B6500S-290, 2-Way, Characterized Control Valve Stainless Steel Ball and Stem





WARRANTY

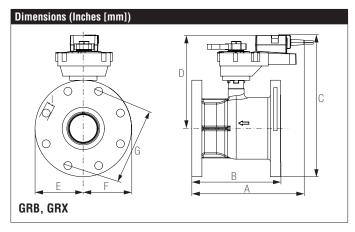
Technical Data	
Service	chilled, hot water, up to 60% glycol
Flow Characteristic	equal percentage
Controllable Flow Range	75°
Size [mm]	5" [125]
End Fitting	Pattern to mate with ANSI 125 flange
Body	cast iron - GG25
Ball	stainless steel
Stem	stainless steel
Stem Packing	EPDM (lubricated)
Seat	Teflon® PTFE
Seat O-ring	EPDM (lubricated)
Characterized Disc	stainless steel
Body Pressure Rating [psi]	ANSI 125, standard class B
ANSI Class	ANSI 125, standard class B
Number of Bolt Holes	8
Media Temperature Range	0°F to 250°F [-18°C to 120°C]
(Water)	
Max Differential Pressure (Water)	50 psi (345 kPa)
Close-Off Pressure	100 psi
Cv	290
Weight	75 lb [34 kg]
Leakage	0% for A to AB
Servicing	maintenance free
Number of Bolt Holes Media Temperature Range (Water) Max Differential Pressure (Water) Close-Off Pressure Cv Weight Leakage	8 0°F to 250°F [-18°C to 120°C] 50 psi (345 kPa) 100 psi 290 75 lb [34 kg] 0% for A to AB

Flow Pattern Flow Direction Α m INLET OUTLE Two-way Characterizing Disc 1600 kpa 230 pai Upstream A Downstream AB

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 or constant flow.

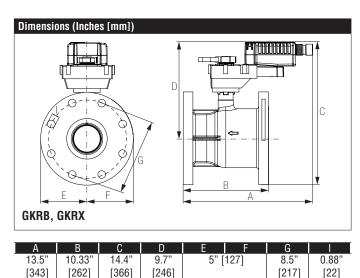
Suitable Actuators				
	Non-Spring	Electronic Fail-Safe		
B6500S-290	GRB(X)	GKRB(X)		

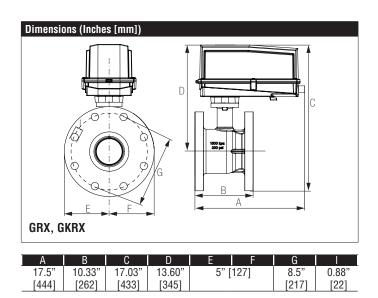


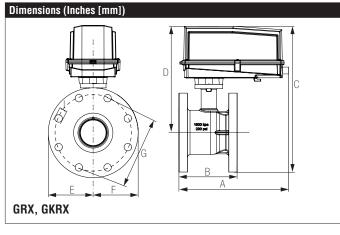
A	B	С	D	E	F	G	
13.3"	10.33"	14.4"	9.4"	5" [127]	8.5"	0.88"
[338]	[262]	[366]	[239]		-	[217]	[22]











A	В	C	D	E	F	G	
17.5"	10.33"	17.03"	13.60"	5" [127]	8.5"	0.88"
[444]	[262]	[433]	[345]			[217]	[22]

GRX24-3-T N4	
NEMA 4, On/Off, Floating Point Control, Non-Spring Return Actuato	or,
Direct Coupled, 24 VAC	

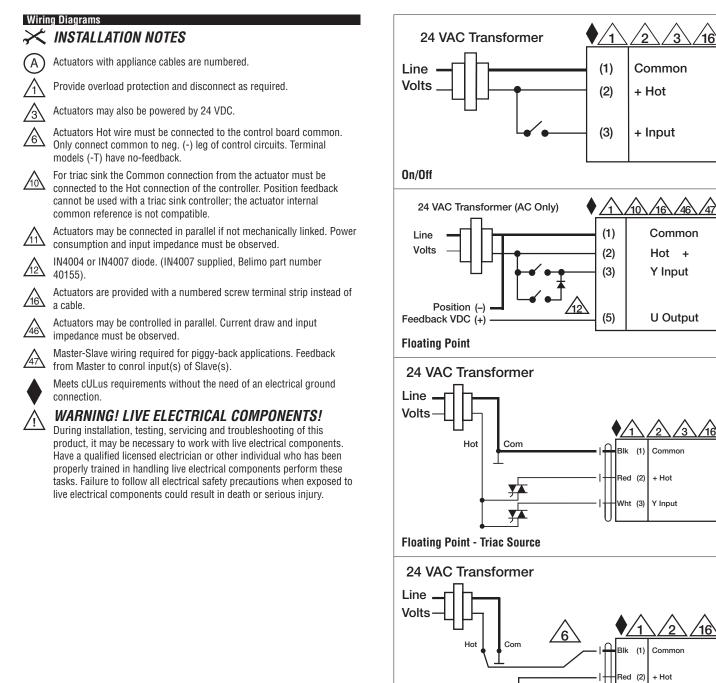




Technical Data	
Power Supply	24 VAC ± 20%, 50/60 Hz, 24 VDC ± 10%
Power Consumption Running	4 W
Power Consumption Holding	2 W
Transformer Sizing	11 VA (class 2 power source)
Electrical Connection	terminal block
Overload Protection	electronic throughout 0° to 95° rotation
Input Impedance	600 Ω
Angle of Rotation	90°, adjustable with mechanical stop
Direction of Rotation (Motor)	reversible with built-in switch
Position Indication	reflective visual indicator (snap on)
Manual Override	under cover
Running Time (Motor)	150 sec constant, independent of load
Humidity	5 to 100% RH (UL Type 4)
Ambient Temperature Range	-22°F to 122°F [-30°C to 50°C]
Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 4, IP66, UL enclosure type 4
Housing Material	polycarbonate
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA
	E60730-1:02, CE acc. to 2004/108/EC and
Noine Lovel (Motor)	2006/95/EC
Noise Level (Motor)	<45 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	9.9 lb [4.5 kg]

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





Floating Point - Triac Sink

Nht (3) Y Input