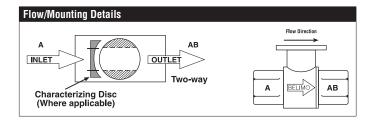






Technical Data			
Fluid	chilled, hot water, up to 60% glycol		
Flow characteristic	equal percentage		
Controllable flow range	75°		
Valve Size [mm]	1" [25]		
Pipe connection	NPT female ends		
Housing	Nickel-plated brass body		
Ball	stainless steel		
Stem	stainless steel		
Stem seal	EPDM (lubricated)		
Seat	PTFE		
0-ring	EPDM (lubricated)		
Characterized disc	No Disc (full flow)		
Body Pressure Rating	600 psi		
Close-off pressure ∆ps	200 psi		
Cv	30		
Weight	1.1 lb [0.50 kg]		
Fluid Temp Range (water)	0250°F [-18120°C]		
Leakage rate	0% for A – AB		
Servicing	maintenance-free		

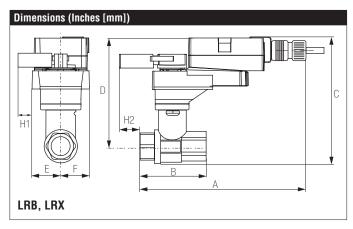


Application

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

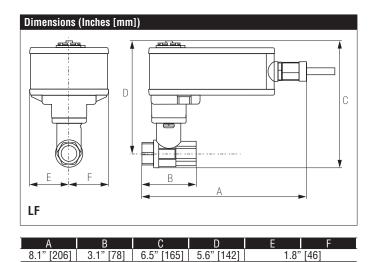
	Non-Spring	Spring
B225	LRB(X), NR	LF

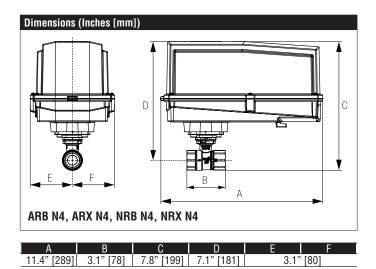


Α	В	C	D	F	F	l H1	H2
9.4"	3.1"	7.2"	6.3"	1.3"	' [33]	1.2"	0.9" [23]
		1.2			[00]	1.2	0.0 [=0]
[239]	[79]	[10/1]	[161]			[30]	
[200]	/0	104		1		30	

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





LF24 US, Valve Actuator Technical Data Sheet On/Off, Spring Return, AC/DC 24 V







Technical Data				
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%			
Power consumption in operation	5 W			
Power consumption in rest	2.5 W			
position				
Transformer sizing	7 VA (class 2 power source)			
Electrical Connection	18 GA appliance cable, 3 ft [1 m], with 1/2"			
	conduit connector			
Overload Protection	electronic throughout 095° rotation			
Angle of rotation	90°			
Direction of motion motor	selectable with switch 0/1			
Direction of motion fail-safe	reversible with cw/ccw mounting			
Position indication	Mechanical			
Running Time (Motor)	75 s			
Running time fail-safe	<25 s @ -4122°F [-2050°C], <60 s @			
	-22°F [-30°C]			
Ambient humidity	max. 95% r.H., non-condensing			
Ambient temperature	-22122°F [-3050°C]			
Storage temperature	-40176°F [-4080°C]			
Degree of Protection	IP54, NEMA 2			
Agency Listing	cULus acc. To UL 873 and CAN/CSA C22.2			
	No. 24-93			
Noise level, motor	50 dB(A)			
Noise level, fail-safe	62 dB(A)			
Servicing	maintenance-free			
Quality Standard	ISO 9001			
Weight	3.1 lbs (1.40 kg.)			
·	·			

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



LF24 US, Valve Actuator Technical Data Sheet

On/Off, Spring Return, AC/DC 24 V

Wiring Diagrams



💢 INSTALLATION NOTES



Actuators with appliance cables are numbered.



Provide overload protection and disconnect as required.



Actuators may also be powered by 24 VDC.



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.

