B321B, 3-Way, Characterized Control Valve Chrome Plated Brass Ball and Nickel Plated Brass Stem

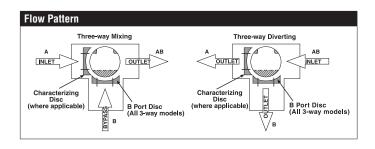






WARRANTY
 Wallington

chilled, hot water, up to 60% glycol			
A-port Equal percentage; B-port modified			
linear for constant flow			
75°			
0.75" [20]			
npt female ends			
forged brass, nickel plated			
chrome plated brass			
nickel plated brass			
EPDM (lubricated)			
Teflon® PTFE			
EPDM (lubricated)			
TEFZEL®			
600			
0°F to 250°F [-18°C to 120°C]			
50 psi (345 kPa)			
200 psi			
24			
1.1 lb [0.5 kg]			
0% for A to AB, <2.0% for B to AB			
maintenance free			

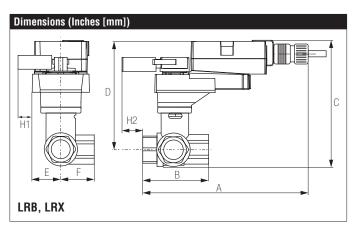


Application

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 or constant flow.

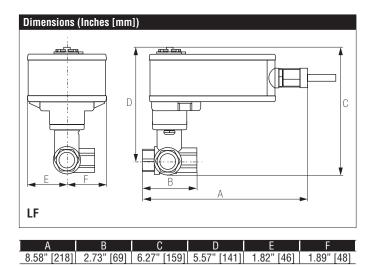
Suitable Actuators

Non-Spring Spring	1
B321B TR. LR TFB(X).	LF



Α	В	C	D	E	F	H1	H2
8.5"	2.73"	5.79"	5.09"	1.3"	1.47"	1.18"	1" [25]
[216]	[69]	[147]	[129]	[33]	[37]	[30]	

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LRB24-3 On/Off, Floating Point, Non-Spring Return, 24 V





24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%			
1.5 W			
0.2 W			
2.5 VA (class 2 power source)			
3ft [1m], 18 GA plenum cable with 1/2" conduit connector			
electronic thoughout 0° to 90° rotation			
600 Ω			
90°			
reversible with built-in switch			
integrated into handle			
external push button			
90 sec			
-22°F to 122°F [-30°C to 50°C]			
-40°F to 176°F [-40°C to 80°C]			
NEMA 2, IP54, UL Enclosure Type 2			
cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC			
<35 dB (A)			
maintenance free			
ISO 9001			



Wiring Diagrams



X INSTALLATION NOTES



Provide overload protection and disconnect as required.



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



Actuators may also be powered by 24 VDC.



Actuators Hot wire must be connected to the control board common. Only connect common to neg. (-) leg of control circuits. Terminal models (-T) have no-feedback.



Actuators with plenum cable do not have numbers; use color codes instead.



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.

