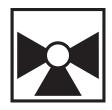






5-year warranty



Technical data

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Valve Size	2" [50]	
Fluid	chilled or hot water, up to 60% glycol	
Fluid Temp Range (water)	20280°F [-7138°C]	
Body Pressure Rating	Rating ANSI Class 250, up to 400 psi below 150°F	
Flow characteristic	modified equal percentage, linear B – AB	
Servicing	repack kits available	
Rangeability Sv	A-port 100:1, B-port 50:1	
Flow Pattern	3-way Mixing/Diverting	
Leakage rate	ANSI Class VI	
Controllable flow range	stem up - open B – AB	
Cv	41	
ANSI Class	250	
Body pressure rating note	up to 400 psi below 150°F	
Valve body	Bronze	
Valve plug	brass	
Stem seal	EPDM O-ring	
Seat	Bronze	
Pipe connection	NPT female ends	

Safety notes



Suitable actuators

Non-Spring

Electronic fail-safe

Materials

 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

SVB(X)

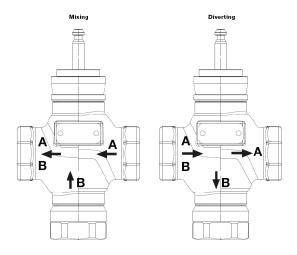
SVKB(X)

- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and
 must not be used outside the specified field of application, especially in aircraft or in any other airborne
 means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.

Product features

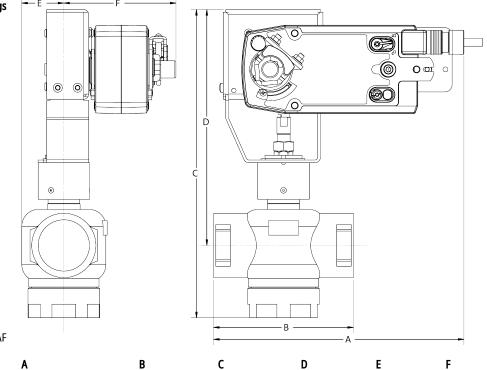


Flow/Mounting details



Dimensions

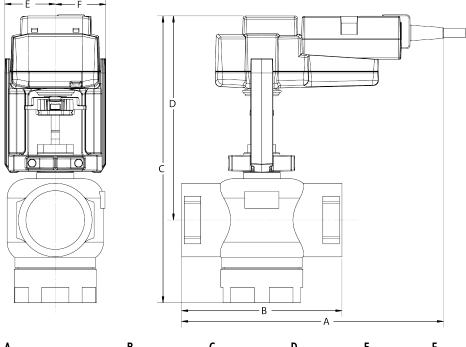
Dimensional drawings

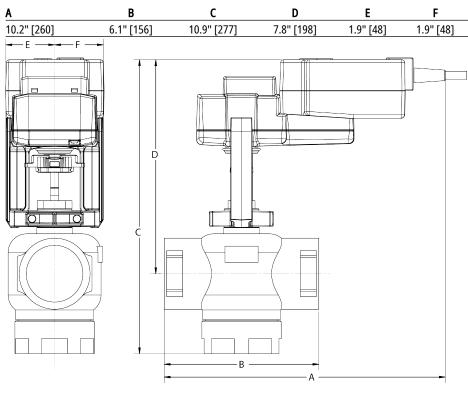


 AF

A	В	С	D	E	F
10.9" [277]	6.1" [156]	13.5" [342]	10.4" [264]	1.8" [46]	4.9" [125]

Technical data sheet G350B-N



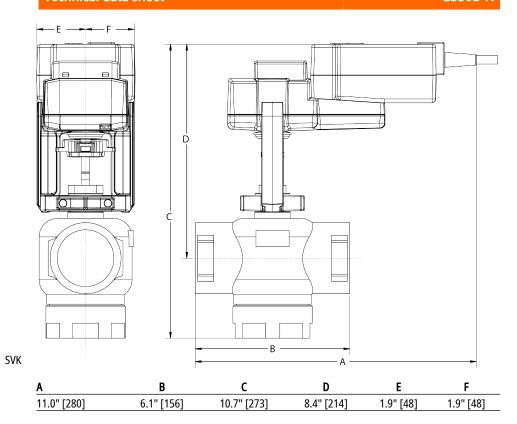


SVK

SV

A	В	C	D	E	F
11.0" [280]	6.1" [156]	10.7" [273]	8.4" [214]	1.9" [48]	1.9" [48]





24 V

On/Off, Floating Point, Electronic Fail-Safe, Linear,

Technical data sheet

SVKX24-3



Technical data		
Electrical data	Nominal voltage	AC 24 V
Liceatan data	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	3 W
	Power consumption in rest position	2 W
	Transformer sizing	7 VA (class 2 power source)
	Electrical Connection	18 GA plenum cable, 3 ft [1 m], with 1/2" conduit connector, degree of protection NEMA 2 / IP54
	Overload Protection	electronic throughout full stroke
	Electrical Protection	actuators are double insulated
Functional data	Actuating force motor	340 lbf [1500 N]
	Input Impedance	100 kΩ (0.1 mA), 500 Ω, 1000 Ω (on/off)
	Position feedback U note	No Feedback
	Bridging time	2 s delay before fail-safe activates
	Pre-charging time	520 s
	Direction of motion motor	selectable with switch
	Direction of motion fail-safe	reversible with switch
	Manual override	4 mm hex crank (shipped w/actuator)
	Stroke	0.75" [19 mm]
	Running Time (Motor)	default 90 s, variable 90 or 150 s
	Running time motor variable	90 or 150 s
	Running time fail-safe	<35 s
	Noise level, motor	45 dB(A)
	Noise level, fail-safe	60 dB(A)
	Position indication	Mechanically, with pointer
Safety data	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2 UL Enclosure Type 2
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU
	Quality Standard	ISO 9001
	Ambient temperature	-22122°F [-3050°C]
	Storage temperature	-40176°F [-4080°C]
	Ambient humidity	max. 95% r.H., non-condensing
	Servicing	maintenance-free
Weight	Weight	3.53 lb [1.6 kg]
Materials	Housing material	Die cast aluminium and plastic casing
		_

Safety notes





- PVC W'Shld for GV w/UGLK (GM)
- Battery Back Up System for SY(7~10)-110
- 120 to 24 VAC, 40 VA transformer.
- 50% voltage divider kit (resistors with wires).
- PC Tool computer programming interface, serial port.

Electrical installation

> INSTALLATION NOTES

Meets cULus requirements without the need of an electrical ground connection.

1 Provide overload protection and disconnect as required.

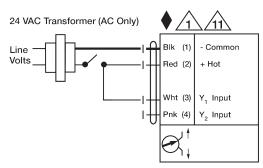
Actuators may be connected in parallel. Power consumption and input impedance must be observed. Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 V line.

Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.

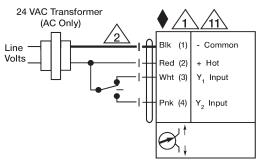
Actuators with plenum cable do not have numbers; use color codes instead.

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



Floating Point