B207B

**Chrome Plated Brass Ball and Nickel Plated Brass Stem** 







#### **Technical data**

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Valve Size	0.5" [15]		
Fluid	chilled or hot water, up to 60% glycol		
Fluid Temp Range (water)	0250°F [-18120°C]		
Body Pressure Rating	600 psi		
Close-off pressure Δps	200 psi		
Flow characteristic	equal percentage		
Servicing	maintenance-free		
Flow Pattern	2-way		
Leakage rate	0% for A – AB		
Controllable flow range	75°		
Cv	0.3		
Body pressure rating note	600 psi		
Cv Flow Rating	A-port: as stated in chart B-port: 70% of A – AB Cv		
Valve body	Nickel-plated brass body		
Stem seal	EPDM (lubricated)		
Seat	PTFE		
Pipe connection	NPT female ends		
O-ring	EPDM (lubricated)		
Ball	chrome plated brass		

# Safety notes



Suitable actuators

Non-Spring

Materials

 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

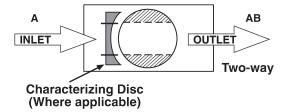
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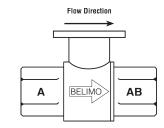
## **Product features**

Application

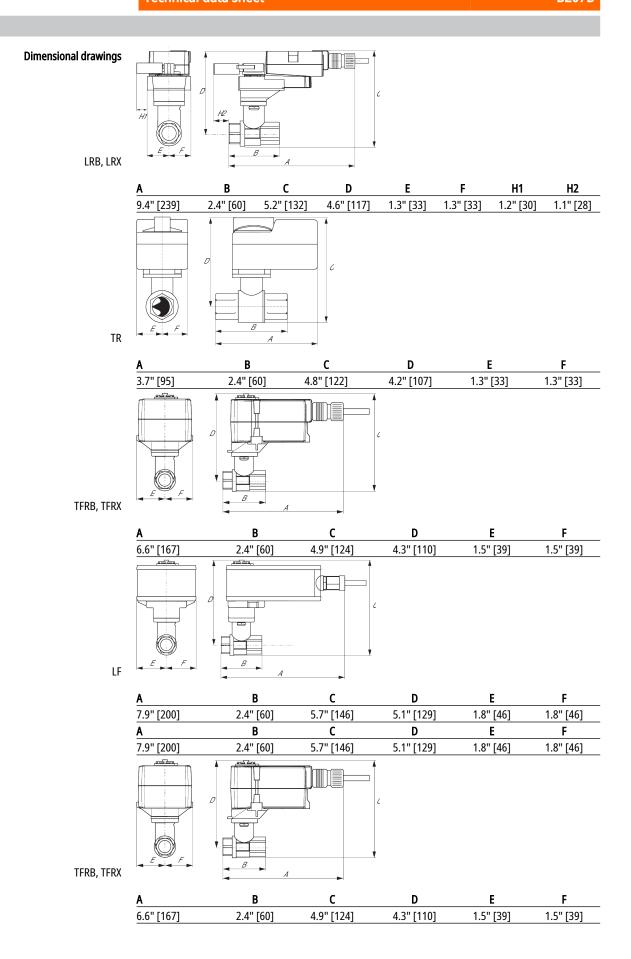
This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.

## Flow/Mounting details









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







N	16211	
	AC 24 V	
	50/60 Hz	
	1 W	
	1 VA (class 2 power source)	
Electrical Connection	18 GA plenum cable, 3 ft [1 m]	
Overload Protection	electronic throughout full rotation	
Input Impedance	0.36 kΩ	
Manual override	push down handle	
Angle of rotation	90°	
Running Time (Motor)	90 s / 90°	
Noise level, motor	35 dB(A)	
Position indication	Mechanically, pluggable	
Degree of protection IEC/EN	IP40	
Degree of protection NEMA/UL	NEMA 1 UL Enclosure Type 1	
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/	
	EU; Listed to UL 2043 - suitable for use in air	
	plenums per Section 300.22(c) of the NEC and	
	Section 602.2 of the IMC	
Quality Standard	ISO 9001	
Ambient temperature	-22122°F [-3050°C]	
Storage temperature	-40176°F [-4080°C]	
Ambient humidity	max. 95% r.H., non-condensing	
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Servicing	maintenance-free	
	Input Impedance Manual override Angle of rotation Running Time (Motor) Noise level, motor Position indication  Degree of protection IEC/EN Degree of protection NEMA/UL Agency Listing  Quality Standard Ambient temperature Storage temperature	

#### **Electrical installation**



# > INSTALLATION NOTES

<u>A</u> Provide overload protection and disconnect as required.

Actuators may also be powered by 24 VDC.

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

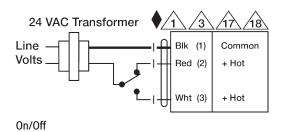
Meets cULus requirements without the need of an electrical ground connection.

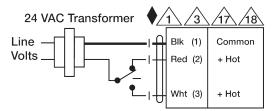
#### **Warning! Live Electrical Components!**

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.

**TR24-3 US** 







Floating Point