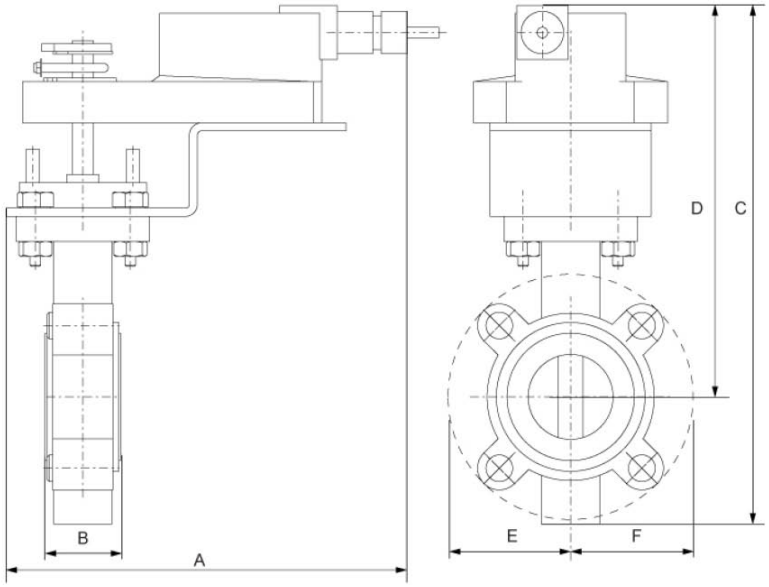
A	B	C	D	E	F
17.6" [448]	1.9" [49]	17.5" [445]	14.3" [363]	3.2" [81]	3.2" [81]

GKB(X)



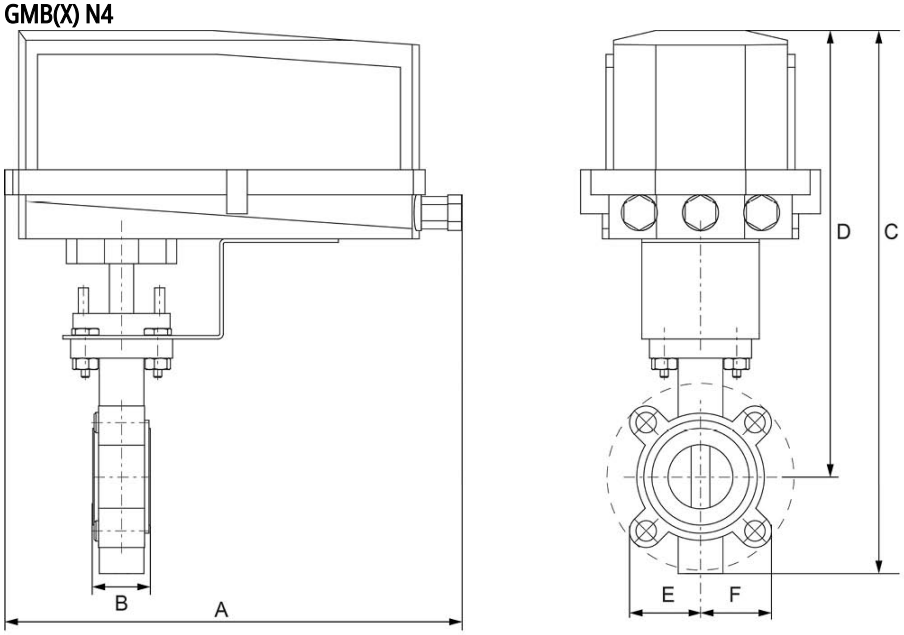
A	B	C	D	E	F
10.9" [277]	1.9" [49]	14.4" [366]	9.6" [243]	4.9" [124]	4.9" [125]

GMB(X)



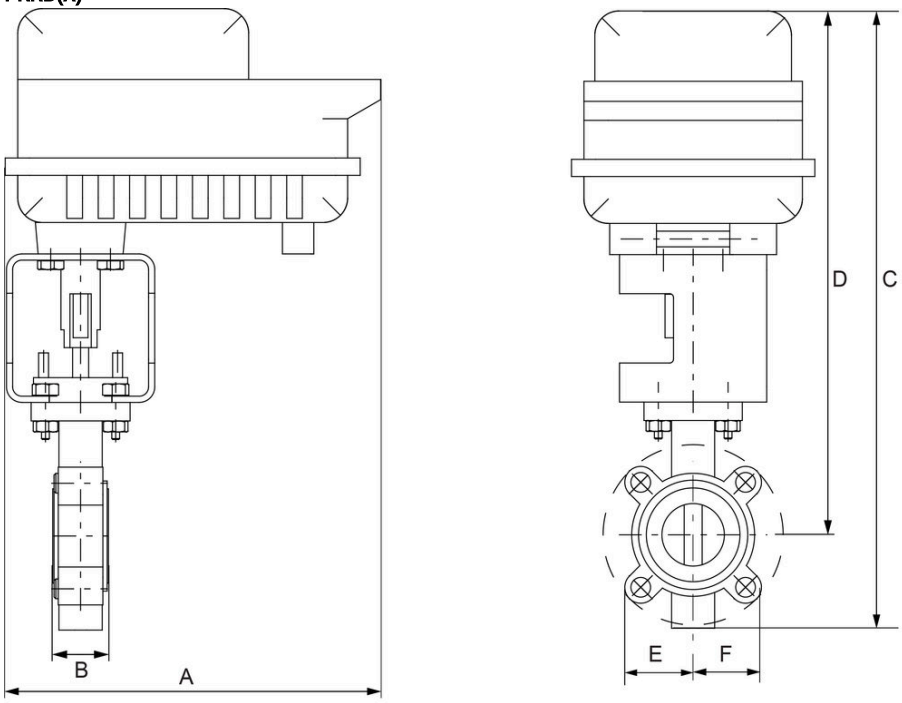
A	B	C	D	E	F
9.1" [231]	1.9" [49]	13.0" [330]	9.2" [234]	3.9" [100]	3.9" [100]

GMB(X) N4



A	B	C	D	E	F
14.1" [358]	1.9" [49]	19.0" [483]	13.8" [350]	5.2" [133]	5.2" [133]

PKRB(X)



A	B	C	D	E	F
12.0" [304]	1.9" [49]	21.4" [544]	16.8" [426]	4.9" [124]	4.9" [125]