

5-year warranty



Technical data

Functional data	Valve Size	2.5" [65]	
	Fluid	chilled or hot water, up to 60% glycol	
	Fluid Temp Range (water)	0212°F [-18100°C]	
	Body Pressure Rating	400 psi	
	Close-off pressure ∆ps	100 psi	
	Flow characteristic	equal percentage	
	Servicing	maintenance-free	
	Flow Pattern	2-way	
	Leakage rate	0% for A – AB	
	Controllable flow range	75°	
	Cv	75	
	Body pressure rating note	400 psi	
	Cv Flow Rating	A-port: as stated in chart B-port: 70% of A – AB Cv	
Materials	Valve body	Nickel-plated brass body	
	Stem seal	EPDM (lubricated)	
	Seat	PTFE	
	Pipe connection	NPT female ends	
	O-ring	EPDM (lubricated)	
	Ball	stainless steel	
Suitable actuators	Non-Spring	ARB(X)	

BELLAN

Safety notes



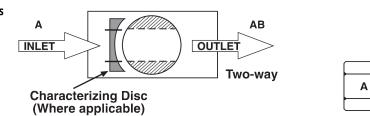
• WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov

Product features

Application

This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.

Flow/Mounting details



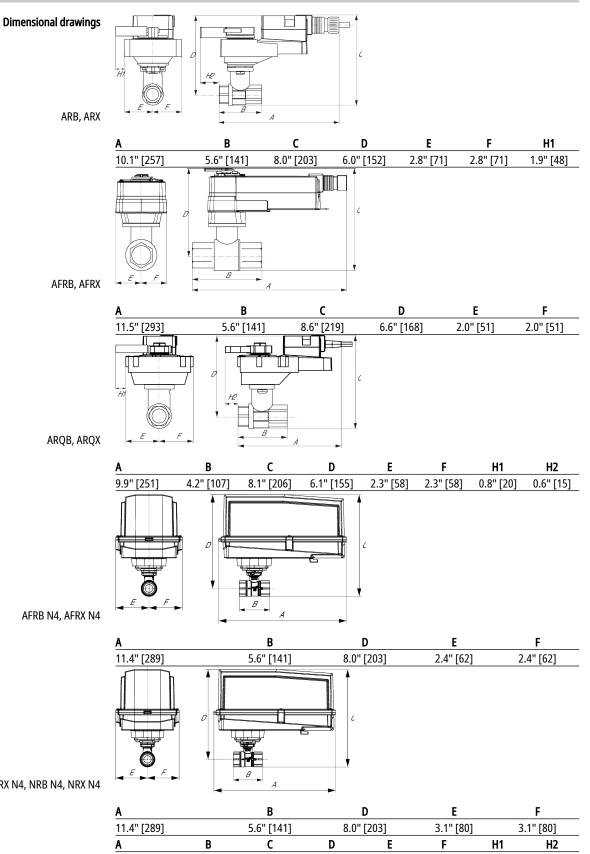


AB

Flow Direction

BELIMO





ARB N4, ARX N4, NRB N4, NRX N4

Α		В		D	E		F	
11.4" [289]		5.6" [141]	8.0" [203]		3.1" [80]	3	3.1" [80]	
A	В	С	D	E	F	H1	H2	
9.9" [251]	4.2" [107]	8.1" [206]	6.1" [155]	2.3" [58]	2.3" [58]	0.8" [20]	0.6" [15]	
A		В		D	E		F	
11.4" [289]		5.6" [141]	8.0" [203]		3.1" [80] 3		3.1" [80]	



On/Off, Floating Point, Non-Spring Return, AC 100...240 V



ARX120-3





Technical data

Electrical data	Nominal voltage	AC 100240 V			
	Nominal voltage frequency	50/60 Hz			
	Power consumption in operation	3 W			
	Power consumption in rest position	0.6 W			
	Transformer sizing	7 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 thoughout 090° rotation			
Functional data	Input Impedance	600 Ω			
	Direction of motion motor	selectable with switch 0/1			
	Manual override	external push button			
	Angle of rotation	90°			
	Angle of rotation note	adjustable with mechanical stop			
	Running Time (Motor)	default 90 s, variable 90 or 150 s			
	Running time motor variable	90 or 150 s			
	Noise level, motor	45 dB(A)			
	Position indication	Mechanically, pluggable			
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; 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% r.H., non-condensing			
	Servicing	maintenance-free			
Weight	Weight	2.2 lb [1.0 kg]			

Electrical installation

\swarrow INSTALLATION NOTES

A Actuators with appliance cables are numbered.

Provide overload protection and disconnect as required.

Actuators may be connected in parallel. Power consumption and input impedance must be observed.

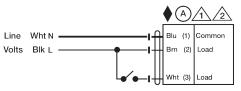
Meets cULus requirements without the need of an electrical ground connection.

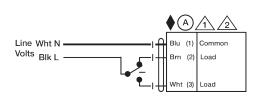


Technical data sheet

Marning! 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.





Floating Point AC 100...240 V

On/Off AC 100...240 V