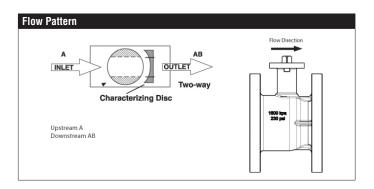
B6300S-110, **2-Way**, **Characterized Control Valve** Stainless Steel Ball and Stem





chilled, hot water, up to 60% glycol
equal percentage
75°
3" [80]
pattern to mate with ANSI 125 flange
cast iron - GG25
stainless steel
stainless steel
EPDM (lubricated)
Teflon® PTFE
EPDM (lubricated)
stainless steel
ANSI 125, standard class B
4
0°F to 250°F [-18°C to 120°C]
50 psi (345 kPa)
100 psi
110
32 lb [14.5 kg]
0% for A to AB
maintenance free

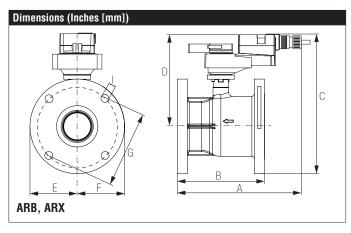


Application

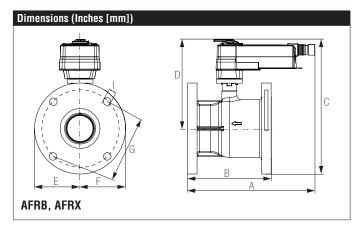
This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable or constant flow.

Suitable Actuators

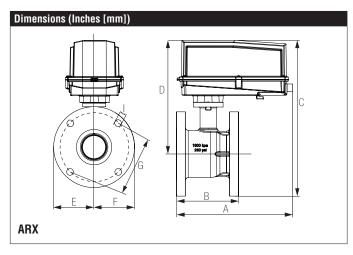
	Non-Spring	Spring
B6300S-110	ARB(X)	AFRB(X)



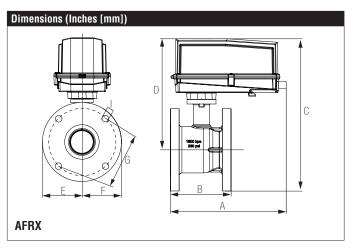
А	В	C	D	E	F	G	
9.61"	6.61"	12.01"	7.79"	3.94"	[100]	6" [152]	0.75"
[244]	[168]	[309]	[198]				[19]



Α	В	С	D	Е	F	G	
9.61"	6.61"	12.79"	9.37"	3.94"	[100]	6" [152]	0.75"
[244]	[168]	[325]	[238]				[19]



Α	В	С	D	E	F	G	
13.25"	6.61"	15.00"	10.47"	3.94"	[100]	6" [152]	0.75"
[337]	[168]	[381]	[266]				[19]



Α	В	С	D	E	F	G	
16"	6.61"	16.61"	11.94"	3.94"	[100]	6" [152]	0.75"
[406]	[168]	[421.9]	[302.23]				[19]

ARX120-3 On/Off, Floating Point, Non-Spring Return, 100 to 240 VAC





nominal 100 to 240 VAC, 50/60 Hz, tolerance
85 to 265 VAC 50/60 Hz
3 W
0.6 W
7 VA (class 2 power source)
18 GA applicance rated cable with 1/2" conduit
connector protected NEMA 2 (IP54) 3ft [1m]
10ft [3m] and 16ft [5m]
electronic thoughout 0° to 90° rotation
600 Ω
90°
reversible with built-in switch
integrated into handle
external push button
90 sec (default), Optional (90 or 150 sec)
-22°F to 122°F [-30°C to 50°C]
-40°F to 176°F [-40°C to 80°C]
NEMA 2, IP54
cULus acc. to UL60730-1A/-2-14, CAN/CSA
E60730-1:02, CE acc. to 2004/108/EC and
2006/95/EC
<45 dB (A)
maintenance free
ISO 9001

†Rated Impulse Voltage 4kV, Type of action 1, Control Pollution Degree 3.







Wiring Diagrams



💢 INSTALLATION NOTES



Actuators with appliance cables are numbered.



Provide overload protection and disconnect as required.



Actuators may be connected in parallel. 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.

