BELIMO

Resilient Seat, 304 Stainless Steel Disc

Technical data sheet F6100HD

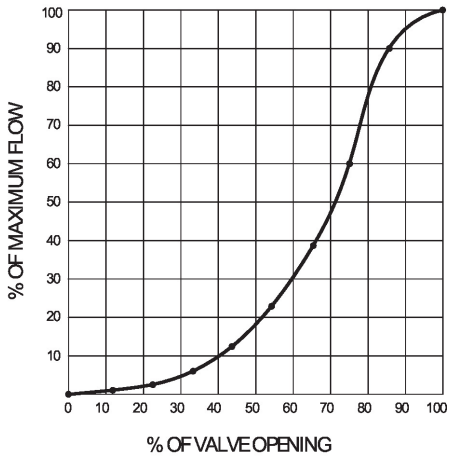
5-year warranty

Technical data

Functional data	Valve Size	4" [100]
	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 equal percentage
	Servicing	maintenance-free
	Rangeability Sv	10:1 (for 30...70° range)
	Flow Pattern	2-way
	Leakage rate	0%
	Controllable flow range	90° rotation
	Cv	600
	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)
	Spindle	416 stainless steel
	Spindle seal	EPDM (lubricated)
	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	(2*GMB(X)) DRB(X) PRB(X)
	Electrical fail-safe	PKRB(X)

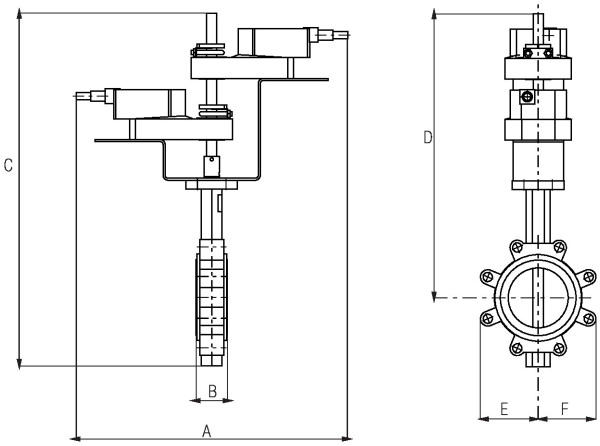
Product features

Flow/Mounting details



Dimensions

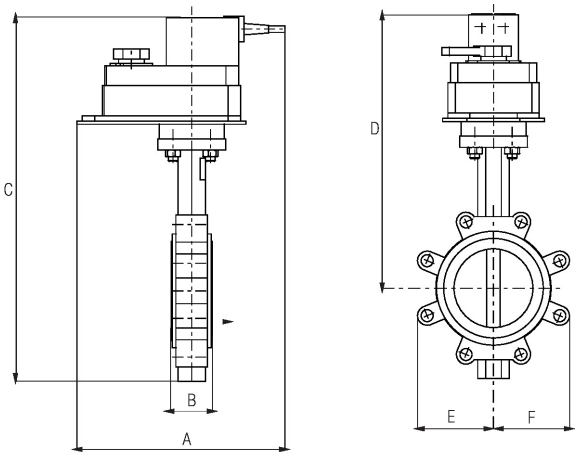
Dimensional drawings



Valve with 2*GK/2*GM Actuator

Type	DN	Weight [kg] [kg]
F6100HD	100	5.7

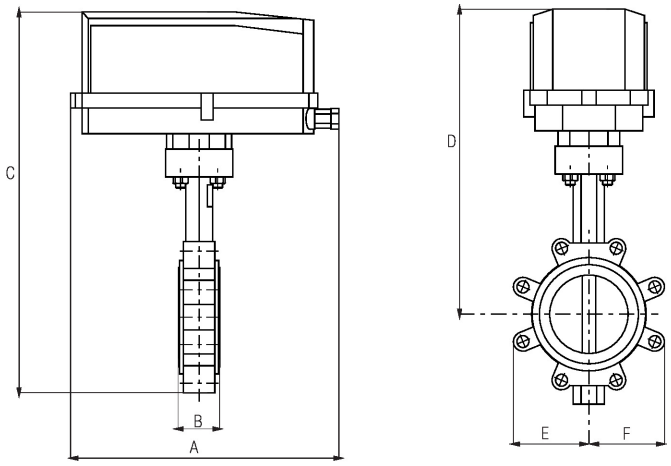
A	B	C	D	E	F	Number of Bolt Holes
17.9" [454]	2.0" [52]	22.8" [578]	18.5" [470]	3.9" [100]	3.9" [100]	8



Valve with DK/DR Actuator

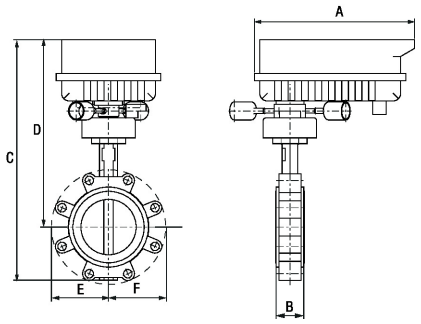
A	B	C	D	E	F	Number of Bolt Holes
11.3" [286]	2.2" [56]	17.0" [433]	13.0" [331]	4.3" [110]	4.3" [110]	8

Valve with DKR..N4, DR..N4 Actuator



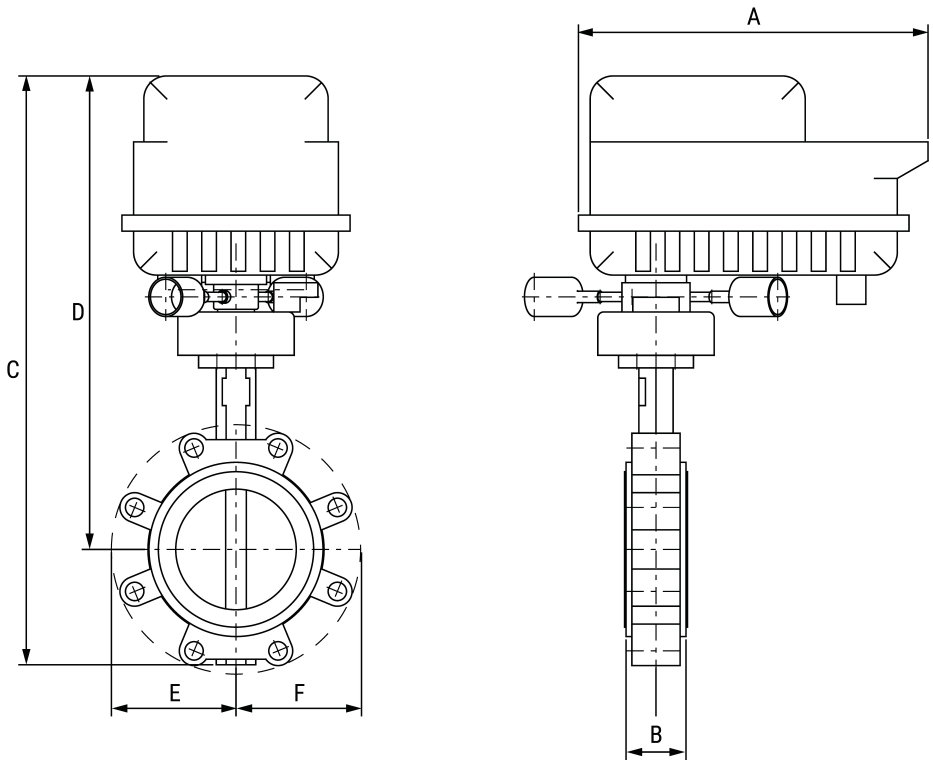
A	B	C	D	E	F	Number of Bolt Holes
14.1" [358]	2.1" [54]	19.0" [483]	15.2" [387]	4.3" [110]	4.3" [110]	8

Valve with PRB(X) Actuator



A	B	C	D	E	F	Number of Bolt Holes
12.0" [304]	2.1" [54]	17.9" [454]	13.9" [354]	4.3" [110]	4.3" [110]	8

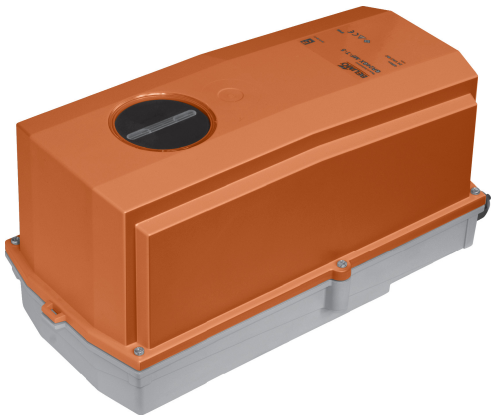
Valve with PKR Actuator



A	B	C	D	E	F	Number of Bolt Holes
12.0" [304]	2.1" [54]	20.0" [509]	16.2" [411]	4.3" [110]	4.3" [110]	8

BELIMO

Technical data sheet DRCX120-3 N4



5-year warranty

Technical data

Electrical data	Nominal voltage	AC 100...240 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	6 W
	Power consumption in rest position	2 W
	Transformer sizing	11 VA (class 2 power source)
	Electrical Connection	Screw terminal (for 22 to 12 AWG wire)
	Overload Protection	electronic thoughout 0...90° rotation
Functional data	Direction of motion motor	selectable with switch 0/1
	Manual override	under cover
	Running Time (Motor)	35 s / 90°
	Running time motor note	constant, independent of load
	Noise level, motor	45 dB(A)
	Position indication	Mechanically, 5...20 mm stroke
Safety data	Degree of protection IEC/EN	IP66/67
	Degree of protection NEMA/UL	NEMA 4X
	Enclosure	UL Enclosure Type 4X
	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
	Ambient temperature	-22...122°F [-30...50°C]
	Ambient temperature note	-40...50°C for actuator with integrated heating
	Storage temperature	-40...176°F [-40...80°C]
	Ambient humidity	Max. 100% RH
	Servicing	maintenance-free
Materials	Housing material	Die cast aluminium and plastic casing

Footnotes Control Signal must be specified at time of order. Control cannot be changed via field wiring.

Electrical installation

INSTALLATION NOTES

Provide overload protection and disconnect as required.

Actuators are provided with a numbered screw terminal strip instead of a cable.

Meets cULus requirements without the need of an electrical ground connection.

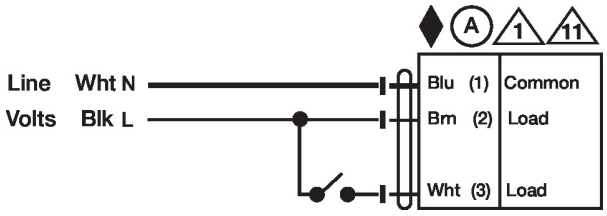
Warning! Live electrical components!

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

On/Off AC 100...240 V



Dimensions