

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



5-year warranty

Type overview

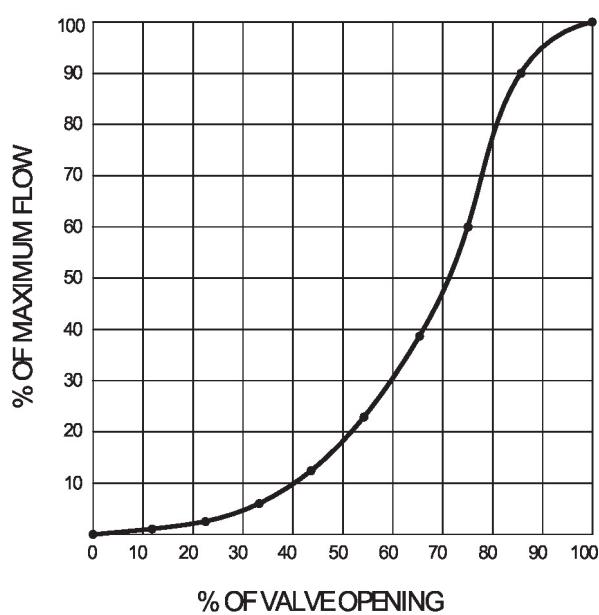
Type	DN
F6100HD	100

Technical data

Functional data	Valve size [mm]	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
Leakage rate		0% leakage, leakage rateA
Pipe connection		Flange for use with ASME/ANSI class 125/150
Servicing		maintenance-free
Flow Pattern		2-way
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)
	Stem	416 stainless steel
	Stem seal	EPDM (lubricated)
	Seat	EPDM
	Bearing	RPTFE
	Disc	304 stainless steel
Suitable actuators	Non Fail-Safe	2*GMB(X) DRB(X) PRB(X)
	Electrical fail-safe	PKRB(X)

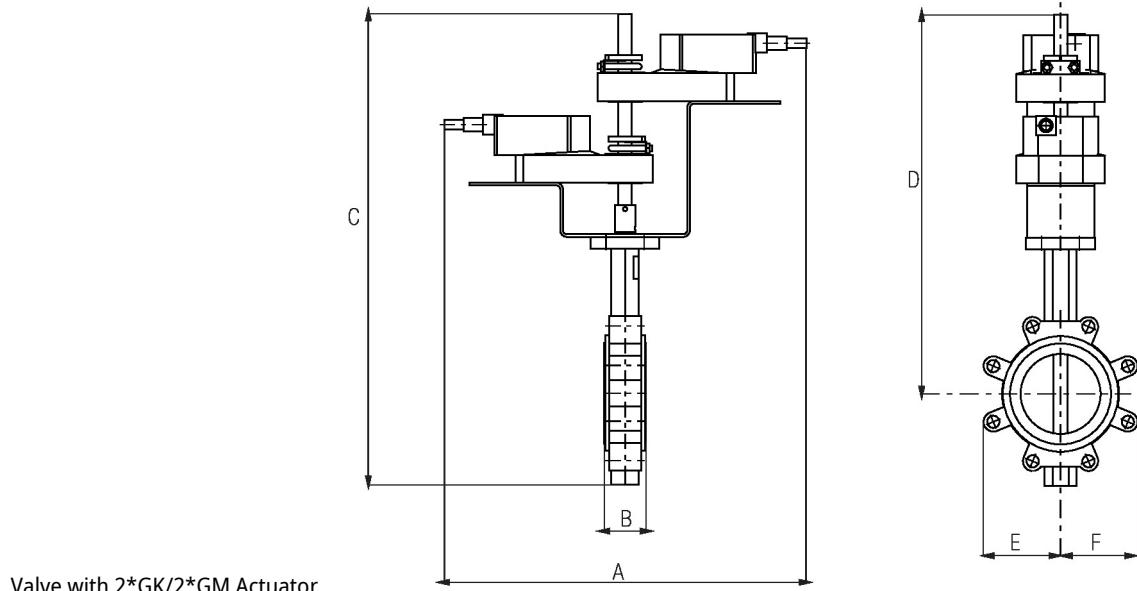
Product features

Flow/Mounting details

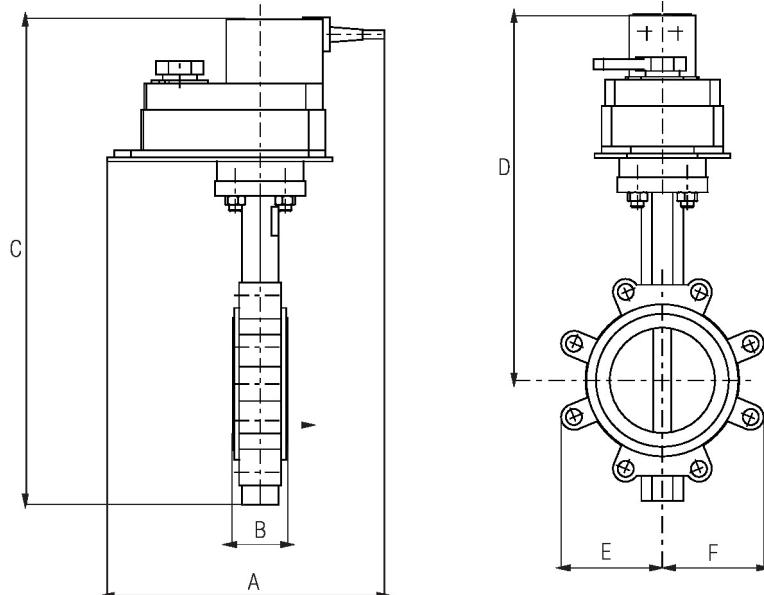


Dimensions

Type	DN	Weight
F6100HD	100	28 lb [13 kg]

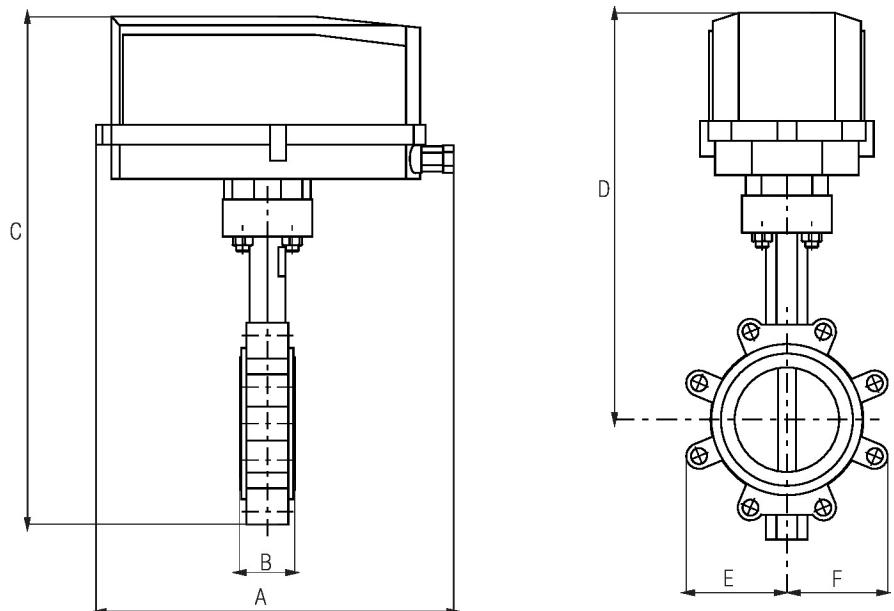


A	B	C	D	E	F	Number of Bolt Holes
17.9" [454]	2.0" [52]	22.8" [578]	18.5" [470]	3.9" [100]	3.9" [100]	8



Valve with DK/DR Actuator

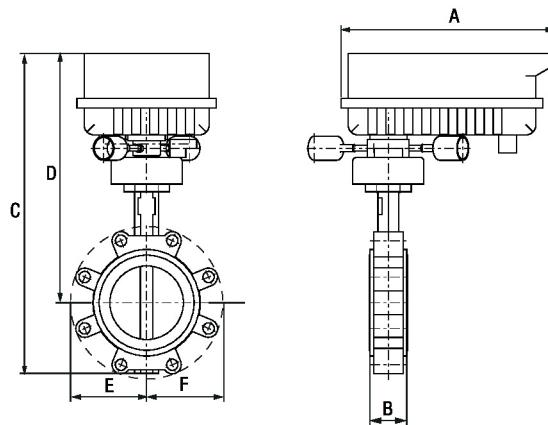
A	B	C	D	E	F	Number of Bolt Holes
11.3" [286]	2.0" [52]	17.0" [433]	13.0" [331]	4.3" [110]	4.3" [110]	8



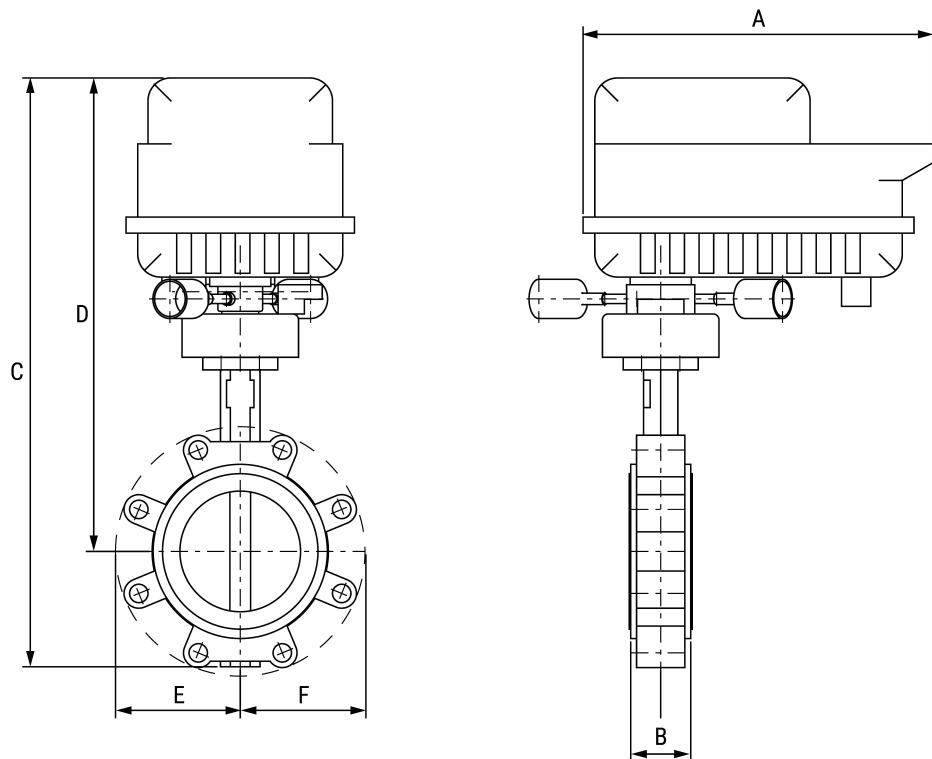
Valve with DKR..N4, DR..N4 Actuator

A	B	C	D	E	F	Number of Bolt Holes
14.1" [358]	2.0" [52]	19.0" [483]	15.2" [387]	4.3" [110]	4.3" [110]	8

Dimensions



A	B	C	D	E	F	Number of Bolt Holes
12.0" [304]	2.0" [52]	17.9" [454]	13.9" [354]	4.3" [110]	4.3" [110]	8



A	B	C	D	E	F	Number of Bolt Holes
12.0" [304]	2.0" [52]	20.0" [509]	16.2" [411]	4.3" [110]	4.3" [110]	8



5-year warranty



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
	Transformer sizing	11 VA
	Electrical Connection	Screw terminal (for 22 to 12 AWG wire)
	Overload Protection	electronic throughout 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	Mechanical, 5...20 mm stroke
Safety data	Power source UL	Class 2 Supply
	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 humidity	Max. 100% RH
	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]
	Servicing	maintenance-free
Weight	Weight	10 lb [4.6 kg]
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.	

Accessories

Factory add-on option only	Description	Type
	Heater, with adjustable thermostat	ACT_PACK_H
	Heater, with adjustable thermostat	ACT_PACK_Y

INSTALLATION NOTES

1 Provide overload protection and disconnect as required.
16 Actuators are provided with a numbered screw terminal strip instead of a cable.

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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

