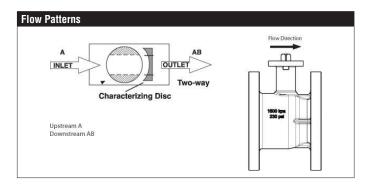




Technical Data	
Service	chilled , hot water, up to 60% glycol
Flow characteristic	equal percentage
Controllable Flow Range	75°
Size [mm]	3" [80]
End Fitting	pattern to mate with ANSI 125 flange
Body	cast iron - GG25
Ball	stainless steel
Stem	stainless steel
Seat	Teflon® PTFE
Characterized Disc	stainless steel
O-ring	EPDM (lubricated)
Body Pressure Rating [psi]	ANSI 125, standard class B
Number of Holes	4
Media Temperature Range (Water)	0°F to 250°F [-18°C to +120°C]
Max Differential Pressure (Water)	50 psi (345 kPa)*
Close-Off Pressure	100 psi
Leakage	0% for A to AB
Cv	110

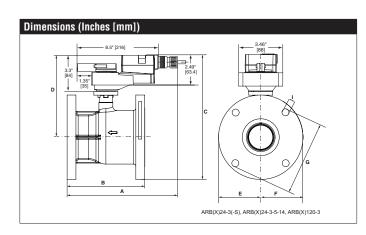


Application

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)

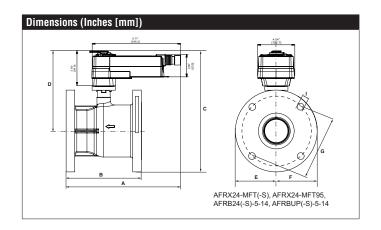


Α	В	С	D	Е	F	G	
9.61"	6.61"	12.01"	7.79"	3.94"	[100]	6" [152]	0.75"
[244]	[168]	[309]	[198]		•		[19]



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

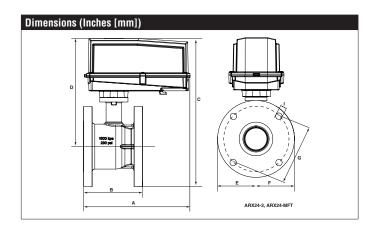




D 1900 by 1900	
A	AFRX24, AFRX24-MFT

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





24 VAC ± 20%, 50/60 Hz, 24 VDC + 20% /
-10%
5 W
2.5 W
7.5 VA (class 2 power source)
1/2" to 1.05" round, centers on 3/4" with
insert, 1.05" without insert
3 ft., 18 GA appliance cable, 1/2" conduit
connector
electronic throughout 0 to 95° rotation
95° (adjustable with mechanical end stop, 35
to 95°)
reversible with CW/CCW mounting
reversible with CW/CCW mounting
dial
5 mm hex crank (3/16" Allen), supplied
75 seconds
< 20 seconds
max. 95% RH non-condensing
-22°F to +122°F [-30°C to +50°C]
-40°F to +176°F [-40°C to +80°C]
NEMA 4, IP66, UL enclosure type 4
polycarbonate
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)
<62 dB (A)
maintenance free
ISO 9001



AFRX24 N4

NEMA 4, On/Off, Spring Return, 24 V

Wiring Diagrams



Meets cULus requirements without the need of an electrical ground



Actuators with appliance cables are numbered.



Provide overload protection and disconnect as required.



Actuators may also be powered by 24 VDC.



Actuators may be powered in parallel. Power consumption must be observed.



Parallel wiring required for piggy-back applications.



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.

