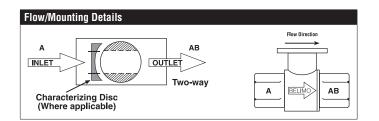
B224 Technical Data Sheet Stainless Steel Ball and Stem







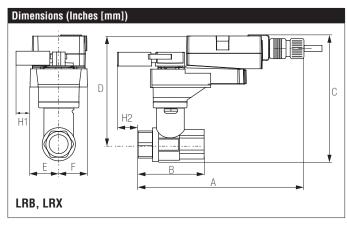
Technical Data					
Fluid	chilled, hot water, up to 60% glycol				
Flow characteristic	equal percentage				
Controllable flow range	75°				
Valve Size [mm]	1" [25]				
Pipe connection	NPT female ends				
Housing	Nickel-plated brass body				
Ball	stainless steel				
Stem	stainless steel				
Stem seal	EPDM (lubricated)				
Seat	PTFE				
O-ring	EPDM (lubricated)				
Characterised disc	TEFZEL®				
Body Pressure Rating	600 psi				
Close-off pressure Δps	200 psi				
Cv	19				
Weight	1.10 lb [0.50 kg]				
Fluid Temp Range (water)	0250°F [-18120°C]				
Leakage rate	0% for A – AB				
Maintenance	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 flow.

Suitable Actuators							
	Non-Spring	Spring					
B224	LRB(X), NR	LF					

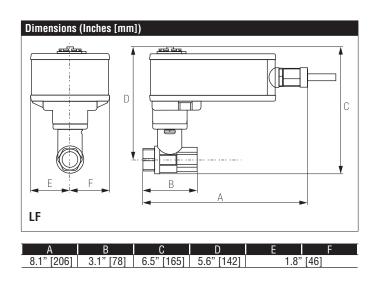


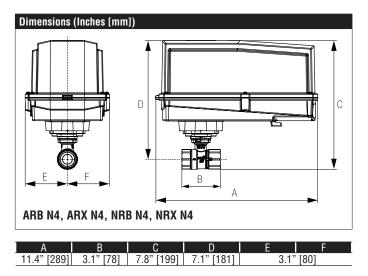
A		В	C	D	E	F	H1	H2
9.	4"	3.1"	7.2"	6.3"	1.3"	[33]	1.2"	0.9" [23]
[23	39]	[78]	[184]	[161]			[30]	

Safety Notes

WARNING: For Belimo products sold in California: these products do or may contain chemicals which are known to the State of California to cause cancer and or birth defects or other reproductive harms. For more information see www.p65warnings.ca.gov.





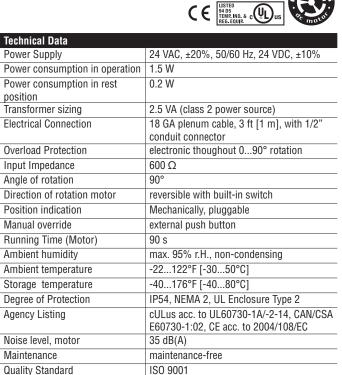


LRB24-3 Technical Data Sheet

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







1.1 lb [0.50 kg]

Safety Notes

WARNING: For Belimo products sold in California: these products do or may contain chemicals which are known to the State of California to cause cancer and or birth defects or other reproductive harms. For more information see www.p65warnings.ca.gov.

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

Weight



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

Wiring Diagrams

times installation notes

Provide overload protection and disconnect as required.

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



/2

Actuators may also be powered by 24 VDC.

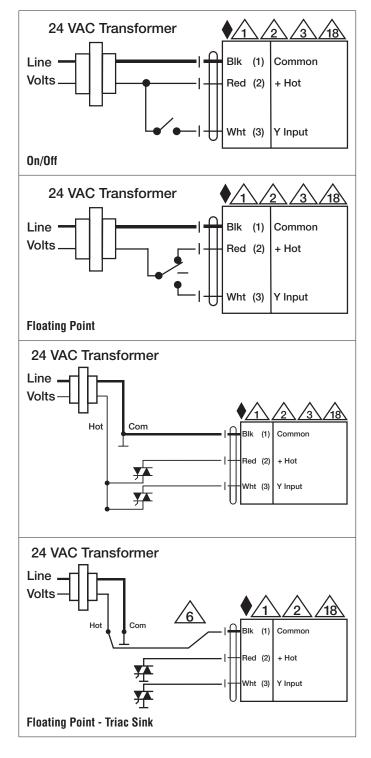
Actuators Hot wire must be connected to the control board common. Only connect common to neg. (-) leg of control circuits. Terminal models (-T) have no-feedback.

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.



Date created, 09/11/2019 - Subject to change.

Belimo Aircontrols (USA), Inc.