BELIMO

Resilient Seat, 304 Stainless Steel Disc

Butterfly Valve with Lug types
- Disc 304 stainless steel
- Bubble tight shut-off
- Resilient seat
- Valve face-to-face dimensions comply with API 609 & MSS-SP-67
- Completely assembled and tested, ready for installation

Technical data sheet F765HD

5-year warranty

Type overview

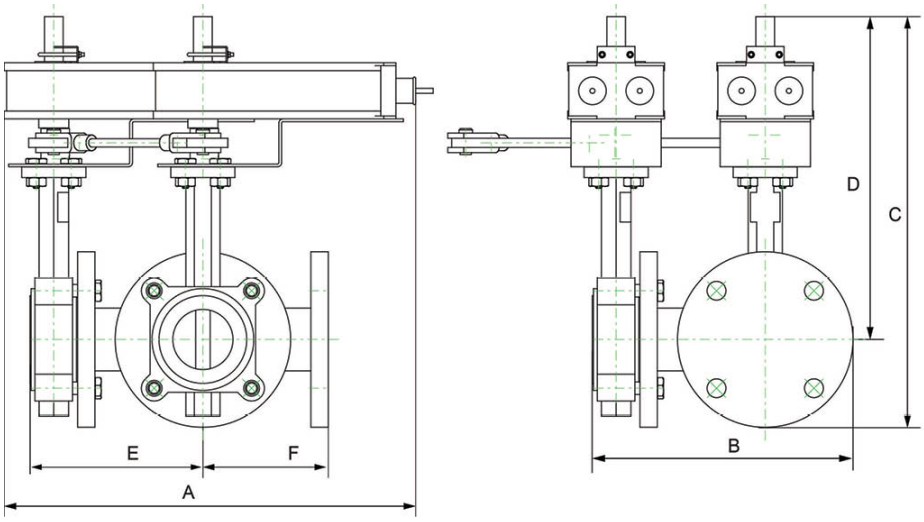
Type	DN
F765HD	65

Technical data

Functional data	Valve size [mm]	2.5" [65]
	Fluid	chilled or hot water, up to 60% glycol
	Fluid Temp Range (water)	-22...250°F [-30...120°C]
	Body Pressure Rating	ANSI Class Consistent with 125, 232 psi CWP
	Close-off pressure Δps	200 psi
	Flow characteristic	modified linear
	Servicing	maintenance-free
	Flow Pattern	3-way Mixing/Diverting
	Leakage rate	0%
	Controllable flow range	90° rotation
	Cv	196
	Maximum Velocity	12 FPS
	Lug threads	5/8-11 UNC
Materials	Valve body	Ductile cast iron ASTM A536
	Body finish	epoxy powder coating (blue RAL 5002)
	Stem	416 stainless steel
	Seat	EPDM
	Pipe connection	for use with ANSI class 125/150 flanges
	Bearing	RPTFE
	Disc	304 stainless steel
	Gear operator materials	Gears - hardened steel
Suitable actuators	Non-Spring	GMB(X)
	Spring	(2*AFB(X))

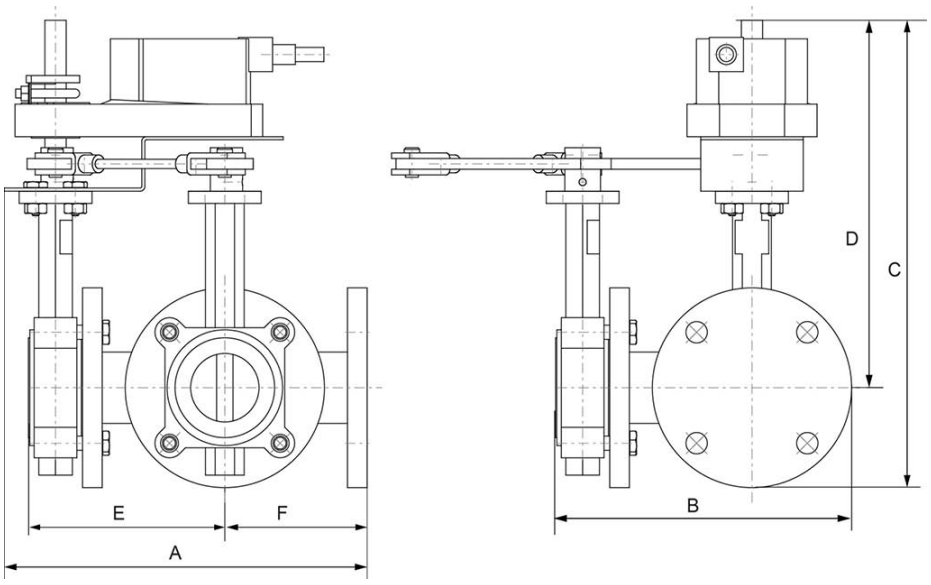
Dimensions

Type	DN	Weight
F765HD	65	41.8 lb [19 kg]



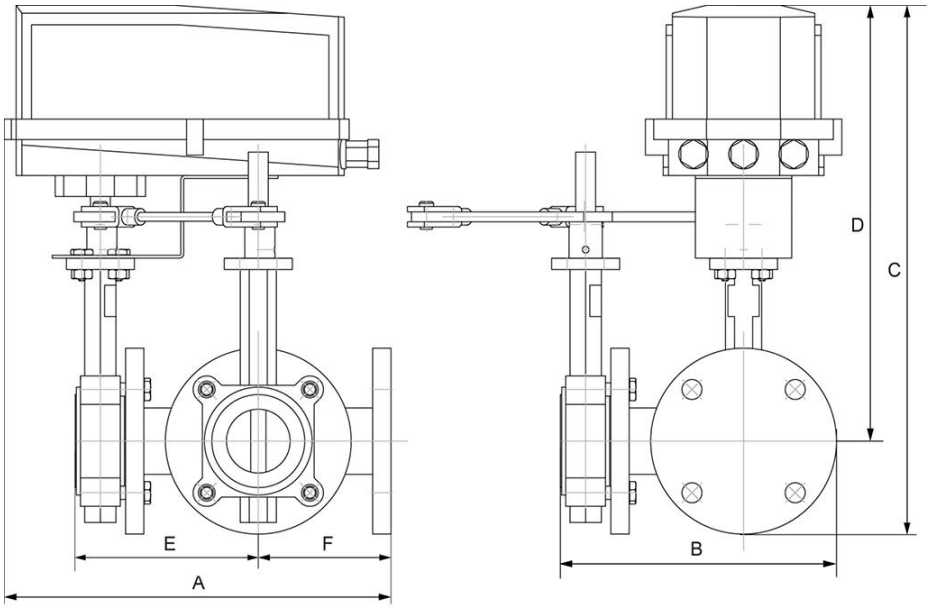
Valve with 2*AFX Actuator

A	B	C	D	E	F	Number of Bolt Holes
16.0" [406]	10.4" [264]	16.4" [416]	12.9" [328]	6.8" [172]	5.0" [127]	4



Valve with GK/GM Actuator

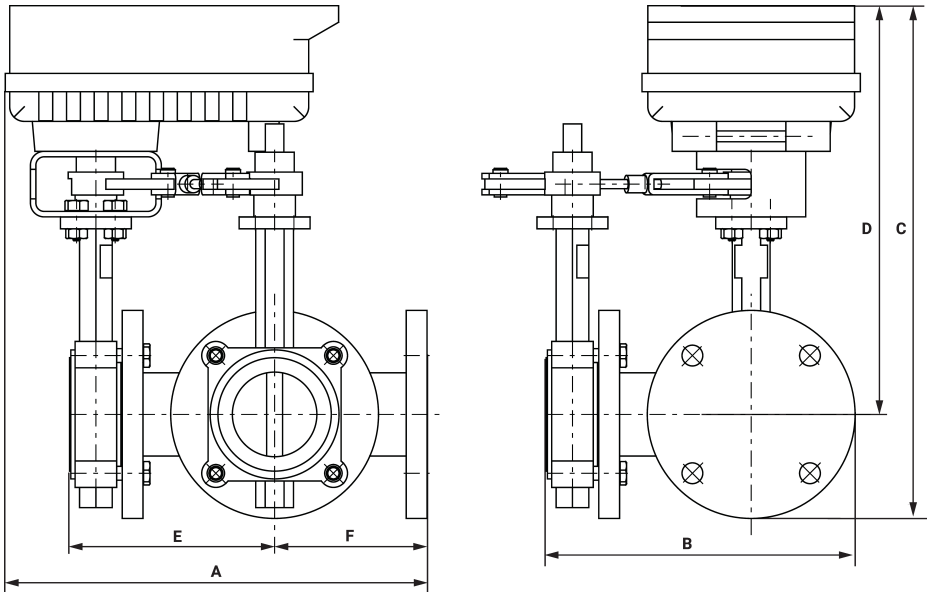
A	B	C	D	E	F	Number of Bolt Holes
12.4" [316]	10.4" [264]	16.4" [416]	12.9" [328]	6.8" [172]	5.0" [127]	4



Valve with GM..N4 Actuator

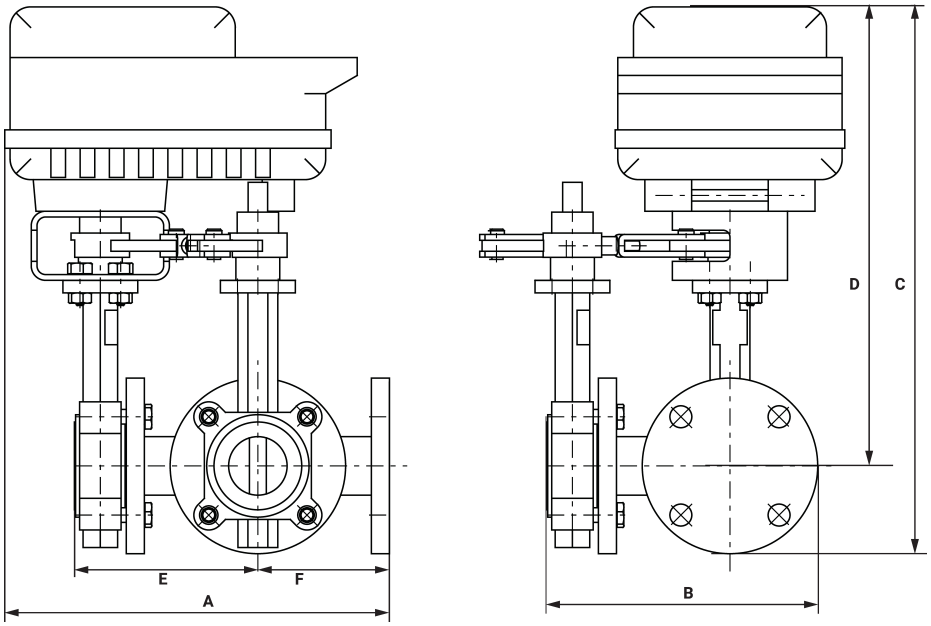
A	B	C	D	E	F	Number of Bolt Holes
14.6" [370]	10.7" [273]	19.9" [506]	16.4" [417]	6.8" [172]	5.0" [127]	4

Valve with PR Actuator



A	B	C	D	E	F	Number of Bolt Holes
14.3" [364]	10.8" [274]	18.0" [458]	14.5" [368]	6.8" [172]	5.0" [127]	4

Valve with PK Actuator

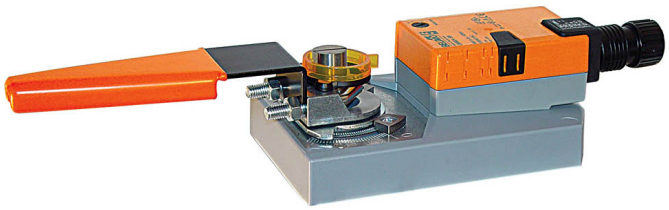


A	B	C	D	E	F	Number of Bolt Holes
14.3" [364]	10.8" [274]	19.7" [501]	16.2" [411]	6.8" [172]	5.0" [127]	4

BELIMO

Modulating, Non-Spring Return, AC 100...240 V, for DC 2...10 V or 4...20 mA

Technical data sheet GMCX120-SR-T-X1



5-year warranty

LISTED 94 D5 TEMP. IND. & REG. EQUIP. c UL us

Technical data

Electrical data	Nominal voltage	AC 100...240 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 85...265 V
	Power consumption in operation	6 W
	Power consumption in rest position	2 W
	Electrical Connection	1/2" conduit connector, screw terminals
	Overload Protection	electronic throughout 0...95° rotation
Functional data	Input Impedance	500 Ω
	Position feedback U	2...10 V
	Position feedback U note	Max. 0.5 mA
	Direction of motion motor	selectable with switch 0/1
	Manual override	external push button
	Angle of rotation	90°
	Angle of rotation note	adjustable with mechanical stop
	Running Time (Motor)	35 s / 90°
	Running time motor note	constant, independent of load
	Noise level, motor	60 dB(A)
	Position indication	Mechanically, pluggable
Safety data	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02 CE acc. to 2014/30/EU and 2014/35/EU
	Quality Standard	ISO 9001
	UL 2043 Compliant	Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-22...122°F [-30...50°C]
	Storage temperature	-40...176°F [-40...80°C]
	Servicing	maintenance-free
Weight	Weight	3.53 lb [1.6 kg]
Materials	Housing material	Galvanized steel and plastic housing

Footnotes †Rated Impulse Voltage 4kV, Type of action 1, Control Pollution Degree 3.

Electrical installation

INSTALLATION NOTES

1 Provide overload protection and disconnect as required.
2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
5 Only connect common to negative (-) leg of control circuits.
16 Actuators are provided with a numbered screw terminal strip instead of a cable.
Meets cULus requirements without the need of an electrical ground connection.

Warning! Live electrical components!
During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

Wiring diagrams

2...10 V / 4...20 mA Control AC 100...240 V