









Technical data

Functional data	Valve Size	4" [100]		
	Fluid	chilled or hot water, up to 60% glycol		
	Fluid Temp Range (water)	-20350°F [-30176°C] ANSI Class 125, up to 175 psi below 150°F		
	Body Pressure Rating			
	Flow characteristic	linear		
	Servicing	repack/rebuild kits available		
	Rangeability Sv	50:1		
	Flow Pattern	3-way Mixing		
	Leakage rate	ANSI Class III		
	Controllable flow range	stem up - open B – AB		
	Cv	190		
	ANSI Class	125		
	Body pressure rating note	up to 175 psi below 150°F		
Materials	Valve body	Cast iron - ASTM A126 Class B		
	Valve plug	Stainless steel		
	Stem seal	NLP EPDM (no lip packing)		
	Seat	Stainless steel AISI 316		
	Pipe connection	125 lb flanged		
Suitable actuators	Non-Spring	EVB(X)		
		RVB(X)		
	Electronic fail-safe	(2*GKB(X))		

Safety notes



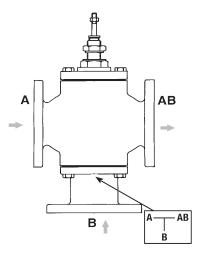
- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov
- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only 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.

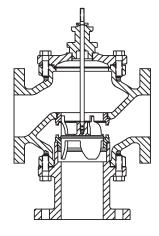
Product features



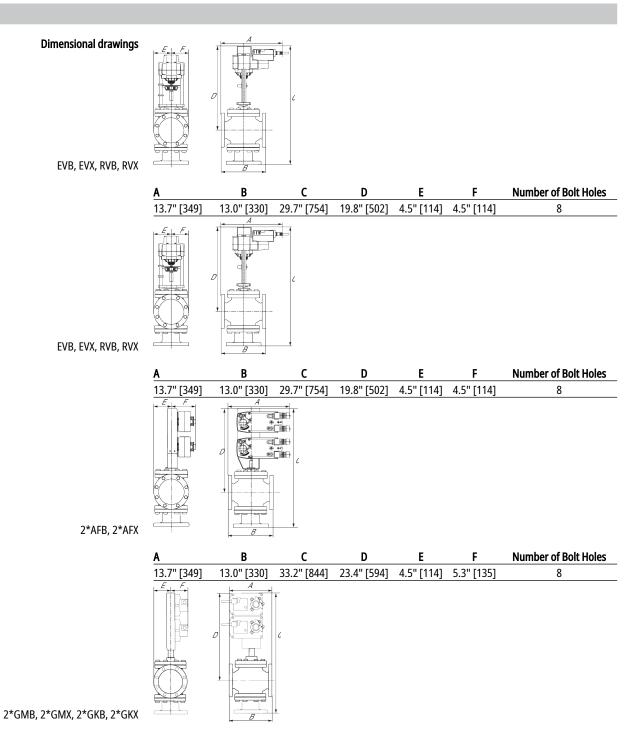
Technical data sheet

Flow/Mounting details





Dimensions





Technical data sheet G710							
A	В	с	D	E	F	Number of Bolt Holes	
15.1" [383]	13.0" [330]	33.2" [844]	23.4" [594]	4.5" [114]	5.3" [135]	8	



Technical data sheet

2*AFX24-MFT95-X1





Technical data

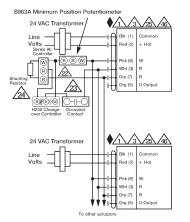
Electrical data	Nominal voltage	AC/DC 24 V		
	Nominal voltage frequency	50/60 Hz		
	Power consumption in operation	7.5 W		
	Power consumption in rest position	3 W		
	Transformer sizing	20 VA (class 2 power source)		
	Electrical Connection	18 GA appliance cable, 3ft [1m] 10ft [3m] and 16ft [5m], with 1/2" conduit connector, degree of protection NEMA 2 / IP54		
	Overload Protection	electronic throughout 095° rotation		
Functional data	Operating range Y	0135 Ω		
	Operating range Y note	Honeywell Electronic Series 90, input 0135 Ω		
	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°, adjustable with mechanical end stop, 3595°		
	Angle of rotation note	adjustable with mechanical end stop, 3595°		
	Running Time (Motor)	default 150 s, variable 70220 s		
	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	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		
	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	9.26 lb [4.2 kg]		

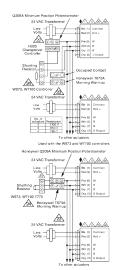


Technical data sheet

Materials	Housing material Galvanized steel and plastic	housing
Safety notes		
Ĺ	 3/8"-16 shaft clevis for AHK/AH. Battery Back Up System for SY(7~10)-110 5/16" shaft clevis for LH. Cable to ZIP-RS232 US to diagnostic/programming socket. MFT95 resistor kit for 4 to 20 mA control applications. 	
Accessories		
Gateways	Description	Туре
	Gateway MP to BACnet MS/TP Gateway MP to LonWorks Gateway MP to Modbus RTU	UK24BAC UK24LON UK24MOD
Service tools	Description	Туре
	Connection cable 10 ft [3 m], A: RJ11 6/4 ZTH EU, B: 3-pin Weidmüller and supply connection	ZK4-GEN
	Service Tool, with ZIP-USB function, for parametrisable and communicative Belimo actuators, VAV controller and HVAC performance devices	ZTH US
Electrical installation		
24 VAC Transformer Line Volts Volts Series 90 B R W B R W B R W B Controller Series 90 low limit control - 280 W 223 233 24 C 255 46 C C C C C C C C C C C C C	Volts	
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Multiple Actuators with Minimum Position Potentiometer

Multiple Actuators Used with W973, W7100 and T775