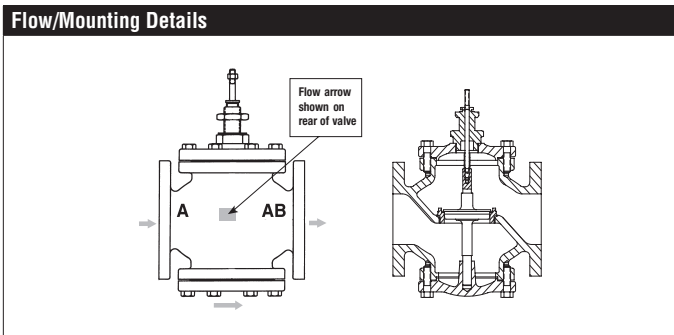


# G6100CS Technical Data Sheet



Technical Data	
Fluid	chilled or hot water, up to 60% glycol, steam
Flow characteristic	equal percentage
Controllable flow range	stem up - open A – AB
Valve Size [mm]	4" [100]
Pipe connection	125 lb flanged
Housing	Cast iron - ASTM A126 Class B
Stem	316 stainless steel
Stem seal	NLP EPDM (no lip packing)
Seat	Stainless steel AISI 316
Valve plug	Stainless steel
Body Pressure Rating	ANSI Class 125, up to 175 psi below 150°F
ANSI Class	125
Number of Bolt Holes	8
Maximum Inlet Pressure (Steam)	100 psi [690 kPa]
Max Differential Pressure (Steam)	50 psi [345 kPa]
Rangeability Sv	98:1
Cv	170
Weight	125.69 lb [57 kg]
Fluid Temp Range (water)	32...350°F [0...176°C]
Leakage rate	ANSI Class III
Servicing	repack/rebuild kits available



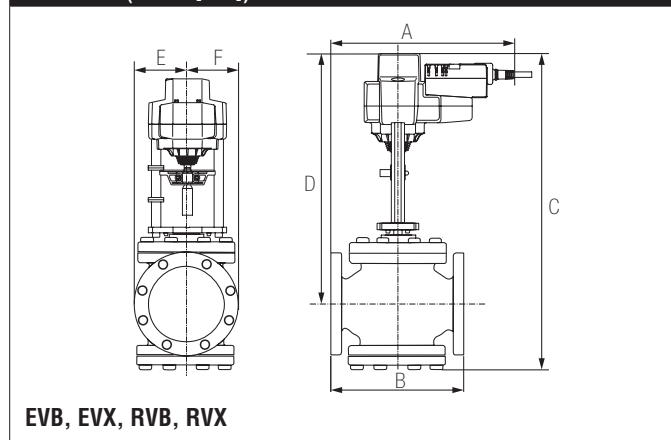
## Application

This valve is typically used in large air handling units on heating or cooling coils. This valve is suitable for use in a hydronic system with variable flow. Bronze or stainless steel trim valves can be used for steam applications, depending on actuator and close-off combination.

## Suitable Actuators

	Non-Spring	Spring	Electronic fail-safe
G6100CS	EVB(X)	(2*AFB(X))	AVKB(X)

## Dimensions (Inches [mm])



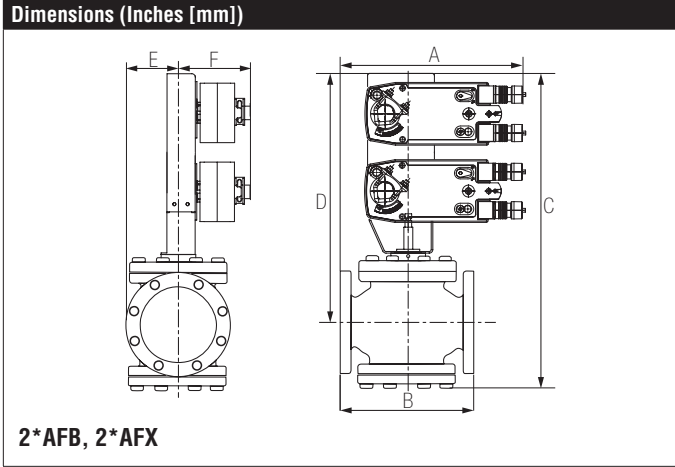
A	B	C	D	E	F
13.7" [349]	13.0" [330]	26.6" [676]	19.8" [502]	4.5" [114]	

## Safety Notes

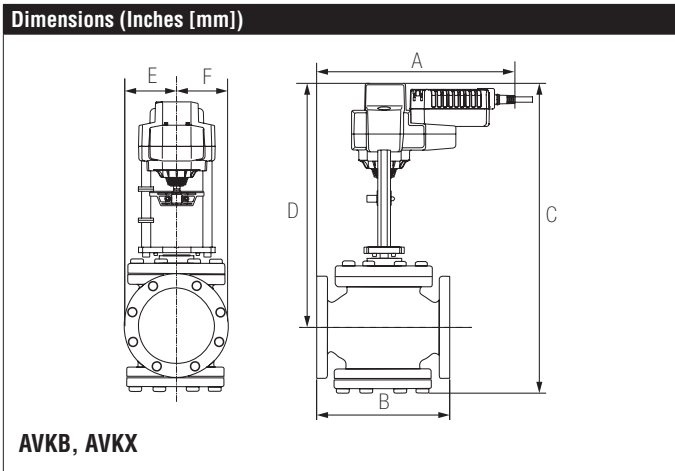
**WARNING:** This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## 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 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 valve stem vertical above the valve or up to 45° in relation to the horizontal pipe. The actuators should never be mounted underneath the valve, as condensation can build up and result in a failure of the actuators. Do not reverse flow direction.



A	B	C	D	E	F
13.7" [349]	13.0" [330]	30.0" [762]	23.2" [590]	4.5" [114]	5.3" [135]



A	B	C	D	E	F
13.7" [349]	13.0" [330]	26.6" [676]	19.8" [502]	4.5" [114]	