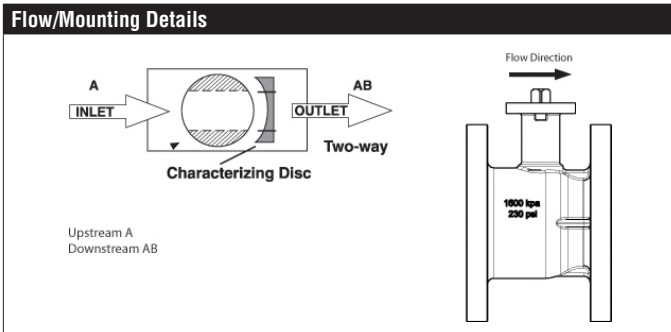


B6600S-400 Technical Data Sheet

Stainless Steel Ball and Stem



Technical Data	
Fluid	chilled or hot water, up to 60% glycol
Flow characteristic	equal percentage
Controllable flow range	75°
Valve Size [mm]	6" [150]
Pipe connection	pattern to mate with ANSI 125 flange
Housing	Cast iron - GG 25
Ball	stainless steel
Stem	stainless steel
Stem seal	EPDM (lubricated)
Seat	PTFE
O-ring	EPDM (lubricated)
Body Pressure Rating	ANSI Class 125, standard class B
ANSI Class	125
Number of Bolt Holes	8
Close-off pressure Δ ps	100 psi
Cv	400
Weight	90.41 lb [41 kg]
Fluid Temp Range (water)	0...250°F [-18...120°C]
Leakage rate	0% for A – AB
Servicing	maintenance-free



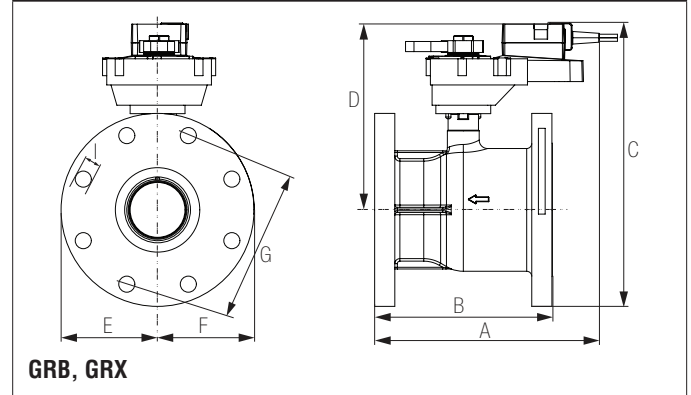
Application

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	Electronic fail-safe
B6600S-400	GRB(X)	GKRB(X)

Dimensions (Inches [mm])

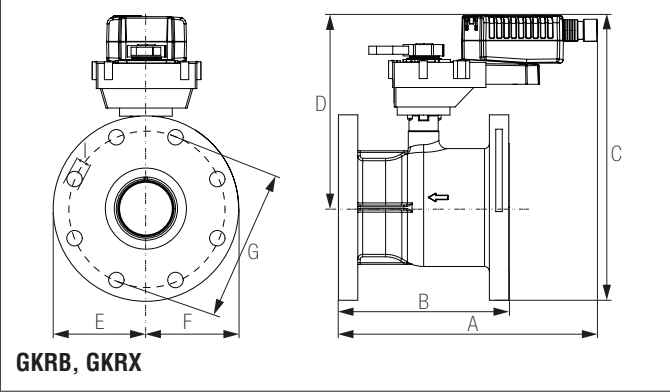


A	B	C	D	E	F	G	I
15.3" [388]	12.4" [315]	15.4" [391]	9.5" [241]	5.5" [140]		9.5" [241]	0.9" [22]

Safety Notes

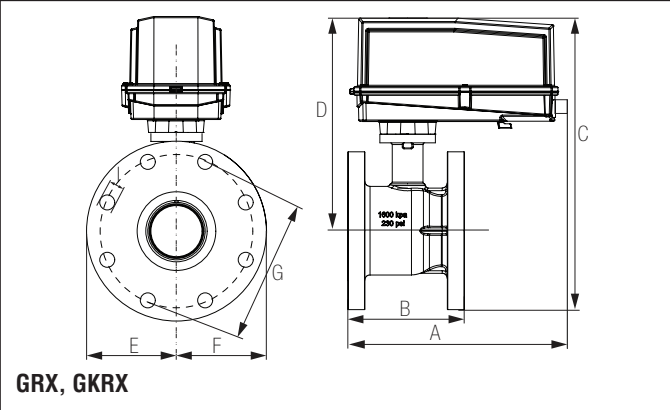
WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov

Dimensions (Inches [mm])



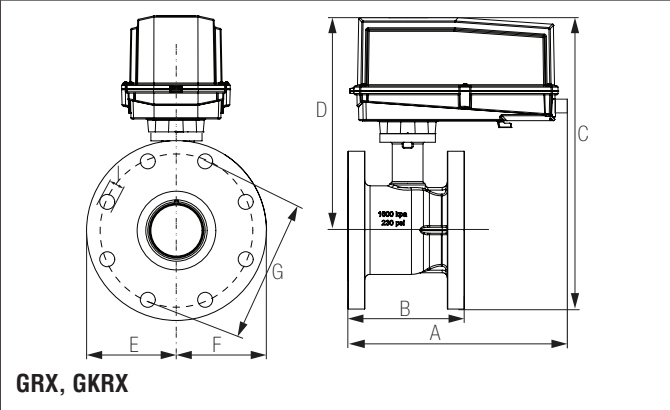
A	B	C	D	E	F	G	I
15.3"	12.4"	15.8"	9.8"	5.5" [140]		9.5"	0.9" [22]
[388]	[315]	[401]	[248]			[241]	

Dimensions (Inches [mm])



A	B	C	D	E	F	G	I
19.0"	12.4"	18.5"	9.5"	5.5" [140]		9.5"	0.9" [22]
[483]	[315]	[470]	[241]			[241]	

Dimensions (Inches [mm])



A	B	C	D	E	F	G	I
19.0"	12.4"	18.5"	9.5"	5.5" [140]		9.5"	0.9" [22]
[483]	[315]	[470]	[241]			[241]	

GKRX24-3 Technical Data Sheet

On/Off, Floating Point, Electronic Fail-Safe, 24 V



5-year warranty



Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz
Power consumption in operation	12 W
Power consumption in rest position	3 W
Transformer sizing	21 VA (class 2 power source)
Electrical Connection	18 GA appliance cables, 3 ft [1 m], 10 ft [3 m] or 16ft [5 m], with 1/2" conduit connector
Overload Protection	electronic throughout 0...95° rotation
Input Impedance	100 kΩ
Angle of rotation	Max. 95°, adjustable with mechanical stop
Direction of motion motor	selectable with switch 0/1
Direction of motion fail-safe	reversible with switch
Position indication	Mechanically, pluggable
Manual override	external push button
Running Time (Motor)	150 s constant, independent of load
Running time fail-safe	<35 s
Bridging time	2 s delay before fail-safe activates
Pre-charging time	5...20 s
Ambient humidity	max. 95% r.H., non-condensing
Ambient temperature	-40...176°F [-40...80°C]
Storage temperature	-22...122°F [-30...50°C]
Degree of Protection	IP54, NEMA 2, UL Enclosure Type 2
Housing material	UL94-5VA
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU
Noise level, motor	52 dB(A)
Noise level, fail-safe	61 dB(A)
Servicing	maintenance-free
Quality Standard	ISO 9001
Weight	4.0 lb [1.8 kg]

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

Date created, 04/03/2020 - Subject to change. © Belimo Aircontrols (USA), Inc.

Wiring Diagrams

INSTALLATION NOTES

- Provide overload protection and disconnect as required.
- Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 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.

