

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

Product features

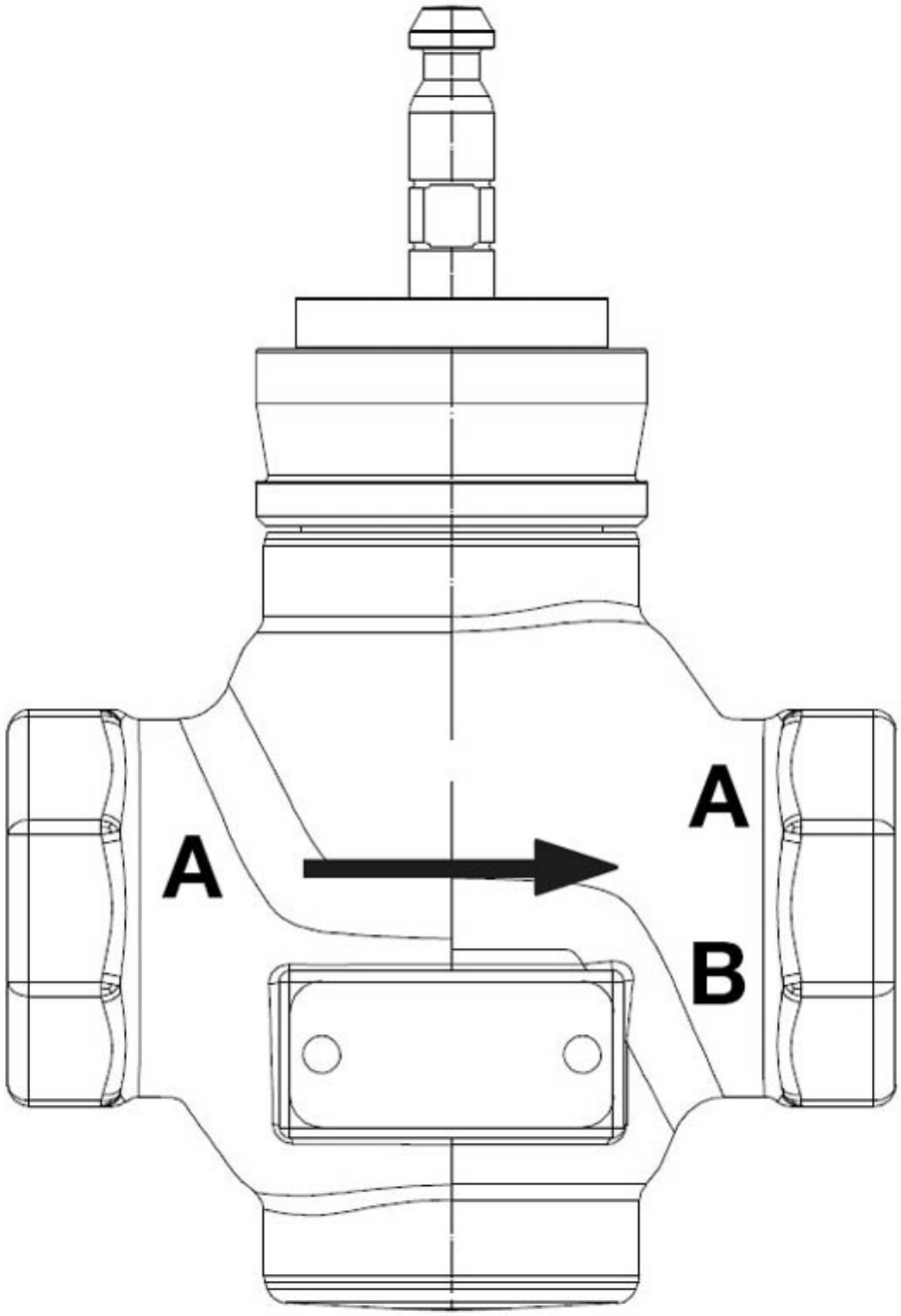
Application This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include unit ventilators, VAV box re-heat coils and bypass

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.

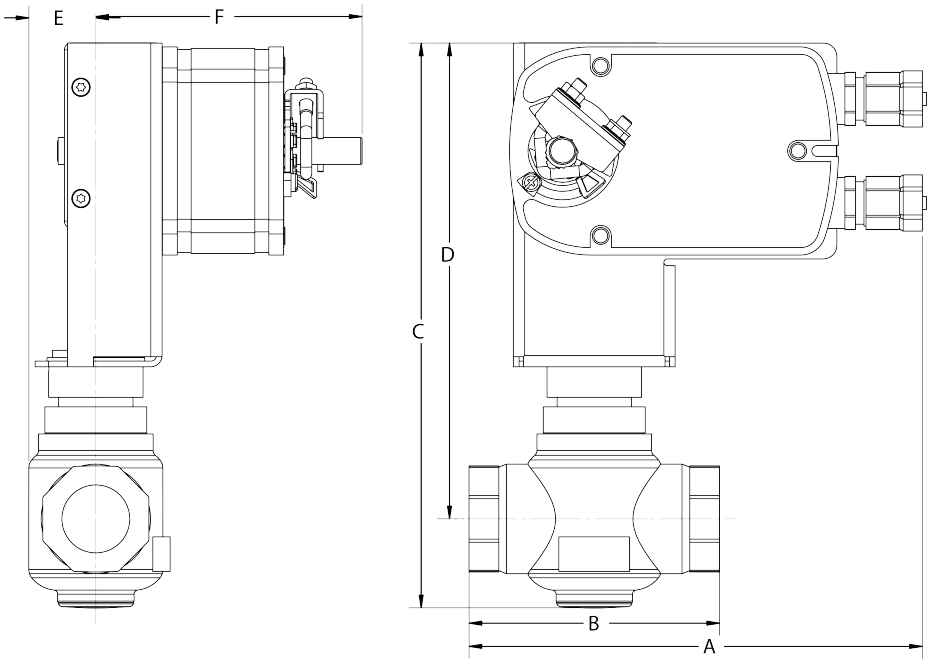
Flow/Mounting details



Dimensions

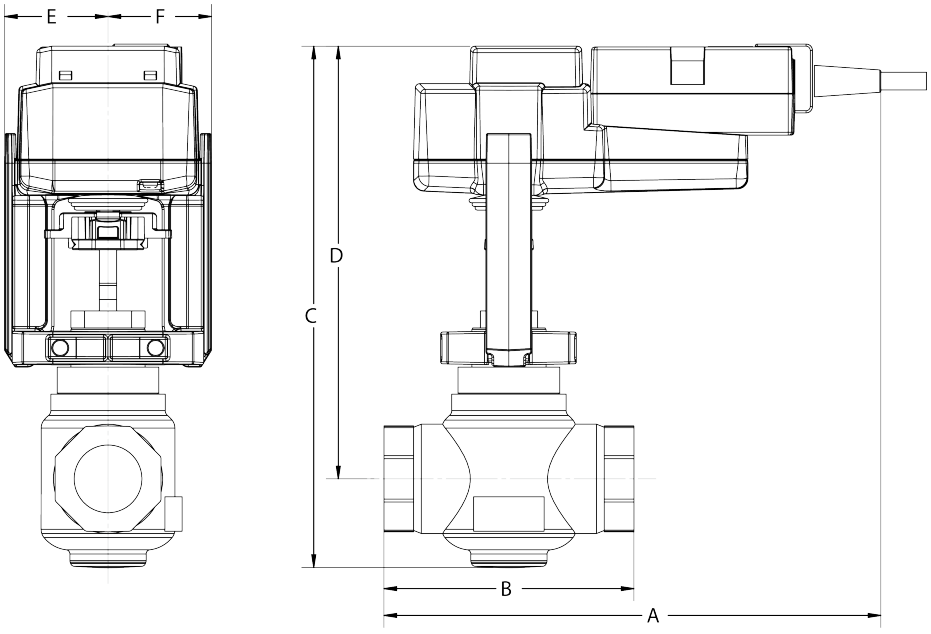
Dimensional drawings

LF



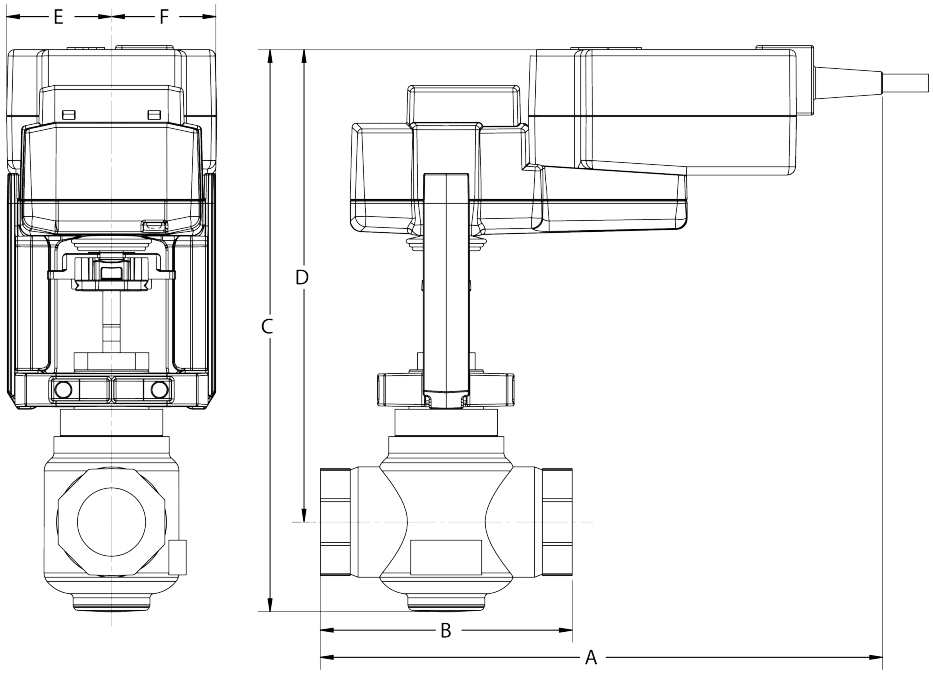
A	B	C	D	E	F
8.4" [213]	4.6" [118]	10.5" [267]	8.8" [224]	1.2" [30]	4.9" [125]

LV



A	B	C	D	E	F
9.2" [234]	4.6" [118]	9.7" [247]	8.5" [216]	1.9" [48]	1.9" [48]

LVK



A	B	C	D	E	F
9.7" [246]	4.6" [118]	10.4" [263]	8.7" [221]	1.9" [48]	1.9" [48]

BELIMO

On/Off, Spring Return Fail-Safe, AC 120 V

Technical data sheet LF120 US



5-year warranty

Technical data

Electrical data	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
Functional data	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
Safety data	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
Weight	Weight	3.4 lbs (1.54 kg.)

Electrical installation

INSTALLATION NOTES

A Actuators with appliance cables are numbered.

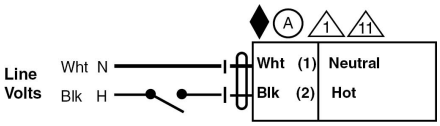
1 Provide overload protection and disconnect as required.

11 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.



On/Off