

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

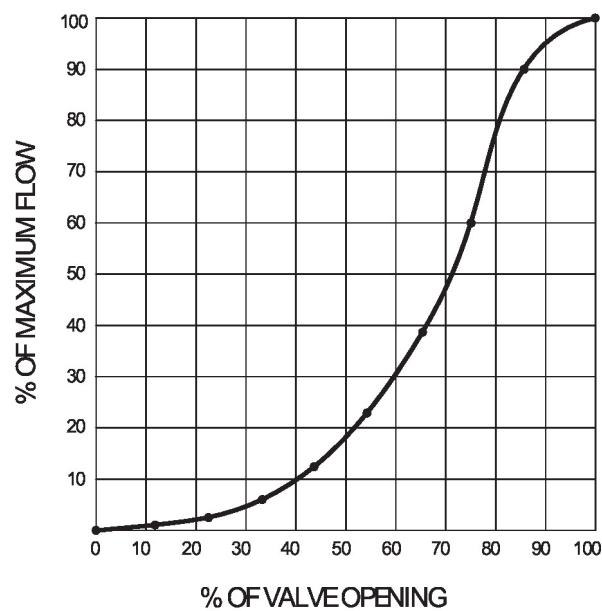
| Type | DN |
|----------|-----|
| F6125HDU | 125 |

Technical data

| Functional data | Valve size [mm] | 5" [125] |
|--------------------------|------------------------------------------------|-----------------------------|
| 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 | 1022 | |
| Maximum Velocity | 12 FPS | |
| Lug threads | 3/4-10 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) PRB(X) |

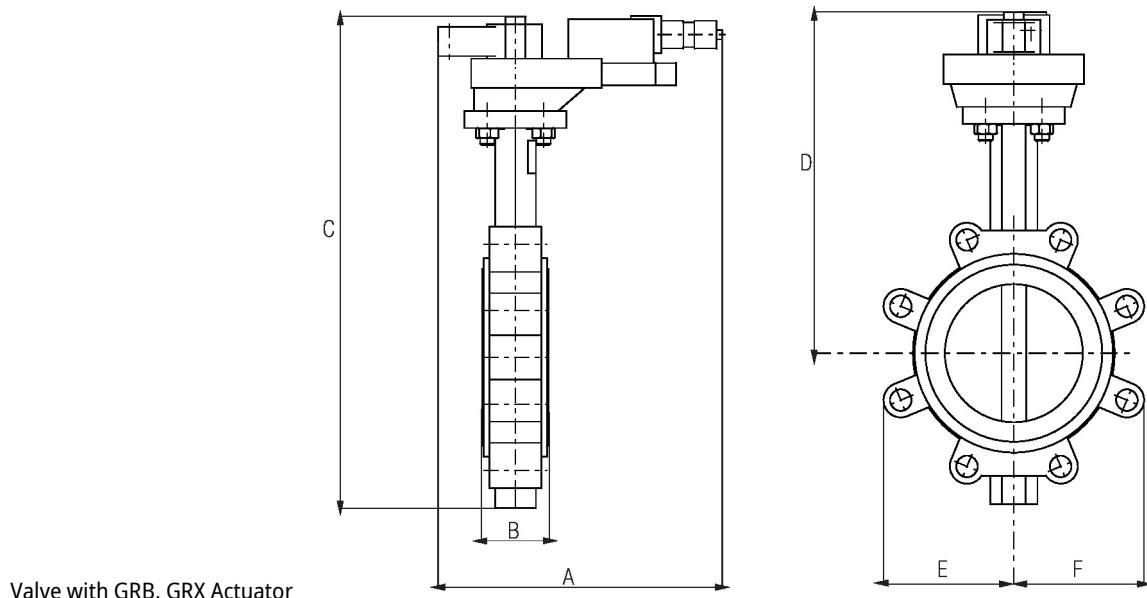
Product features

Flow/Mounting details



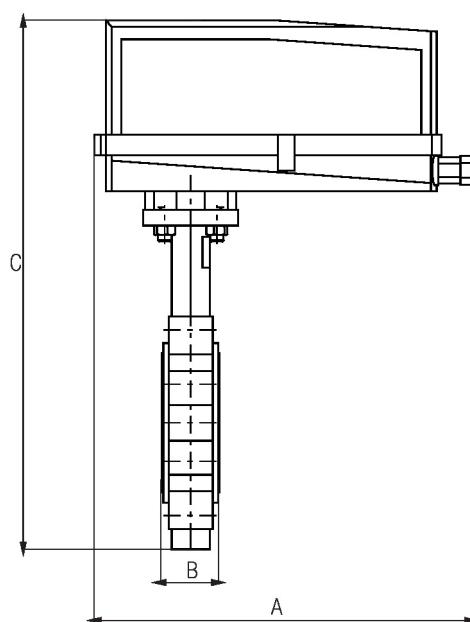
Dimensions

| Type | DN | Weight |
|----------|-----|----------------|
| F6125HDU | 125 | 16 lb [7.5 kg] |

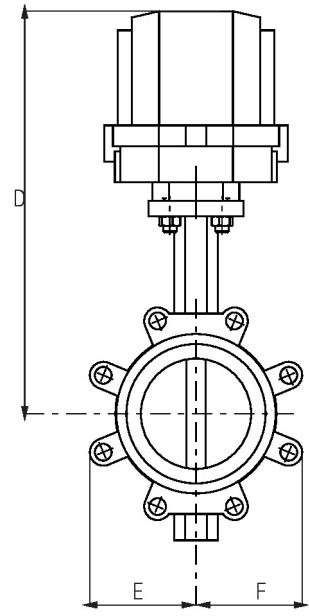


| A | B | C | D | E | F | Number of Bolt Holes |
|-------------|-----------|-------------|-------------|------------|------------|----------------------|
| 10.8" [275] | 2.3" [58] | 16.7" [425] | 12.4" [315] | 4.9" [124] | 4.9" [125] | 8 |

Dimensions



Valve with GRB..N4, GRX..N4 Actuator



| A | B | C | D | E | F | Number of Bolt Holes |
|-------------|-----------|-------------|-------------|------------|------------|----------------------|
| 14.4" [366] | 2.3" [58] | 19.8" [502] | 15.4" [391] | 4.9" [124] | 4.9" [125] | 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 |

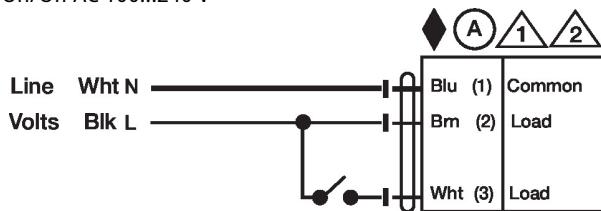
Footnotes †Rated Impulse Voltage 2.5kV, Type of Action 1.AA, Control Pollution Degree 3.

☒ 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

