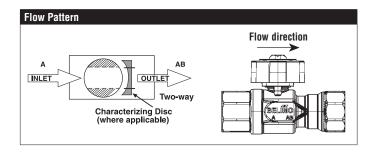
B215HT186, 1/2", High Temperature CCV Stainless Steel Ball and Stem





Technical Data			
Service	high temperature hot water/low pressure		
	steam, up to 60% glycol		
Flow Characteristic	A-port equal percentage		
Controllable Flow Range	75°		
Size [mm]	0.5" [15]		
End Fitting	NPT female ends		
Body	nickel plated brass (DZR) P-CuZn35Pb2		
Ball	stainless steel		
Stem	stainless steel		
Stem Packing	Vition O-ring		
Seat	ETFE		
Seat O-ring	EPDM (lubricated)		
Characterized Disc	ETFE		
Body Pressure Rating [psi]	600		
Max Inlet Pressure (Steam)	15 psi		
Media Temperature Range (Water)	60°F to 266°F [16°C to 130°C]		
Media Temperature Range (Steam)	250°F [120°C]		
Maximum Differential Pressure (Steam)	15 psi		
Max Differential Pressure (Water)	60 psi partially open ball, 116 psi full open		
Close-Off Pressure	200 psi		
Cv	1.86		
Weight	0.7 lb [0.3 kg]		
Leakage	0%		
Servicing	maintenance free		



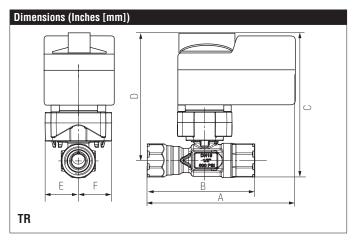
Application

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.

This valve is designed to fit in compact areas where on/off, floating point and modulating control is required using 24 VAC.

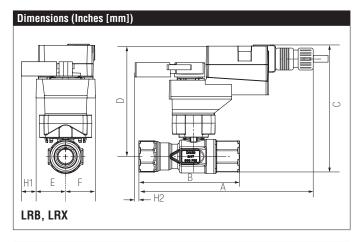
Suitable Actuators

	Non-Spring	Spring	
B215HT186	TR, LR	TFR	

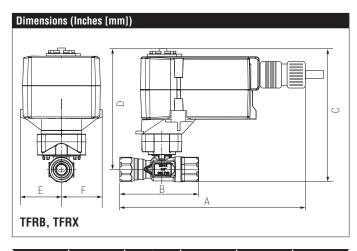


А	В	С	D	Е	F
4.16" [106]	3.33" [85]	5.44" [138]	4.91" [125]	1.48	" [38]





Α	В	C	D	E	F	H1	H2
8.32"	3.33"	5.8"	5.3"	1.3"	[33]	1.18"	0.5" [15]
[211]	[85]	[147]	[135]		-	[30]	



A	В	C	D	E	F
7.32" [186]	3.33" [85]	5.8" [147]	5.3" [135]	1.52	" [39]

LRX24-MFT

Modulating, Non-Spring Return, 24 V, Multi-Function Technology®





24 VAC ± 20%, 50/60 Hz, 24 VDC ± 10%
2.5 W
1.2 W
5 VA (class 2 power source)
18 GA plenum rated cable with 1/2" conduit connector protected NEMA 2 (IP54) 3ft [1m] 10 ft [3m] and 16 ft [5m]
electronic thoughout 0° to 90° rotation
2 to 10 VDC, 4 to 20 mA w/ ZG-R01 (500 Ω , 1/4 W resistor), variable (VDC, floating point, on/off)
100 k Ω for 2 to 10 VDC (0.1 mA), 500 Ω for 4 to 20 mA, 1500 Ω for PWM and on/off
2 to 10 VDC, 0.5 mA max, VDC variable
90°
reversible with built-in switch
integrated into handle
external push button
150 sec (default), variable (35 to 150 sec)
-22°F to 122°F [-30°C to 50°C]
-40°F to 176°F [-40°C to 80°C]
NEMA 2, IP42, 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
4 . C . C . T . C

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







Wiring Diagrams



X INSTALLATION NOTES



Provide overload protection and disconnect as required.

Only connect common to negative (-) leg of control circuits.



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



Actuators may also be powered by 24 VDC.



A 500 Ω resistor (ZG-R01) converts the 4 to 20 mA control signal to 2



Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 VAC line.



For triac sink the Common connection from the actuator must be connected to the Hot connection of the controller. Position feedback cannot be used with a triac sink controller; the actuator internal common reference is not compatible.



IN4004 or IN4007 diode. (IN4007 supplied, Belimo part number 40155).



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

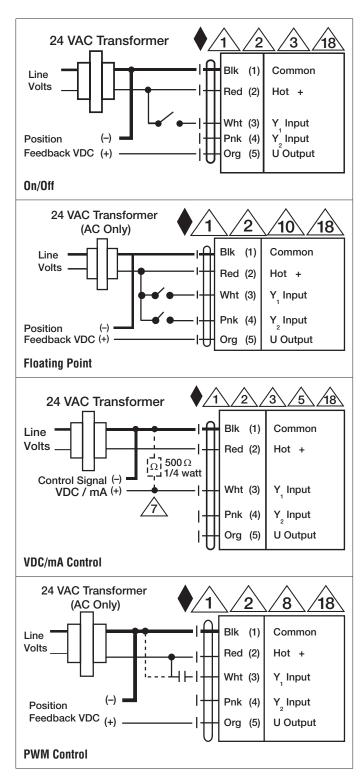


Meets cULus requirements without the need of an electrical ground



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.



LRX24-MFT

Modulating, Non-Spring Return, 24 V, Multi-Function Technology®



