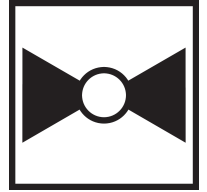




5-year warranty


**Type overview**

| Type    | DN | ANSI Class |
|---------|----|------------|
| G232S-M | 32 | 250        |

**Technical data**

| Functional data                       | Fluid      | chilled or hot water, up to 60% glycol, steam |
|---------------------------------------|------------|---|
| Body Pressure Rating                  |            | ANSI Class 250, up to 400 psi below 150°F     |
| Servicing                             |            | repack kits available                         |
| Rangeability Sv                       |            | 100:1   |
| Maximum differential pressure (water) |            | 50 psi [345 kPa]                              |
| Max Differential Pressure (Steam)     |            | 50 psi [345 kPa]                              |
| Fluid Temp Range (steam)              |            | 32...338°F [0...170°C]                        |
| Flow Pattern                          |            | 2-way   |
| Leakage rate                          |            | ANSI Class VI                                 |
| Controllable flow range               |            | stem up - open A – AB                         |
| Cv                                    |            | 20  |
| Maximum Inlet Pressure (Steam)        |            | 100 psi [690 kPa]                             |
| Fluid Temp Range (water)              |            | 20...338°F [-7...170°C]                       |
| ANSI Class                            |            | 250   |
| Body pressure rating note             |            | up to 400 psi below 150°F                     |
| Valve Size                            |            | 1.25" [32]                                    |
| Materials                             | Valve plug | 316 stainless steel                           |
| Seat                                  |            | Stainless steel AISI 316                      |
| End fitting                           |            | NPT female ends                               |

**Safety notes**


**WARNING:** This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

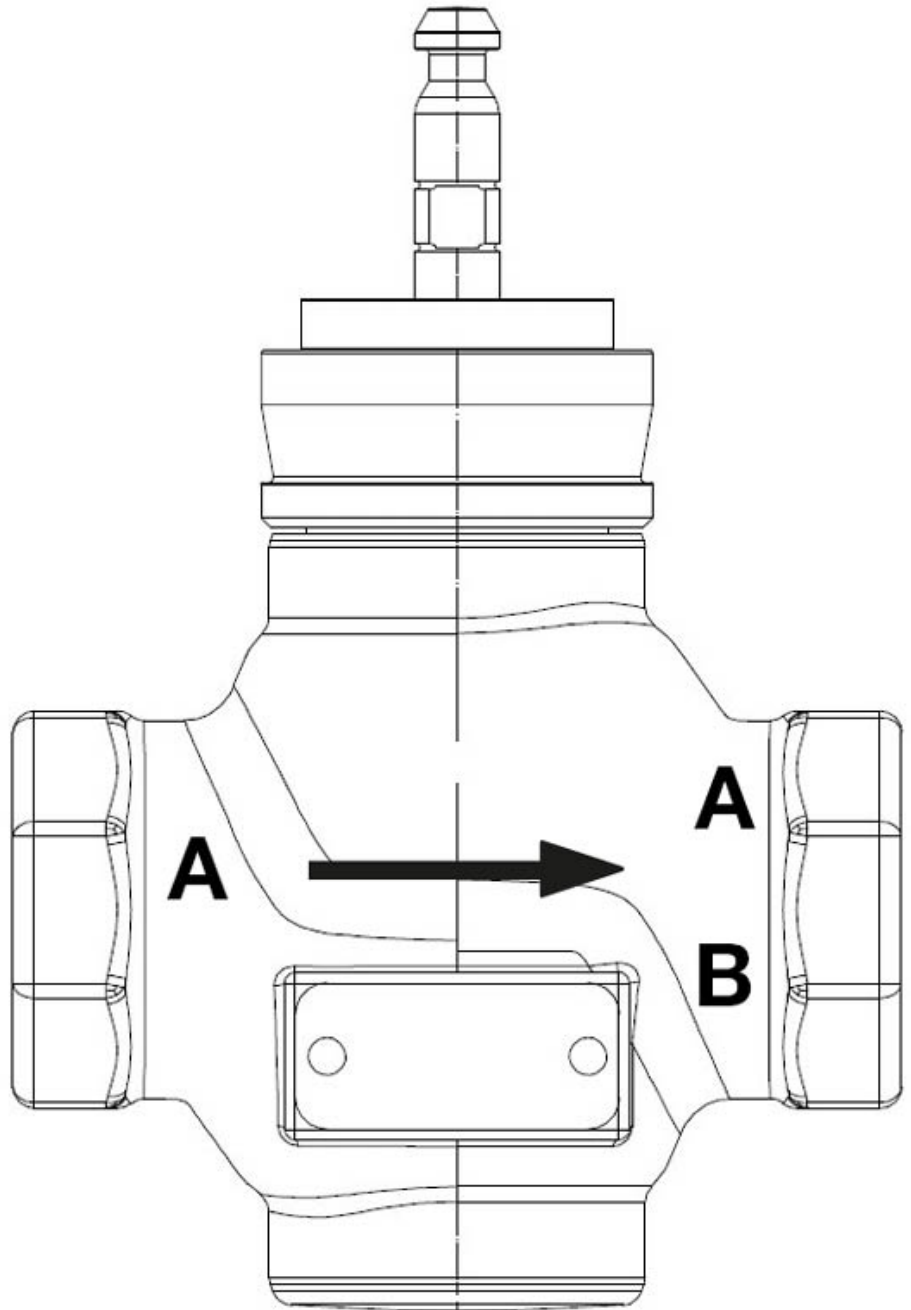
**Product features**

**Application** This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include unit ventilators, VAV box re-heat coils and bypass

loops. This valve is suitable for use in hydronic systems with variable flow. Bronze and stainless steel trim valves can be used for steam applications, depending on actuator and close-off combinations.

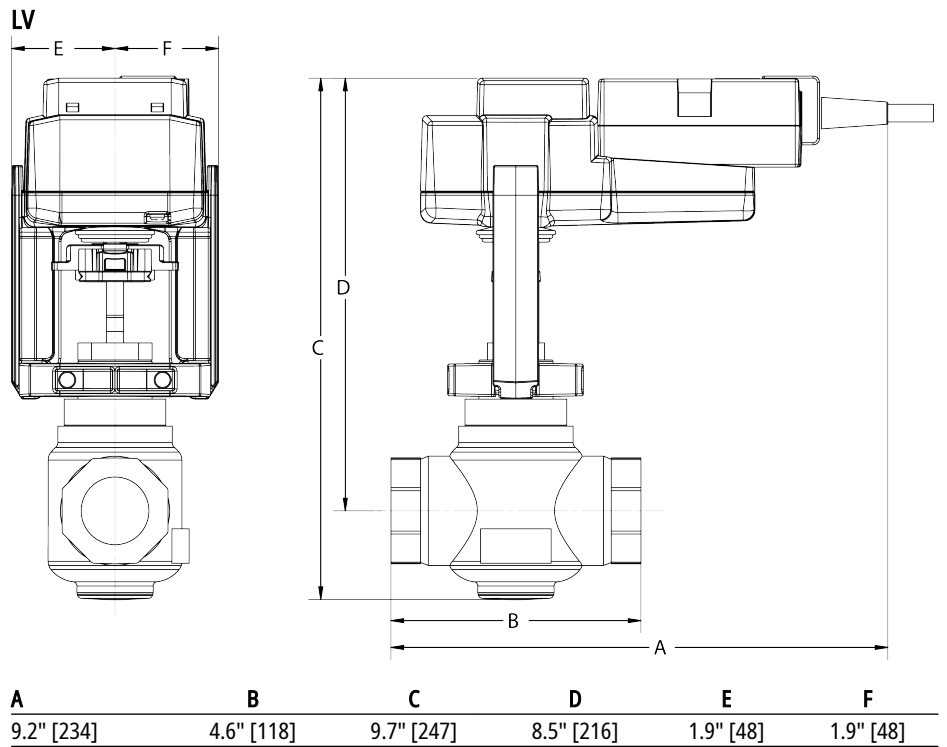
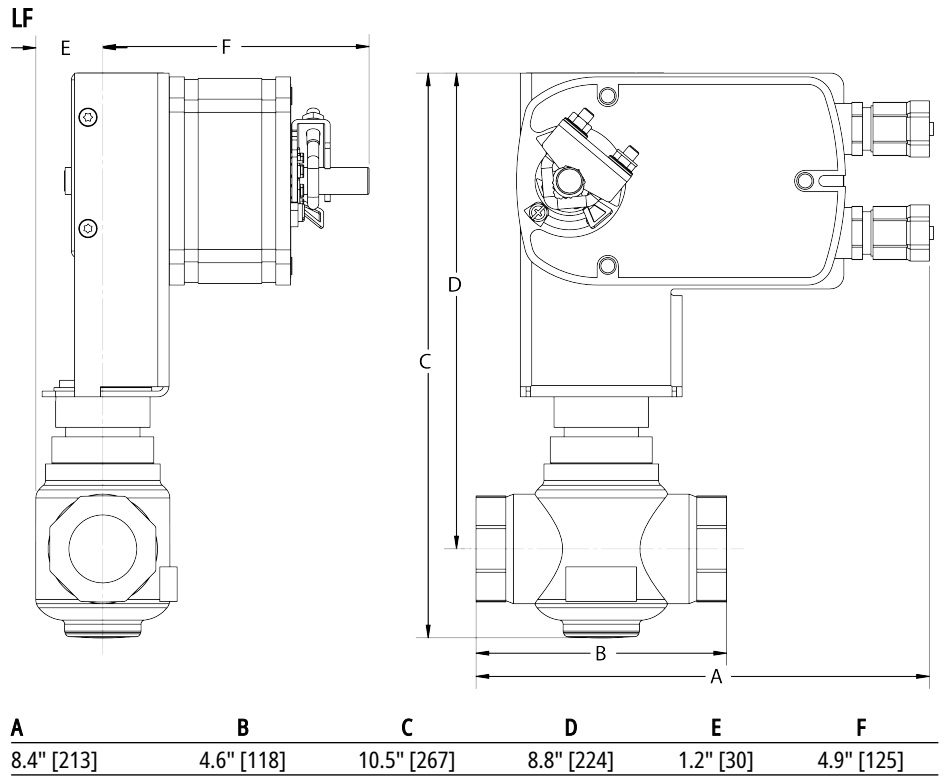
**Piping** The valves should be mounted in a weather-protected area in a location that is within the ambient limits of the actuator. Allow sufficient room for valve with actuator and for service. The G2 and G3 preferred mounting position of the valve is with the valve stem vertical above the valve body, for maximum life. However, the assemblies can be mounted with the valve stem vertical or horizontal in relation to the pipe. The actuators should never be mounted underneath the valve, as condensation can build up and result in a failure of the actuators.

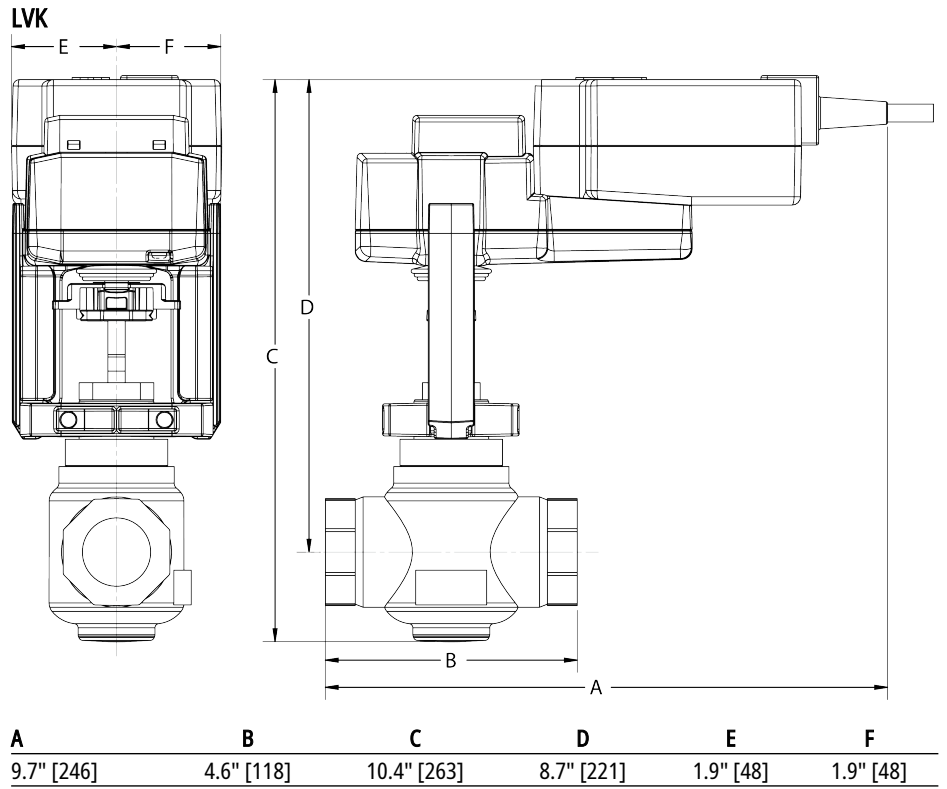
**Flow/Mounting details**



Dimensions

Dimensional drawings







5-year warranty



Technical data

|                        |                                    |  |
|------------------------|------------------------------------|--|
| <b>Electrical data</b> | Nominal voltage                    | AC 120 V   |
|                        | Nominal voltage frequency          | 50/60 Hz   |
|                        | Power consumption in operation     | 5.5 W  |
|                        | Power consumption in rest position | 3.5 W  |
|                        | Transformer sizing                 | 7.5 VA   |
|                        | Electrical Connection              | 18 GA appliance cable, 3 ft [1 m], with 1/2" conduit connector |
|                        | Overload Protection                | electronic throughout 0...95° rotation                         |
| <b>Functional data</b> | Direction of motion motor          | selectable with switch 0/1                                     |
|                        | Direction of motion fail-safe      | reversible with cw/ccw mounting                                |
|                        | Angle of rotation                  | 90°  |
|                        | Running Time (Motor)               | 75 s   |
|                        | Running time fail-safe             | <25 s @ -4...122°F [-20...50°C], <60 s @ -22°F [-30°C]         |
|                        | Running time fail-safe note        | @ -4...122°F [-20...50°C], <60 s @ -22°F [-30°C]               |
|                        | Noise level, motor                 | 50 dB(A)   |
|                        | Noise level, fail-safe             | 62 dB(A)   |
|                        | Position indication                | Mechanical   |
| <b>Safety data</b>     | Degree of protection IEC/EN        | IP54   |
|                        | Degree of protection NEMA/UL       | NEMA 2   |
|                        | Enclosure                          | UL Enclosure Type 2  |
|                        | Agency Listing                     | cULus acc. To UL 873 and CAN/CSA C22.2 No. 24-93               |
|                        | Quality Standard                   | ISO 9001   |
|                        | Ambient temperature                | -22...122°F [-30...50°C]                                       |
|                        | Storage temperature                | -40...176°F [-40...80°C]                                       |
|                        | Ambient humidity                   | max. 95% r.H., non-condensing                                  |
| Servicing              | maintenance-free                   |  |
| <b>Weight</b>          | Weight                             | 3.4 lbs (1.54 kg.)   |

Electrical installation

**INSTALLATION NOTES**

- Actuators with appliance cables are numbered.
- Provide overload protection and disconnect as required.
- Actuators may be connected in parallel if not mechanically linked. 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.

