B6300VB-207, 3", V Ball Control Valve Carbon Steel Body, Hardened Chrome Plated, Stainless Steel Ball and Stem





Application

Water-side control of air handling apparatus in ventilation and air-conditioning system.

Water/Steam control in heating systems.

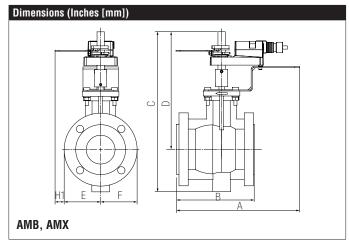
300:1 rangeability.

The dimensions and drilling of end flanges conform to the American cast iron flange standard, Class 150 (ANSI B16.1).

Product Features

Fast quarter turn open or closed operation, Stainless steel ball and stem, Positive shut-off, Two piece body construction

Suitable Actuators					
	Non-Spring	Spring	Electronic Fail-Safe		
B6300VB-207	SY1, AMB(X), PRB(X)	AFB(X)	GK, PKRB(X)		

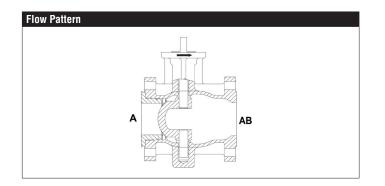


]	А	В	С	D	E	F	H1
_	12.6"	8" [203]	16.35"	12.05"	3.75	" [95]	1.39" [34]
	[320]		[415]	[306]			

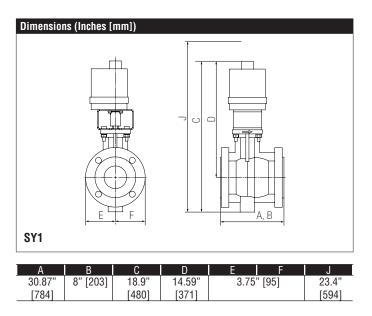
YEAR WARRANTY		YEAR
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Technical Data	
Service	chilled or hot water, up to 60% glycol,
	steam
Flow Characteristic	equal percentage
Controllable Flow Range	75°
Valve Size	3 " [80]
End Fitting	NPT female ends (1" to 2"); ISO flange (3" to 6")
Body	WCC Grade Carbon steel
Ball	stainless steel
Stem	stainless steel
Stem Packing	spring loaded Teflon® V-ring
Seat	Teflon®
Body Pressure Rating	{415_with_label}
ANSI Class	150
Max Inlet Pressure (Steam)	200 psi
Media Temperature Range (Water)	-22°F to 380°F [-30°C to 193°C]
Media Temperature Range (Steam)	-22°F to 380°F [-30°C to 193°C]
Maximum Differential Pressure (Steam)	100 psi
Max Differential Pressure (Water)	150 psi
Maximum Differential Pressure Steam (Rotary Actuator)	100 psi
Close-Off Pressure	150 psi
Close-Off Pressure (Steam)	200 psi
Rangeability	300:1
Cv	207
Weight	37.5 lb [17 kg]
Leakage	ANSI Class IV
Servicing	repack/rebuild kits available

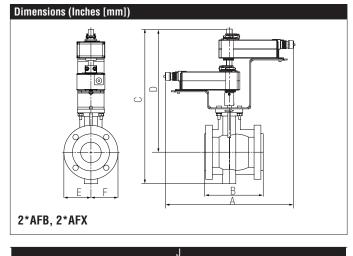




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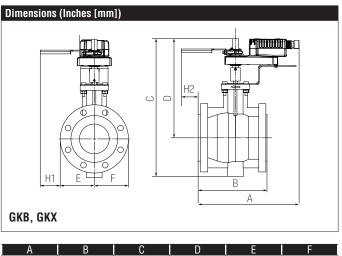
А	В	C	D	E	F	H1
13" [332]	8" [203]	17.03"	12.73"	3.75	" [95]	1.39" [34]
		[433]	[323]			



J 30.34" [770]







А	В	C	D	E	F
17.11"	8" [203]	21.55"	17.25"	3.75	" [95]
[435]		[547]	[438]		



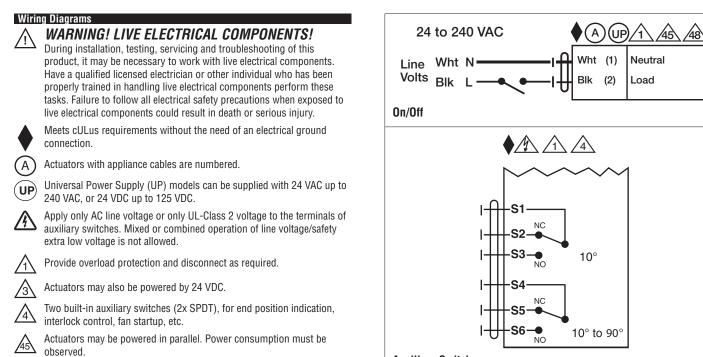


Technical Data	
Power Supply	24240 VAC, -20% / +10%, 50/60 Hz,
	24125 VDC, ±10%
Power Consumption Running	7.5 W
Power Consumption Holding	3.5 W
Transformer Sizing	7 VA @ 24 VAC (class 2 power source), 8.5
	VA @ 120 VAC, 18 VA @ 240 VAC
Electrical Connection	(2) 3ft [1m], 18 GA appliance cables with
	1/2" conduit connectors
Overload Protection	electronic throughout 0° to 95° rotation
Operating Range Y	on/off
Feedback Output U	No Feedback
Angle of Rotation	95°,
Torque motor	180 in-lbs [20 Nm]
Direction of Rotation (Motor)	reversible with CW/CCW mounting
Direction of Rotation (Fail-Safe)	reversible with CW/CCW mounting
Position Indication	visual indicator, 0° to 95° (0° is full spring
MarcalQuerile	return position)
Manual Override	5 mm hex crank (3/16" Allen), supplied
Running Time (Motor)	<75 sec
Running Time (Fail-Safe)	<20 sec
Ambient Humidity	max. 95% RH non-condensing
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	IP54, NEMA 2, UL Enclosure Type 2
Housing Material	zinc coated metal and plastic casing
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA
	E60730-1:02, CE acc. to 2004/108/EC and
Naina Laval (Matar)	2006/95/EC
Noise Level (Motor)	<50 dB (A)
Noise Level (Fail-Safe)	<62 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	4.6 lb [2.1 kg]
Auxiliary switch	2 x SPDT, 3A resistive (0.5A inductive) @
	250 VAC, one set at 10°, one adjustable 10° to 90°
Degree of Protection IEC/EN	IP54
Degree of Freedom ILO/LN	

†Rated Impulse Voltage 4kV, Type of Action 1.AA.B, Control Pollution Degree 3.



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Auxiliary Switches

Parallel wiring required for piggy-back applications.