B325, 3-Way, Characterized Control Valve Stainless Steel Ball and Stem

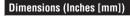


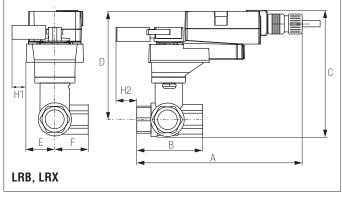


Application

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.

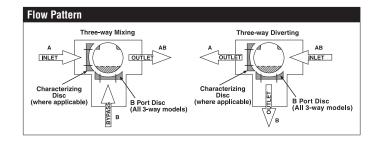
Suitable Actuators					
	Non-Spring	Spring			
B325	LR, NRB(X)	LF			





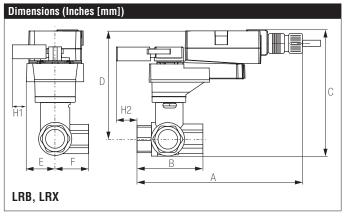
А	В	C	D	E	F	H1	H2
8.5"	3.07"	6" [150]	5.09"	1.3"	1.59"	1.18"	0.9" [23]
[216]	[78]		[129]	[33]	[40]	[30]	

Technical DataServicechilled, hot water, up to 60% glycolFlow CharacteristicA-port equal percentage, B-port modified for constant common port flowControllable Flow Range75°Size [mm]1" [25]End FittingNPT female endsBodyforged brass, nickel platedBallstainless steelStemstainless steelStem PackingEPDM (lubricated)SeatTeflon® PTFESeat 0-ringEPDM (lubricated)Characterized DiscTEFZEL®Body Pressure Rating [psi]600Media Temperature Range (Water)0°F to 250°F [-18°C to 120°C]Max Differential Pressure200 psiCv30Weight1.3 lb [0.6 kg]Leakage0% for A to AB, <2.0% for B to ABServicingmaintenance free		
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(Water)Image: Constraint of the second s	Body Pressure Rating [psi]	600
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Weight 1.3 lb [0.6 kg] Leakage 0% for A to AB, <2.0% for B to AB	Close-Off Pressure	200 psi
Leakage 0% for A to AB, <2.0% for B to AB	Cv	30
5	Weight	1.3 lb [0.6 kg]
Servicing maintenance free	Leakage	0% for A to AB, <2.0% for B to AB
	Servicing	maintenance free

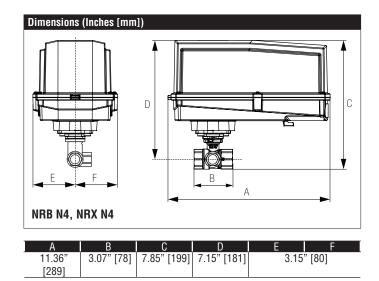


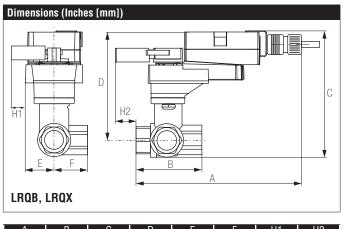


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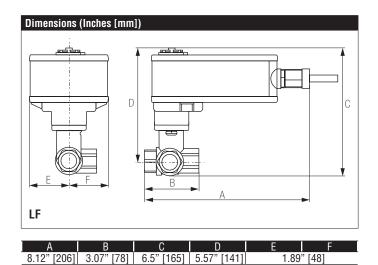


A	В	С	D	E	F	H1	H2
9.4"	3.07"	7.25"	6.31"	1.3"	[33]	1.18"	0.9" [23]
[239]	[78]	[184]	[160]			[30]	





A	В	С	D	E	F	H1	H2
8.9"	3.07"	6.64"	5.64"	1.58	" [40]	1.18"	1" [25]
[226]	[78]	[169]	[143]			[30]	



LF24-3 US, Valve Actuator Floating Point, Spring Return, 24 V





CE	LISTED 94 D5 TEMP. IND. & CUUUS REG. EQUIP.	

24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%
2.5 W
1 W
5 VA (class 2 power source)
3ft [1m], 18 GA appliance cable with 1/2" conduit connector
electronic throughout 0° to 95° rotation
floating point
1000 Ω (0.6 W)
No Feedback
90°
reversible with built-in switch
reversible with CW/CCW mounting
visual indicator, 0° to 95° (0° is full spring return position)
150 sec
<25 sec @ -4°F to 122°F [-20°C to 50°C], <60 sec @ -22°F [-30°C]
-22°F to 122°F [-30°C to 50°C]
-40°F to 176°F [-40°C to 80°C]
NEMA 2, IP54
cULus acc. To UL 873 and CAN/CSA C22.2 No. 24-93
<50 dB (A)
<62 dB (A)
maintenance free
ISO 9001

†Rated Impulse Voltage 800V, Type of action 1.AA, Control Pollution Degree 3



Floating Point, Spring Return, 24 V

Wiring Diagrams

🔀 INSTALLATION NOTES

A Actuators with appliance cables are numbered.

Provide overload protection and disconnect as required.



Actuators may also be powered by 24 VDC.

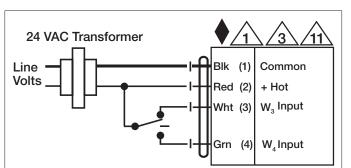
Actuators Hot wire must be connected to the control board common. Only connect common to neg. (-) leg of control circuits. Terminal models (-T) have no-feedback.

Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.

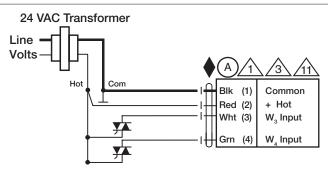
Meets cULus requirements without the need of an electrical ground connection.

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.







Floating Point - Triac Source

