

Potable water valve, 2-way, Flange

- For potable water applications
- NSF/ANSI 372 - Lead Free
- NSF/ANSI 61 – CLD 23 – Water Quality
- CRN: OC/2102CL
- MSS SP67-2002a



2-year warranty



Technical data

| Functional data | Valve size [mm] | 2.5" [65] |
|---------------------------------|---|---------------------------------------|
| Fluid | Potable water | |
| Fluid Temp Range (water) | -30...120°C [-22...250°F] | |
| Body Pressure Rating | ANSI Class Consistent with 125, 200 psi CWP | |
| Close-off pressure Δp_s | 150 psi | |
| Flow characteristic | modified equal percentage | |
| Leakage rate | 0% | |
| Pipe connection | Flange for use with ASME/ANSI class 125/150 | |
| Installation orientation | upright to horizontal (in relation to the stem) | |
| Servicing | maintenance-free | |
| Rangeability S_v | 30:1 (for 30...70° range) | |
| Flow Pattern | 2-way | |
| Controllable flow range | 90° rotation | |
| C_v | 196 | |
| Maximum Velocity | 12 FPS | |
| Lug threads | 5/8-11 UNC | |
| Materials | Valve body | Ductile cast iron ASTM A536 |
| | Body finish | Epoxy powder coating (black RAL 9005) |
| | Stem | 416 stainless steel |
| | Stem seal | Buna-N |
| | Seat | EPDM |
| | Bearing | RPTFE |
| | Disc | Aluminum Bronze |
| Suitable actuators | Non Fail-Safe | AMB(X) |
| | Spring | AF |
| | Electrical fail-safe | GRCB(X) GKRB(X) |

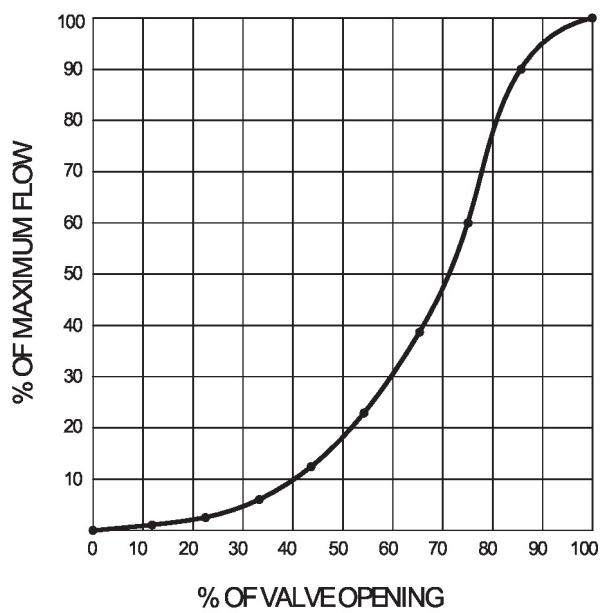
Safety notes



- The valve has to be exercised at least once a week, so that the quality of potable water as well as the functionality are not affected.

Product features

Flow/Mounting details



Operating mode The valve is adjusted by a rotary actuator. The rotary actuator is connected by an on/off signal. Open the ball valve counterclockwise and close it clockwise.

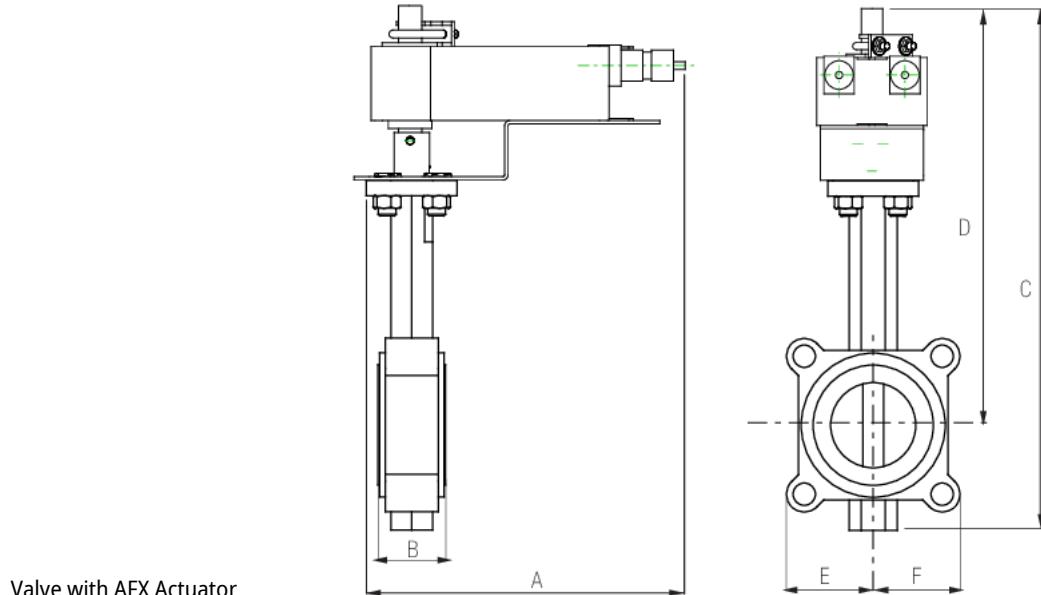
Dimensions

DN

65

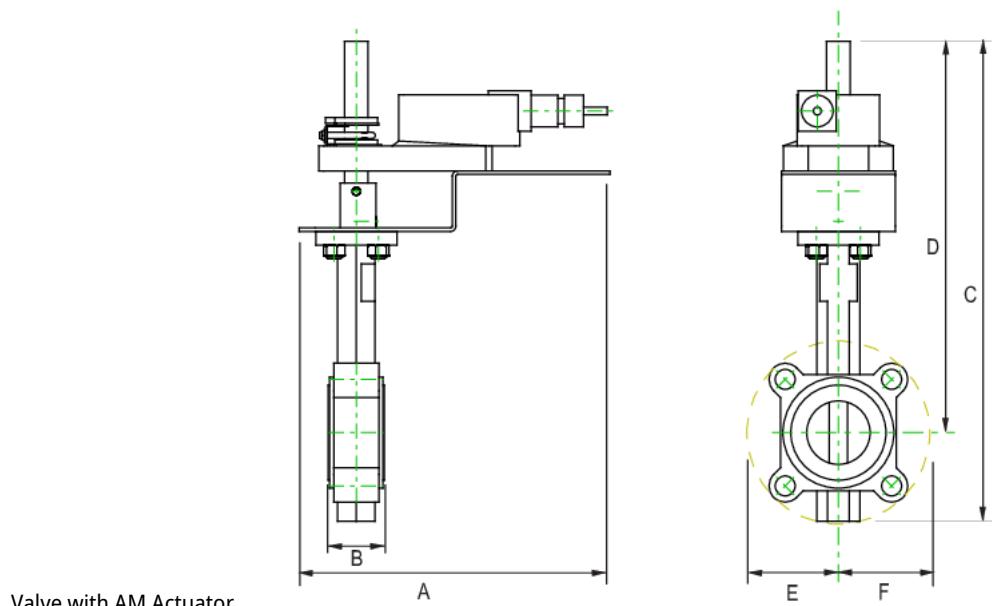
Weight

kg

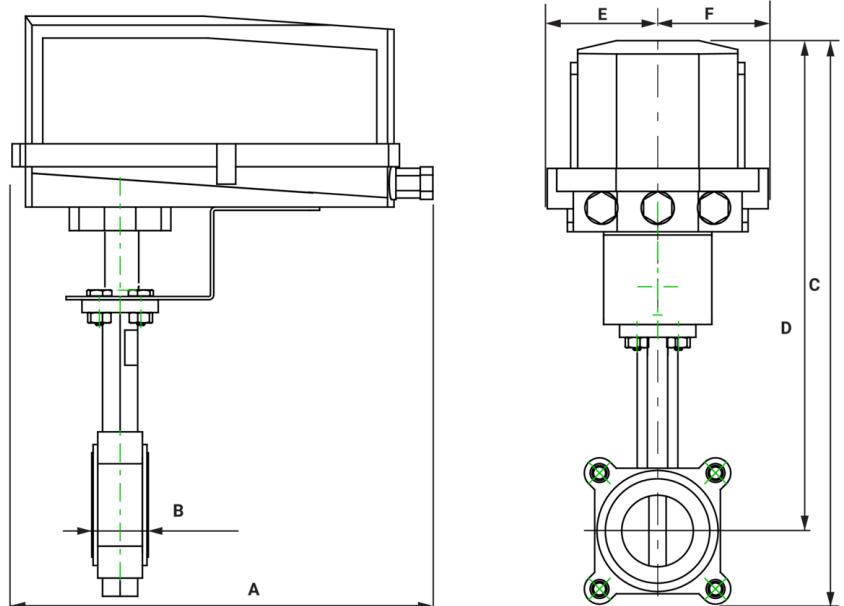


| A | B | C | D | E | F | Number of Bolt Holes |
|-------------|-----------|-------------|-------------|-----------|-----------|----------------------|
| 10.1" [257] | 1.9" [49] | 16.0" [406] | 12.9" [328] | 3.5" [89] | 3.5" [89] | 4 |

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| A | B | C | D | E | F | Number of Bolt Holes |
|-------------|-----------|-------------|-------------|-----------|-----------|----------------------|
| 14.1" [358] | 1.9" [49] | 21.7" [550] | 18.5" [470] | 3.4" [86] | 3.4" [86] | 4 |

On/Off, Floating point, Electronic fail-safe, 24 V



5-year warranty



Technical data

| Electrical data | Nominal voltage | AC 24 V |
|-----------------|------------------------------------|--|
| | Nominal voltage frequency | 50/60 Hz |
| | Nominal voltage range | AC 19.2...28.8 V |
| | Power consumption in operation | 12 W |
| | Power consumption in rest position | 3 W |
| | Transformer sizing | 21 VA |
| | Electrical Connection | 18 AWG plenum cable, 1 m, with 1/2" NPT conduit connector |
| | Overload Protection | electronic throughout 0...90° rotation |
| Functional data | Bridging time (PF) | 2 s |
| | Pre-charging time | 5...20 s |
| | Direction of motion motor | selectable with switch 0/1 |
| | Direction of motion fail-safe | reversible with switch |
| | Manual override | under cover |
| | Angle of rotation | Max. 95° |
| | Angle of rotation note | adjustable with mechanical stop |
| | Running Time (Motor) | 150 s / 90° |
| | Running time motor note | constant, independent of load |
| | Running time motor variable | 90 or 150 s |
| | Running time fail-safe | <35 s |
| | Noise level, motor | 52 dB(A) |
| | Noise level, fail-safe | 61 dB(A) |
| | Position indication | Mechanical, 30...65 mm stroke |
| Safety data | Power source UL | Class 2 Supply |
| | Degree of protection IEC/EN | IP66/67 |
| | Degree of protection NEMA/UL | NEMA 4X |
| | Housing | UL Enclosure Type 4X |
| | Agency Listing | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1, CSA C22.2 No 24-93, CE acc. to 89/336/EC |
| | Quality Standard | ISO 9001 |
| | Ambient humidity | Max. 100% RH |

| | | |
|--------------------|--------------------------|---|
| Safety data | Ambient temperature | -22...122°F [-30...50°C] |
| | Ambient temperature note | -40...50°C [104...122°F] for actuator with integrated heating |
| | Storage temperature | -40...176°F [-40...80°C] |
| | Servicing | maintenance-free |
| Weight | Weight | 7.7 lb [3.5 kg] |
| Materials | Housing material | Die cast aluminium and plastic casing |

Footnotes †Rated Impulse Voltage 800V, Type of action 1.AA, Control Pollution Degree 3

Accessories

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

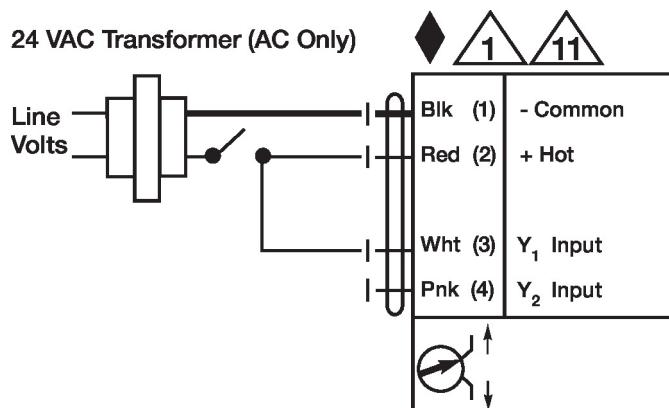
Electrical installation

☒ 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.
- ⚠ 3 Actuators may also be powered by DC 24 V.
- ⚠ 11 Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.
- ⚠ 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

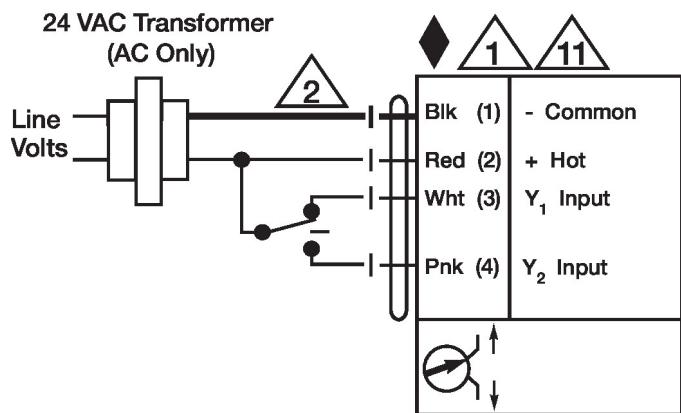
On/Off



Electrical installation

Wiring diagrams

Floating Point



NEMA 4 Heater

