

Technical data sheet







Type overview

Туре	DN
G665CS	65

Technical data

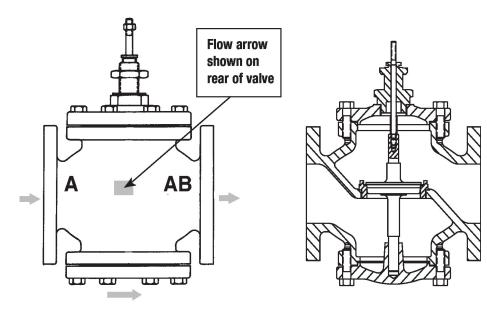
Functional data	Valve size [mm]	2.5" [65]				
	Fluid	chilled or hot water, up to 60% glycol, steam				
	Fluid Temp Range (water)	32350°F [0176°C]				
	Fluid Temp Range (steam)	32338°F [0170°C]				
	Body Pressure Rating	ANSI Class 125, up to 175 psi below 150°F				
	Flow characteristic	equal percentage				
	Servicing	repack/rebuild kits available				
	Rangeability Sv	85:1				
	Max Differential Pressure (Steam)	50 psi [345 kPa]				
	Flow Pattern	2-way				
	Leakage rate	ANSI Class III				
	Controllable flow range	stem up - open A – AB				
	Cv	65				
	Maximum Inlet Pressure (Steam)	100 psi [690 kPa]				
Materials	Valve body	Cast iron - ASTM A126 Class B				
	Valve plug	Stainless steel				
	Spindle	316 stainless steel				
	Spindle seal	NLP EPDM (no lip packing)				
	Seat	Stainless steel AISI 316				
	Pipe connection	125 lb flanged				
Suitable actuators	Non-Spring	EVB(X)				
	Spring	AF				
	Electrical fail-safe	AVKB(X)				

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
- 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 authorized 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.

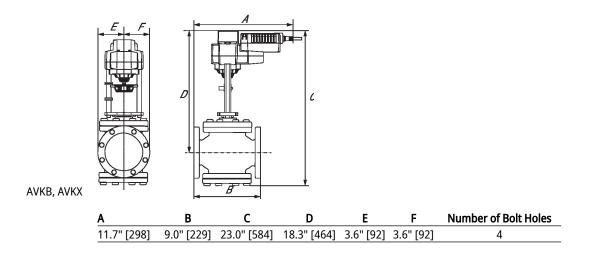
Flow/Mounting details



Dimensions

Туре G665CS		DN 65				Weight 2 lb [26 kg]	
	EVB, EVX, RVB, RVX							
	<u>A</u> 1'		B 9.0" [229]	C 23.0" [584]	D 18.3" [464]	E 3.6" [92]	F 3.6" [92]	Number of Bolt Holes
	AFB, AFX						[22]	
	<u>A</u> 1		B 9.0" [229]	C 21.7" [550]	D 16.9" [428]	E 3.6" [92] -	F 5.3" [135]	Number of Bolt Holes 4







Technical data sheet

AFBUP-S-X1





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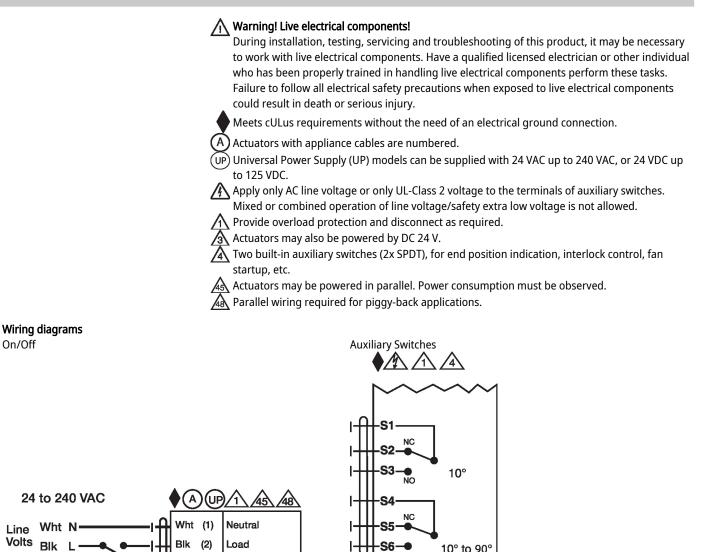
Electrical data	Nominal voltage	AC 24240 V / DC 24125 V				
	Nominal voltage frequency	50/60 Hz				
	Power consumption in operation	7 W				
	Power consumption in rest position	3.5 W				
	Power consumption for wire sizing	18 VA				
	Transformer sizing	7 VA @ AC 24 V (class 2 power source), 8.5 VA @ AC 120 V, 18 VA @ AC 240 V				
	Auxiliary switch	2 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, one set at 10°, one adjustable 1090°				
	Switching capacity auxiliary switch	3 A resistive (0.5 A inductive) @ AC 250 V				
	Electrical Connection	(2) 18 GA appliance cables with 1/2" conduit connectors, 3 ft [1 m],				
	Overload Protection	electronic throughout 095° rotation				
Functional data	Position feedback U note	No Feedback				
	Direction of motion motor	selectable by ccw/cw mounting				
	Direction of motion fail-safe	reversible with cw/ccw mounting				
	Manual override	5 mm hex crank (3/16" Allen), supplied				
	Angle of rotation	95°				
	Running Time (Motor)	75 s / 90°				
	Running time fail-safe	<20 s				
	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 UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC and Section 602.2 of the IMC				
	Quality Standard	ISO 9001				
	Ambient temperature	-22122°F [-3050°C]				
	Storage temperature	-40176°F [-4080°C]				
	Ambient humidity	Max. 95% RH, non-condensing				
	Servicing	maintenance-free				
Weight	Weight	4.6 lb [2.1 kg]				
Materials	Housing material	Galvanized steel and plastic housing				



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Footnotes †Rated Impulse Voltage 4kV, Type of Action 1.AA.B, Control Pollution Degree 3.

Electrical installation



3

NO

10° to 90°

Blk (2) Load