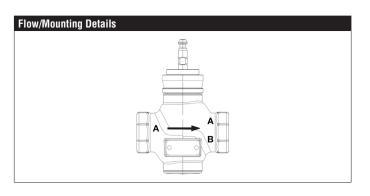
G220B-J Technical Data Sheet







chilled or hot water, up to 60% glycol,
steam
modified equal percentage
stem up - open A – AB
0.75" [20]
NPT female ends
Bronze
stainless steel
EPDM O-ring
Bronze
brass
ANSI Class 250, up to 400 psi below 150°F
250
35 psi [241 kPa]
20 psi [103 kPa]
100:1
5.5
2.0 lb [0.9 kg]
20280°F [-7138°C]
ANSI Class VI
repack kits available

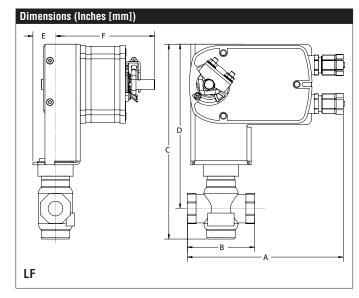


Application

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.

Suitable Actuators

	Non-Spring	Spring	Electronic fail-safe			
G220B-J	LVB(X)	LF	LVKB(X)			



Α	В	С	D	Е	F
7.9" [200]	3.4" [86]	9.7" [247]	8.2" [208]	1.2" [30]	4.9" [125]

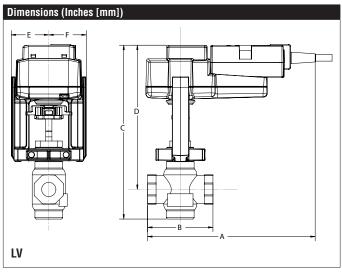
Safety Notes

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

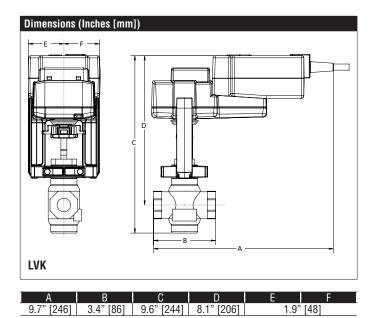
Pipin

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.

G220B-J Technical Data Sheet



Α	В	С	D	Е	F
8.6" [218]	3.4" [86]	8.9" [226]	7.4" [188]	1.9"	' [48]



LF120 US, Valve Actuator Technical Data Sheet On/Off, Spring Return Fail-Safe, AC 120 V







120 VAC, ±10%, 50/60 Hz
5.5 W
3.5 W
7.5 VA
18 GA appliance cable, 3 ft [1 m], with 1/2"
conduit connector
electronic throughout 095° rotation
90°
reversible with built-in switch
reversible with cw/ccw mounting
Mechanical
4075 s
<25 s @ -4122°F [-2050°C], <60 s @ -22°F [-30°C]
max. 95% r.H., non-condensing
-22122°F [-3050°C]
-40176°F [-4080°C]
IP54, NEMA 2
cULus acc. To UL 873 and CAN/CSA C22.2
No. 24-93
50 dB(A)
62 dB(A)
maintenance-free
ISO 9001
3.4 lbs (1.54 kg.)

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

Safety Notes

WARNING: For Belimo products sold in California: these products do or may contain chemicals which are known to the State of California to cause cancer and or birth defects or other reproductive harms. For more information see www.p65warnings.ca.gov.



LF120 US, Valve Actuator Technical Data Sheet

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

Wiring Diagrams



X 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.

