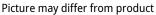


3-way Mixing/Diverting, Characterized Control Valve, Stainless Steel Ball and Stem









Type overview DN Type 1 1/2" [40] B338 **Technical data Functional data** Valve size [mm] 1.5" [40] Fluid chilled or hot water, up to 60% glycol 0...250°F [-18...120°C] Fluid Temp Range (water) **Body Pressure Rating** 400 psi Close-off pressure Δps 200 psi Flow A-port: as stated in chart B-port: 70% of A - AB Flow characteristic A-port equal percentage, B-port modified for

		constant common port flow
	Leakage rate	0% for A – AB, <2.0% for B – AB
	Pipe connection	Internal thread NPT (female)
	Servicing	maintenance-free
	Flow Pattern	3-way Mixing/Diverting
	Controllable flow range	75°
	Cv	19
Materials	Valve body	Nickel-plated brass body

Value hade	Nichal what allows a body		
Valve body	Nickel-plated brass body		
Stem	stainless steel		
Stem seal	EPDM (lubricated)		
Seat	PTFE		
Characterized disc	Stainless steel		
O-ring	EPDM (lubricated)		
Ball	stainless steel		
Non Fail-Safe	ARB(X)		

Suitable actuators

Non Fail-Safe	ARB(X)	
	ARQB(X)	
	ARB(X) N4	
Spring	AFRB(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 re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable or constant flow.

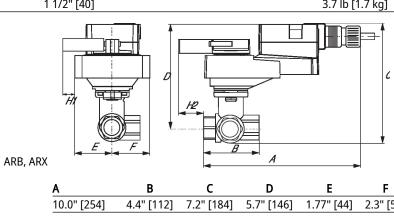
Flow/Mounting details

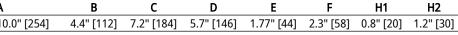
This valve is not suitable for use as a change over valve.

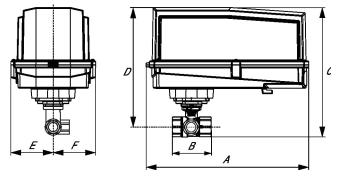


Dimensions

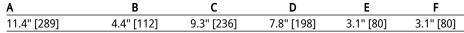


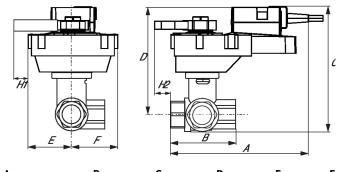






ARB N4, ARX N4



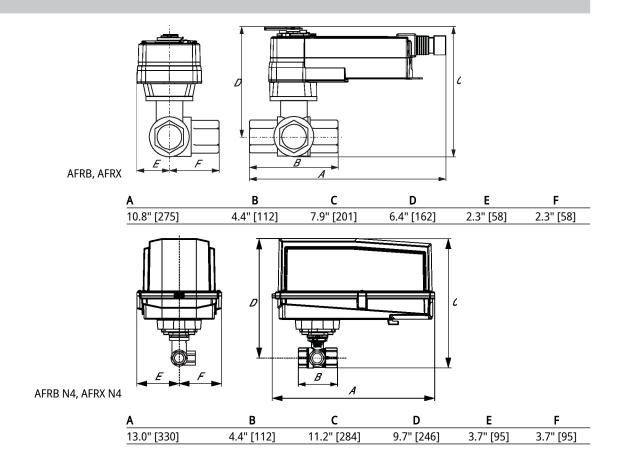


ARQB, ARQX

Α	В	C	D	E	F	H1	H2
9.9" [251]	4.4" [112]	7.8" [199]	6.3" [161]	2.3" [58]	2.3" [58]	0.8" [20]	0.8" [20]



Dimensions





On/Off, Spring return, 24 V





5-year warranty





8.8 V n, with 1/2" NPT o rotation		
n, with 1/2" NPT ° rotation		
n, with 1/2" NPT ° rotation		
n, with 1/2" NPT ° rotation		
° rotation		
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nting		
), supplied		
62 dB(A)		
Class 2 Supply		
2-14, CAN/CSA I/30/EU and		
ctuator with		



Materials Housing material Die cast aluminium and plastic casing

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

Accessories

Factory add-on option only Description Type ACT_PACK_H

Heater, with adjustable thermostat

Electrical installation

< Installation notes

A Actuators with appliance cables are numbered.

Provide overload protection and disconnect as required.

Actuators may also be powered by DC 24 V.

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

AR Parallel wiring required for piggy-back applications.

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.

Wiring diagrams

On/Off

