

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
F6100HDU	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		50 psi
Flow characteristic		modified equal percentage
Leakage rate		0%
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	GRB(X)

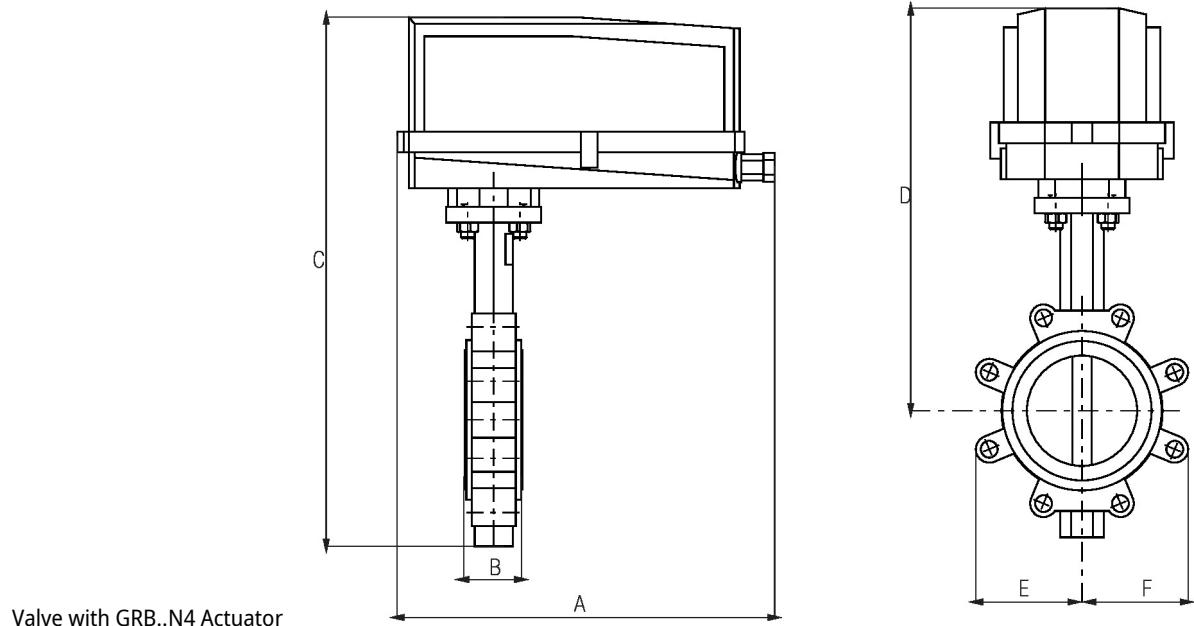
Product features

Flow/Mounting details



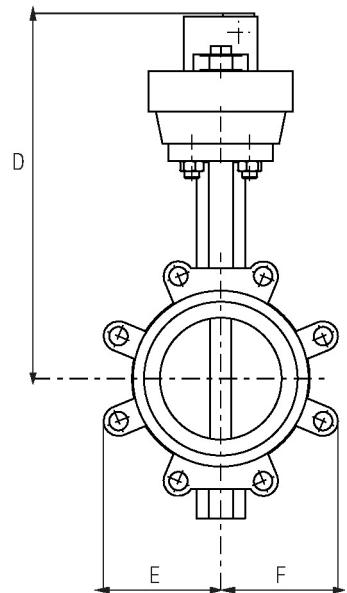
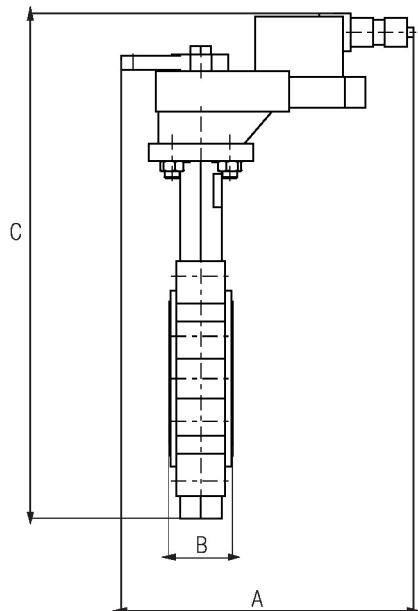
Dimensions

Type	DN	Weight
F6100HDU	100	13 lb [5.9 kg]



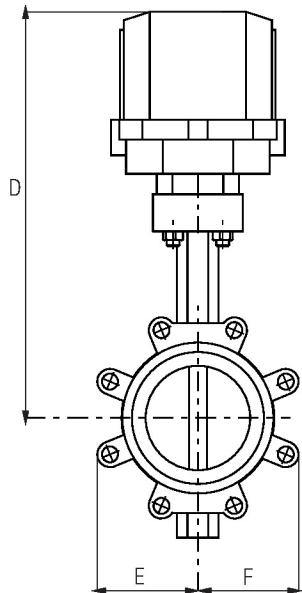
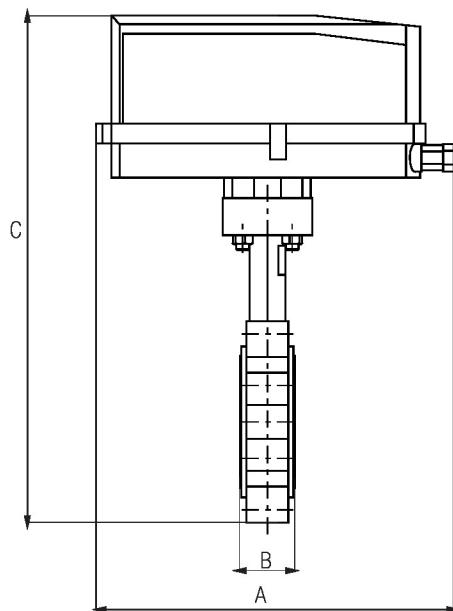
A	B	C	D	E	F	Number of Bolt Holes
14.5" [368]	2.2" [56]	18.8" [477]	14.8" [377]	4.3" [110]	4.3" [110]	8

Dimensions



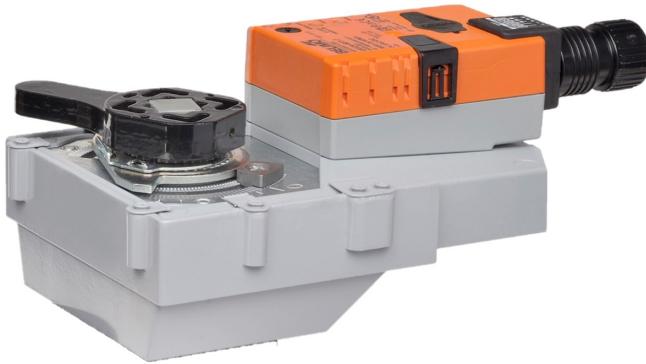
Valve with GRB(X)/GRCB(X) Actuator

A	B	C	D	E	F	Number of Bolt Holes
10.8" [275]	2.2" [56]	15.7" [400]	11.7" [298]	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]	15.0" [381]	4.3" [110]	4.3" [110]	8



5-year warranty

**Technical data**

Electrical data	Nominal voltage	AC/DC 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	18 GA plenum cable, 1 m, with 1/2" NPT conduit connector, degree of protection NEMA 2 / IP54
	Overload Protection	electronic throughout 0...90° rotation
Functional data	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	integrated into handle
Safety data	Power source UL	Class 2 Supply
	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	2.7 lb [1.2 kg]
Materials	Housing material	Galvanized steel and plastic housing

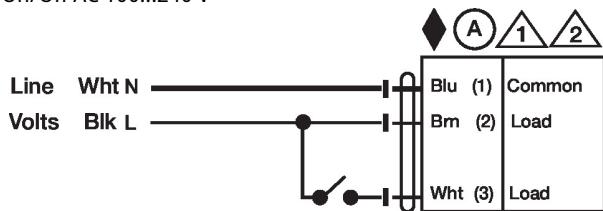
Footnotes †Rated Impulse Voltage 2.5kV, Type of Action 1.AA, Control Pollution Degree 3.

☒ INSTALLATION NOTES

- Ⓐ Actuators with appliance cables are numbered.
- ⚠ 1 Provide overload protection and disconnect as required.
- ⚠ 2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- ◆ 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



Floating Point AC 100...240 V

