

Technical data sheet

G665CS-250





Type overview

Туре	DN
G665CS-250	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 250, up to 280 psi below 350°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
	Stem	316 stainless steel
	Stem seal	NLP EPDM (no lip packing)
	Seat	Stainless steel AISI 316
	Pipe connection	250 lb flanged
Suitable actuators	Non-Spring	EVB(X)
	Spring	AF
	Electrical fail-safe	AVKB(X)

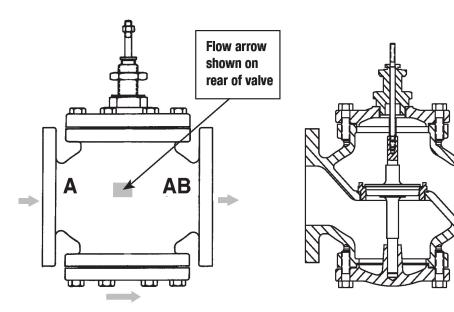
Safety notes



- 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.



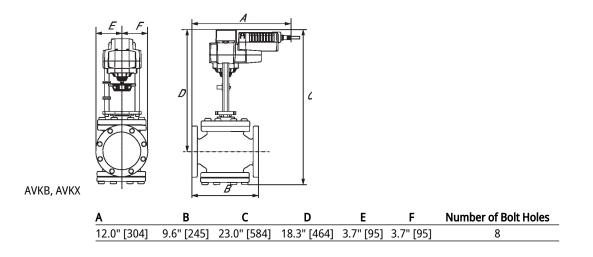
Flow/Mounting details



Dimensions

Type G665CS-250		DN 65		Weight 61.73 lb [28 kg]	
<u>G005C3-250</u>	EVB, EVX, RVB, RVX			61.73 ID [28 Kg]	
		A B 12.0" [304] 9.6" [245] 2	C D 3.0" [584] 18.3" [464]	E F 3.7" [95] 3.7" [95]	Number of Bolt Holes 8
	AFB, AFX				
		A B	C D	E F	Number of Bolt Holes 8
		<u>12.0" [304] 9.6" [245] 21</u>	.7" [550] 16.9" [428]	3.7" [95] 5.3" [135]	0







Function Technology®

Technical data sheet

AFX24-MFT-S-X1







Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 21.628.8 V
	Power consumption in operation	7.5 W
	Power consumption in rest position	3 W
	Transformer sizing	10 VA
	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, 1 m, 3 m or 5 m, with or without 1/2" conduit connectors
	Overload Protection	electronic throughout 095° rotation
Functional data	Operating range Y	210 V
	Operating range Y note	420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
	Operating range Y variable	Start point 0.530 V
		End point 2.532 V
	Operating modes optional	variable (VDC, PWM, on/off, floating point)
	Position feedback U	210 V
	Position feedback U note	Max. 0.5 mA
	Position feedback U variable	VDC variable
	Direction of motion motor	selectable with switch 0/1
	Direction of motion fail-safe	reversible with cw/ccw mounting
	Manual override	5 mm hex crank (3/16" Allen), supplied
	Angle of rotation	95°
	Angle of rotation note	adjustable with mechanical end stop, 3595°
	Running Time (Motor)	150 s / 90°
	Running time motor variable	70220 s
	Running time fail-safe	<20 s
	Override control	MIN (minimum position) = 0%
		MID (intermediate position) = 50%
		MAX (maximum position) = 100%
	Noise level, motor	40 dB(A)
	Noise level, fail-safe	62 dB(A)
	Position indication	Mechanical
Safety data	Power source UL	Class 2 Supply
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2



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AFX24-MFT-S-X1

	Safety data	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU
		Quality Standard	ISO 9001
		UL 2043 Compliant	Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC
		Ambient humidity	Max. 95% RH, non-condensing
		Ambient temperature	-22122°F [-3050°C]
		Storage temperature	-40176°F [-4080°C]
		Servicing	maintenance-free
	Weight	Weight	4.6 lb [2.1 kg]
	Materials	Housing material	Galvanized steel and plastic housing
	Footnotes	*Variable when configured with MFT	options.
ccessories			
	Electrical accessories	Description	Туре
		Service Tool, with ZIP-USB function, f communicative Belimo actuators, VA devices	
lectrical installation	on		
	Δ		:! g and troubleshooting of this product, it may be necessa nts. Have a qualified licensed electrician or other indivic



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