







Technical data

Functional data	Valve Size	0.75" [20]	
	Fluid	chilled or hot water, up to 60% glycol	
	Fluid Temp Range (water)	0250°F [-18120°C]	
	Body Pressure Rating	600 psi	
	Body pressure rating note	600 psi	
	Close-off pressure Δps	200 psi	
	Flow characteristic	A-port equal percentage, B-port modified for constant common port flow	
	Servicing	maintenance-free	
	Flow Pattern	3-way Mixing/Diverting	
	Leakage rate	0% for A – AB, <2.0% for B – AB	
	Controllable flow range	75°	
	Cv	24	
	Cv Flow Rating	A-port: as stated in chart B-port: 70% of A – A Cv	
Materials	Valve body	Nickel-plated brass body	
	Stem	stainless steel	
	Stem seal	EPDM (lubricated)	
	Seat	PTFE	
	Characterizing disk	TEFZEL®	
	Pipe connection	NPT female ends	
	O-ring	EPDM (lubricated)	
	Ball	stainless steel	
Suitable actuators	Non-Spring	LRB(X) NRB(X) N4	
	Spring	LF	

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 reheat coils and bypass loops. This valve is suitable for use in a hydronic system with variable or constant flow.



Туре

B321

Technical data sheet

AB

INLET

B Port Disc (All 3-way models)

OUTLET

F

Ε

3.1" [80]

H1

1.2" [30]

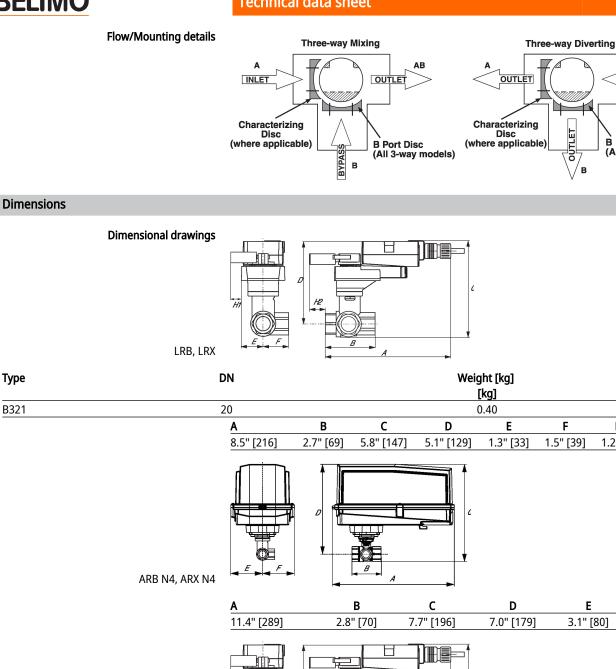
H2

1" [25]

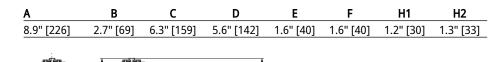
F

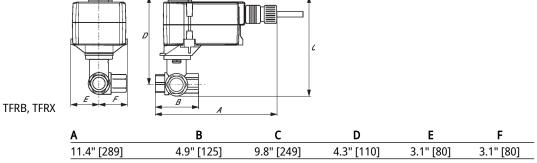
3.1" [80]

в



LRQB, LRQX





H2



Technical data sheet

LRX24-3-T

On/Off, Floating Point, Non-Spring Return, 24 V





Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	1.5 W
	Power consumption in rest position	0.2 W
	Transformer sizing	2.5 VA (class 2 power source)
	Electrical Connection	Screw terminal (for 26 to 14 GA wire)
	Overload Protection	electronic thoughout 090° rotation
	Electrical Protection	actuators are double insulated
Functional data	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 150, 90, 45, 35 s
	Running time motor variable	150, 90, 45, 35 s
	Noise level, motor	35 dB(A)
	Position indication	Mechanically, pluggable
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 Listed to UL 2043 - suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 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	0.62 lb [0.28 kg]



Accessories			
Electrical accessories	Description		Туре
	Battery backup system Battery, 12 V, 1.2 Ah (tw Auxiliary switch 1 x SPE Auxiliary switch 2 x SPE Feedback potentiomete Feedback potentiomete Feedback potentiomete Feedback potentiomete Feedback potentiomete Feedback potentiomete	DT add-on DT add-on er 140 Ω add-on, grey er 1 kΩ add-on, grey er 10 kΩ add-on, grey er 2.8 kΩ add-on, grey er 500 Ω add-on, grey	NSV24 US NSV-BAT S1A S2A P140A GR P1000A GR P10000A GR P2800A GR P500A GR P5000A GR
Electrical installation			
2 2 3 6	Actuators may be conrobserved. Actuators may also be Actuators Hot wire muneg. (-) leg of control of Actuators are provided Meets cULus requirem Warning! Live electrica During installation, testo work with live electrica buring installation, testo work with live electrica ouring installation, testo work with live electrica buring installation, testo work with live electrica ouring installation all electrica could result in death of Common + Hot	ection and disconnect as required. nected in parallel. Power consumption and inp powered by DC 24 V. st be connected to the control board commor ircuits. Terminal models (-T) have no-feedback with a numbered screw terminal strip instead ents without the need of an electrical ground al components! sting, servicing and troubleshooting of this pro- rical components. Have a qualified licensed elect y trained in handling live electrical component corrical safety precautions when exposed to live	n. Only connect common to k. d of a cable. connection. oduct, it may be necessary ectrician or other individua as perform these tasks.
Floating Point - Triac Source 24 VAC Transformer Line Volts Hot	1 2 3 16 Blk (1) Common Red (2) + Hot Wht (3) Y input	Floating Point - Triac Sink 24 VAC Transformer Line Volts Hot Com	Bik (1) Common Red (2) + Hot Wht (3) Y Input

Dimensions