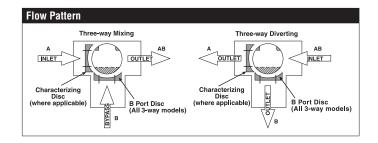
B350, 3-Way, Characterized Control Valve Stainless Steel Ball and Stem





VEAR
WARRANTY

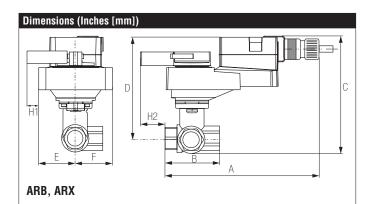
chilled, hot water, up to 60% glycol
A-port equal percentage, B-port modified
for constant common port flow
75°
2" [50]
NPT female ends
forged brass, nickel plated
stainless steel
stainless steel
EPDM (lubricated)
Teflon® PTFE
EPDM (lubricated)
TEFZEL®
400
0°F to 250°F [-18°C to 120°C]
50 psi (345 kPa)
200 psi
57
5.5 lb [2.5 kg]
0% for A to AB, <2.0% for B 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.

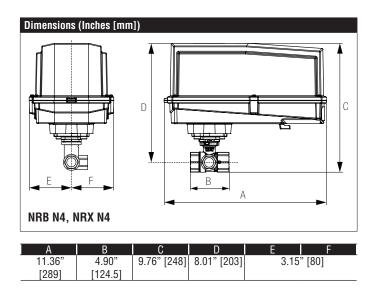
Suitable Actuators		
	Non-Spring	Spring
B350	ARB(X)	AFB(X)

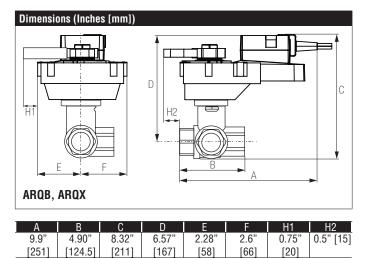


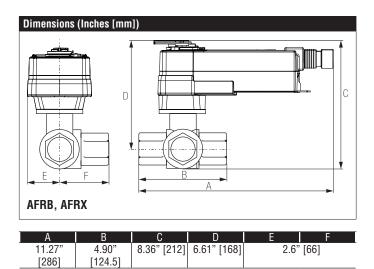
A	В	С	D	E	F	H1
10.5"	4.90"	7.73"	5.98"	1.73" [44]	2.6" [66]	0.75" [20]
[267]	[124.5]	[196]	[152]			



B350, 3-Way, Characterized Control Valve Stainless Steel Ball and Stem









Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%
Power Consumption Running	3.5 W
Power Consumption Holding	1.3 W
Transformer Sizing	5.5 VA (class 2 power source)
Electrical Connection	cable with conduit connector
Overload Protection	electronic thoughout 0° to 90° rotation
Operating Range Y	0 TO 20 V phasecut control is only for the
	positive part of the sine wave (max. of 10 volts)
Input Impedance	8000 Ω (50mW)
Feedback Output U	2 to 10 VDC
Angle of Rotation	90°
Direction of Rotation (Motor)	reversible with built-in switch
Position Indication	integrated into handle
Manual Override	external push button
Running Time (Motor)	90 sec
Ambient Humidity	5 to 95% RH non condensing (EN 60730-1)
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	NEMA 2, IP54
Housing Material	UL94-5VA
Agency Listings†	CULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC and 2006/95/EC
Noise Level (Motor)	max. 45 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	2.2 lb [1 kg]

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



ARX24-PC Modulating, Non-Spring Return, 24 V, 0 to 20 V Phasecut

Wiring Diagrams

 $\sqrt{5}$

/11

🔀 INSTALLATION NOTES

Provide overload protection and disconnect as required.

3 Actuators may also be powered by 24 VDC.

Only connect common to negative (-) leg of control circuits.

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.

