

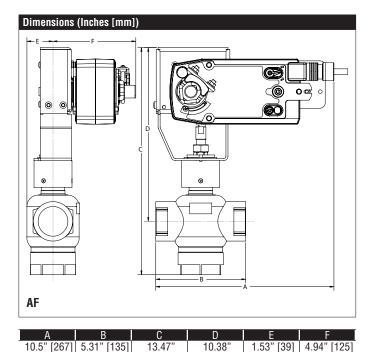
G340B-N, 3-Way, Globe Valve, Bronze Trim, Mixing/Diverting



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 system with constant or variable flow. These 3-way valves can be used for both Mixing and Diverting depending on the piping configuration.

Suitable Actuators				
		Non-Spring	Spring	Electronic fail-safe
G	i340B-N	SVB(X)	AF	SVKB(X)



Flow Pattern

Technical Data

Flow characteristic

Pipe connection

Closing element

Rangeability Sv

Leakage rate

Maintenance

Body Pressure Rating

Media Temp Range (water)

Housing

Stem seal

ANSI Class

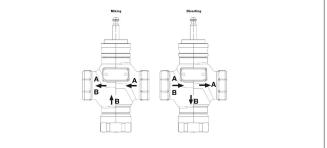
Stem

Seat

Cv

Controllable flow range Valve Size [mm]

Media



chilled, hot water, up to 60% glycol

stem up - open B – AB

A-port 100:1, B-port 50:1

20...280°F [-7...138°C]

repack kits available

ANSI Class VI

NPT female ends

stainless steel

EPDM 0-ring

1.5" [40]

bronze

bronze

brass

250

28

modified equal percentage, linear B - AB

ANSI Class 250, up to 400 psi below 150°F

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.

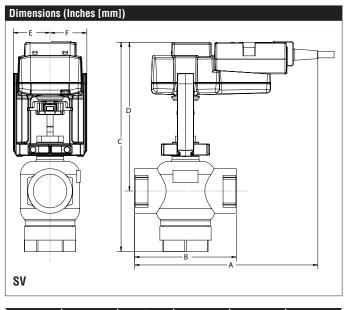
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Piping

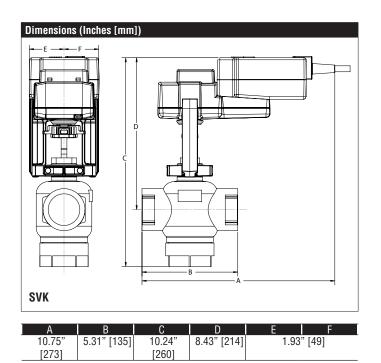
The valves should be mounted in a weather-protected area in a location that is within the ambient limits of the actuator. Allow sufficient room for valve with actuator and for service. The G2 and G3 preferred mounting position of the valve is with the valve stem vertical above the valve body, for maximum 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.





 A
 B
 C
 D
 E
 F

 9.61" [244]
 5.31" [135]
 10.3"" [262]
 7.81" [198]
 1.93" [49]







Technical Data		
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, -10% /	
	+20%	
Power consumption in operation	7.5 W	
Power consumption in rest	3 W	
position		
Transformer sizing	10 VA (class 2 power source)	
Electrical Connection	18 GA appliance cable, 3ft [1m] 10ft [3m] and 16ft [5m], with 1/2" conduit connector,	
Overload Protection	degree of protection NEMA 2 / IP54 electronic throughout 0° to 95° rotation	
Operating Range	DC 210 V (default), 420 mA w/ ZG-R01	
Operating Range	$(500 \Omega, 1/4 W resistor), variable (VDC, PWM, on/off, floating point)$	
Operating range Y variable	Start point DC 0.530 V	
	End point DC 2.532 V	
Position Feedback	DC 210 V, Max. 0.5 mA, VDC variable	
Angle of rotation	95°, adjustable with mechanical end stop, 3595°	
Torque motor	180 in-lb [20 Nm]	
direction of rotation motor	reversible with built-in switch	
direction of rotation spring-return	reversible with cw/ccw mounting	
Position indication	visual indicator, 0° to 95° (0° is full spring return position)	
Manual override	5 mm hex crank (3/16" Allen), supplied	
Running time motor	default 150 sec, variable 70220 sec	
Running time emergency control position	<20 sec	
override control	min. position = 0% , mid. Position = 50% , max. position = 100% (Default)	
Ambient humidity	595% r.H. non condensing (EN 60730-1)	
Ambient temperature	-22122°F [-3050°C]	
Non-operating temperature	-40176°F [-4080°C]	
Degree of Protection	IP54, NEMA 2, UL Enclosure Type 2	
Housing material	zinc coated metal and plastic casing	
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC	
Noise level, motor	<40 dB (A)	
Noise Level (Fail-Safe)	<62 dB (A)	
Maintenance	maintenance free	
	ISO 9001	
Quality Standard	120 3001	

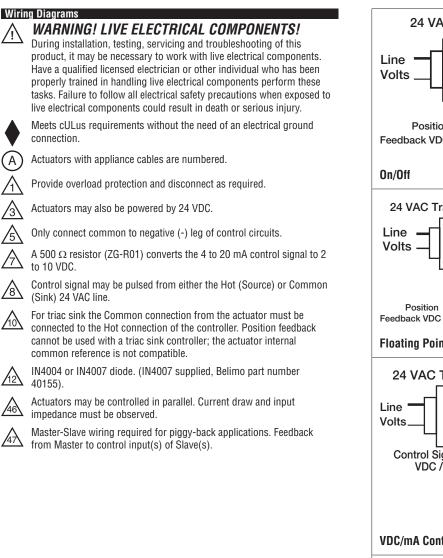
*Variable when configured with MFT options. †Rated Impulse Voltage 800V, Type of action 1.AA, Control Pollution Degree 3

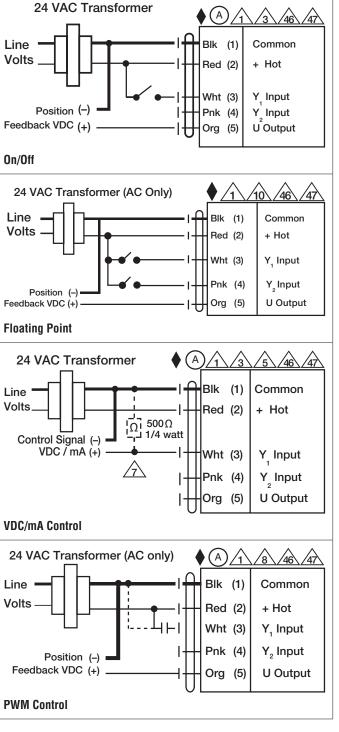


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Modulating, Spring Return, 24 V, Multi-Function Technology®







AFX24-MFT-X1 Modulating, Spring Return, 24 V, Multi-Function Technology®

