

ALANO A



#### **Technical data**

Functional data	Valve Size	0.5" [15]	
	Fluid	chilled or hot water, up to 60% glycol	
	Fluid Temp Range (water)	0250°F [-18120°C]	
	Body Pressure Rating	600 psi	
	Close-off pressure ∆ps	200 psi	
	Flow characteristic	equal percentage	
	Servicing	maintenance-free	
	Flow Pattern	2-way	
	Leakage rate	0% for A – AB	
	Controllable flow range	75°	
	Си	16	
	Body pressure rating note	600 psi	
	No Characterized Disc	TRUE	
	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	TR	
		LRB(X)	
		NR	

### Safety notes



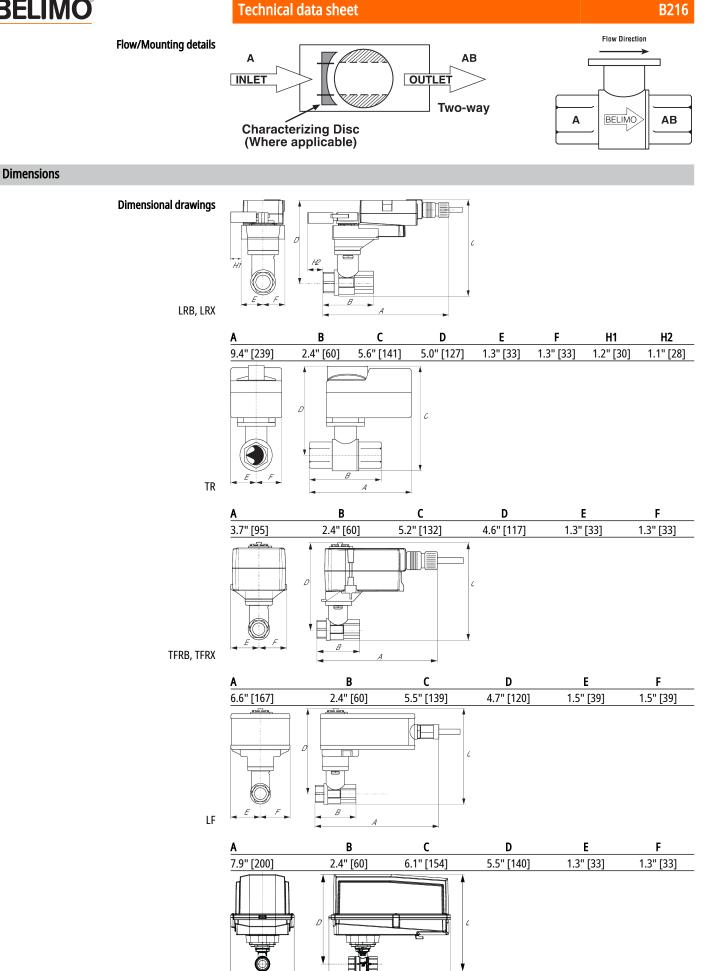
• WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov

#### **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.





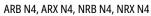
ARB N4, ARX N4, NRB N4, NRX N4

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	Technical	data sheet				B216
	A	В	С	D	E	F
	11.4" [289]	2.4" [60]	7.7" [196]	7.0" [179]	3.1" [80]	3.1" [80]
	Α	В	С	D	E	F
	7.9" [200]	2.4" [60]	6.1" [154]	5.5" [140]	1.3" [33]	1.3" [33]
RX						
	Α	В	C	D	E	F
	6.6" [167]	2.4" [60]	5.5" [139]	4.7" [120]	1.5" [39]	1.5" [39]
N4						
	A	В	С	D	E	F

TF





**Technical data sheet** 

## **TR24-3-T US**





## **Technical data**

Electrical data	Nominal voltage	AC 24 V		
	Nominal voltage frequency	50/60 Hz		
	Power consumption in operation	1 W		
	Transformer sizing	1 VA (class 2 power source)		
	Electrical Connection	Screw terminal (for 26 to 14 GA wire)		
	Overload Protection	electronic throughout full rotation		
Functional data	Input Impedance	0.36 kΩ		
	Manual override	push down handle		
	Angle of rotation	90°		
	Running Time (Motor)	90 s / 90°		
	Noise level, motor	35 dB(A)		
	Position indication	Mechanically, pluggable		
Safety data	Degree of protection IEC/EN	IP40		
	Degree of protection NEMA/UL	NEMA 1 UL Enclosure Type 1		
	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	0.62 lb [0.28 kg]		

#### Safety notes



- NEMA 4X, 316L stainless steel enclosure.
- Battery Back Up System for SY(7~10)-110 •
- ZS-300 without brackets. •
- NEMA 4X, 304 stainless steel enclosure.
- MFT95 resistor kit for 4 to 20 mA control applications.

## **Electrical installation**

## X INSTALLATION NOTES

 Arctuators may also be powered by 24 VDC.

 Actuators are provided with a numbered screw terminal strip instead of a cable.



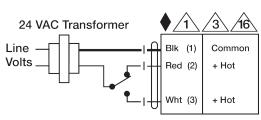
## **Technical data sheet**

 $\Lambda_{17}$  Actuators cannot be wired in parallel.

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

# Warning! 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.



On/Off AC 24 V Transformer