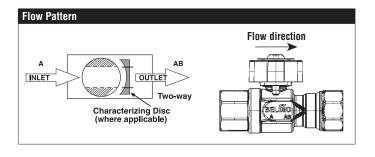
B215HT455, 1/2", High Temperature CCV Stainless Steel Ball and Stem





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	60°F to 266°F [16°C to 130°C]			
(Water)				
Media Temperature Range	250°F [120°C]			
(Steam) Maximum Differential Pressure	45:			
(Steam)	15 psi			
Max Differential Pressure (Water)	60 psi partially open ball, 116 psi full open			
wax binerential Fressure (water)	(#B215HT455)			
Close-Off Pressure	200 psi			
Cv	4.55			
Weight	0.7 lb [0.3 kg]			
Leakage	0%			
Servicing	maintenance free			



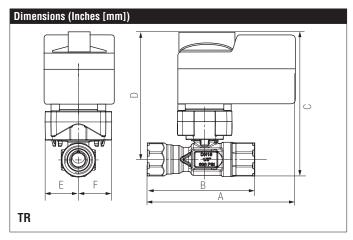
Application

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.

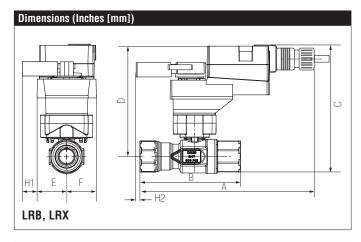
Suitable Actuators

Cartable Metadicio					
	Non-Spring	Spring			
B215HT455	TR, LR	TFR			

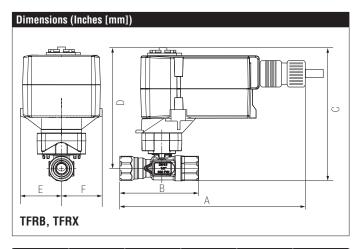


А	В	С	D	Е	F
4.16" [106]	3.33" [85]	5.44" [138]	4.91" [125]	1.48	" [38]





Α	В	С	D	E	F	H1	H2
8.32"	3.33"	5.8"	5.3"	1.48	" [38]	1.18"	0.5" [15]
[211]	[85]	[147]	[135]			[30]	



A	В	С	D	Е	F
7.32" [186]	3.33" [85]	5.8" [147]	5.3" [135]	1.52" [39]	1.52" [38.5]

TR24-SR US

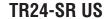
Modulating, Non-Spring Return, 24 V, for 2 to 10 VDC or 4 to 20 mA





24 VAC ± 20%, 50/60 Hz, 24 VDC ± 10%
0.5 W
1 VA (class 2 power source)
3ft [1m], 18 GA plenum rated cable
electronic throughout full rotation
2 to 10 VDC, 4 to 20 mA w/ ZG-R01 (500 Ω , 1/4 W resistor)
100 k Ω for 2 to 10 VDC (0.1 mA), 500 Ω for 4 to 20 mA
90°
reversible with protected switch
integrated into handle
push down handle
90 sec
-22°F to 122°F [-30°C to 50°C]
-40°F to 176°F [-40°C to 80°C]
NEMA type 1 / IP40
cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC and 2006/95/EC
<35 dB (A)
maintenance free
ISO 9001

 \uparrow Rated impulse voltage 500V, Control pollution degree 2, Type of action 1. NOTE: Response Sensitivity is 75 mV





Modulating, Non-Spring Return, 24 V, for 2 to 10 VDC or 4 to 20 mA

Wiring Diagrams



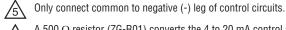
X INSTALLATION NOTES



Provide overload protection and disconnect as required.



Actuators may also be powered by 24 VDC.



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



to 10 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.

