





Type overview	
Туре	DN
B6600S-400	150

Tech

hnical data		
Functional data	Valve size	6" [150]
	Fluid	chilled or hot water, up to 60% glycol
	Fluid Temp Range (water)	0250°F [-18120°C]
	Body Pressure Rating	ANSI Class 125, standard class B
	Close-off pressure Δps	175 psi
	Flow characteristic	equal percentage
	Servicing	maintenance-free
	Flow Pattern	2-way
	Leakage rate	0% for A – AB
	Controllable flow range	75°
	Cv	400
	Cv Flow Rating	A-port: as stated in chart B-port: 70% of A – AB Cv
Materials	Valve body	Cast iron - GG 25
	Stem	stainless steel
	Stem seal	EPDM (lubricated)
	Seat	PTFE
	Pipe connection	pattern to mate with ANSI 125 flange
	O-ring	EPDM (lubricated)
	Ball	stainless steel
Suitable actuators	Non-Spring	GRB(X)
	Electrical fail-safe	GKRB(X)

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

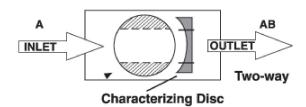
Product features

Application

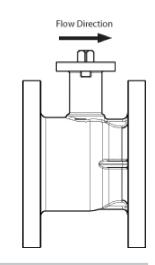
This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box reheat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.



Flow/Mounting details

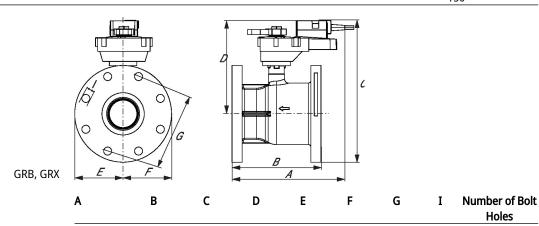


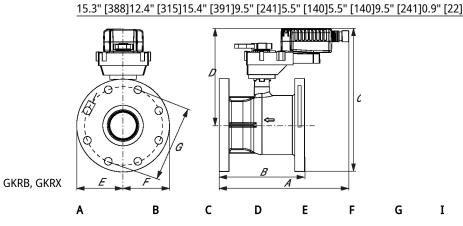
Upstream A Downstream AB



Dimensions

Туре	DN
B6600S-400	150

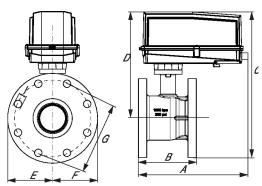




Holes 15.3" [388]12.4" [315]15.8" [401]9.8" [248]5.5" [140]5.5" [140]9.5" [241]0.9" [22]

G

Ι



GRX, GKRX

Holes

8

Number of Bolt



Technical data sheet

B 6600S-400

A B C D E F G I Number of Bolt Holes

19.0" [483]12.4" [315]18.5" [470]9.5" [241]5.5" [140]9.5" [241]0.9" [22] 8

GRX, GKRX

A B C D E F G I Number of Bob Holes	E E	F		B	—				
19.0" [483]12.4" [315]18.5" [470]9.5" [241]5.5" [140]5.5" [140]9.5" [241]0.9" [22]	Α	В	С	D	E	F	G	I	
	19.0" [48	3]12.4" [315]18	3.5" [470]	9.5" [241]	5.5" [140]5	5.5" [140]	9.5" [241]	0.9" [22] 8

Non-Spring Return, 24 V

Technical data sheet

GRX24-3-T N4







Tecl		

Electrical data	Nominal voltage	AC/DC 24 V		
	Nominal voltage frequency	50/60 Hz		
	Power consumption in operation	4 W		
	Power consumption in rest position	2 W		
	Transformer sizing	11 VA (class 2 power source)		
	Electrical Connection	Terminal blocks		
	Overload Protection	electronic throughout 095° rotation		
Functional data	Direction of motion motor	selectable with switch 0/1		
	Manual override	under cover		
	Angle of rotation	90°		
	Angle of rotation note	adjustable with mechanical stop		
	Running Time (Motor)	150 s / 90°		
	Running time motor note	constant, independent of load		
	Noise level, motor	45 dB(A)		
	Position indication	Mechanically, 3065 mm stroke		
Safety data	Degree of protection IEC/EN	IP66/67		
	Degree of protection NEMA/UL	NEMA 4X		
	Enclosure	UL Enclosure Type 4X		
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU		
	Quality Standard	ISO 9001		
	Ambient temperature	-22122°F [-3050°C]		
	Ambient temperature note	-4050°C for actuator with integrated heating		
	Storage temperature	-40176°F [-4080°C]		
	Ambient humidity	Max. 100% RH		
	Servicing	maintenance-free		
Materials	Housing material	Die cast aluminium and plastic casing		

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



Accessories

Electrical accessories	Description	Туре		
	Battery backup system, for non-spring return models	NSV24 US		
	Battery, 12 V, 1.2 Ah (two required)	NSV-BAT		
	Auxiliary switch 1 x SPDT add-on	S1A		
	Auxiliary switch 2 x SPDT add-on	S2A		
	Feedback potentiometer 140 Ω add-on, grey	P140A GR		
	Feedback potentiometer 1 kΩ add-on, grey	P1000A GR		
	Feedback potentiometer 10 kΩ add-on, grey	P10000A GR		
	Feedback potentiometer 2.8 kΩ add-on, grey	P2800A GR		
	Feedback potentiometer 500 Ω add-on, grey	P500A GR		
	Feedback potentiometer 5 $k\Omega$ add-on, grey	P5000A GR		

Electrical installation

X INSTALLATION NOTES

\Lambda Provide overload protection and disconnect as required.

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

Actuators may also be powered by DC 24 V.

Actuators Hot wire must be connected to the control board common. Only connect common to neg. (-) leg of control circuits. Terminal models (-T) have no-feedback.

Actuators are provided with a numbered screw terminal strip instead of a cable.

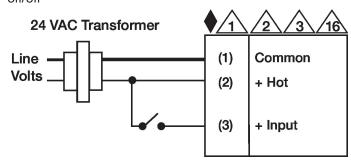
Floating Point - Triac Sink

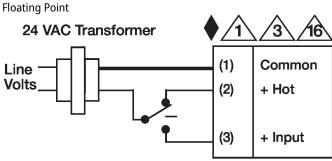
Meets cULus requirements without the need of an electrical ground connection.

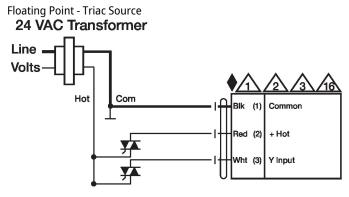
Warning! Live electrical components!

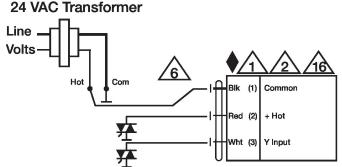
During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.











Dimensions