

2-way, Characterized Control Valve, Stainless Steel Ball and Stem







Type overview	
Туре	DN
B240	40

### **Technical data**

#### Functional data

Valve size [mm]	1.5" [40]			
Fluid	chilled or hot water, up to 60% glycol			
Fluid Temp Range (water)	0250°F [-18120°C]			
Body Pressure Rating	400 psi			
Close-off pressure Δps	200 psi			
Flow characteristic	equal percentage			
Pipe connection type	Internal thread NPT (female)			
Servicing	maintenance-free			
Flow Pattern	2-way			
Leakage rate	0% for A – AB			
Controllable flow range	75°			
Cv	37			
No Characterized Disc	TRUE			

#### Materials

Valve body	Nickel-plated brass body		
Stem	stainless steel		
Stem seal	EPDM (lubricated)		
Seat	PTFE		
Characterized disc	No Disc (full flow)		
O-ring	EPDM (lubricated)		
Ball	stainless steel		
Non-Spring	ARB(X)		

### Suitable actuators

Non-Spring	ARB(X)
	NRQB(X)
Spring	AFRR(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 reheat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.



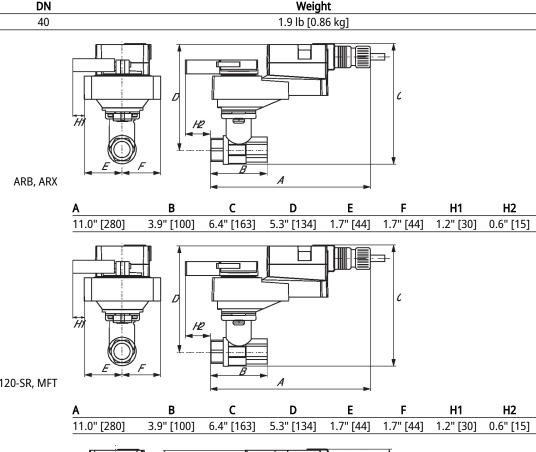
## Flow/Mounting details

0%  $A \to AB \; 100\%$  $\mathsf{A}\to\mathsf{AB}$ 

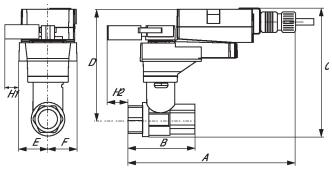
Two-way valves should be installed with the disc upstream.

Dimensions	
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Туре	DN	Weight
B240	40	1.9 lb [0.86 kg]



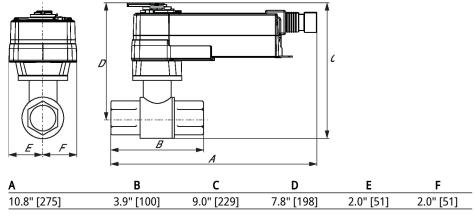
ARB, ARX 120-3, 120-SR, MFT



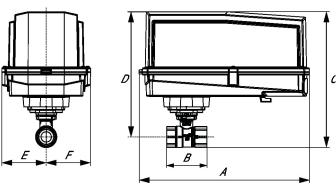
NRQB, NRQX

Α	В	С	D	E	F	H1	H2
11.0" [280]	3.9" [100]	7.1" [181]	6.0" [152]	1.7" [44]	1.7" [44]	1.4" [34]	0.6" [15]

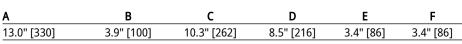


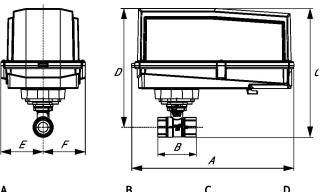


AFRB, AFRX



AFRB N4, AFRX N4





ARB N4, ARX N4, NRB N4, NRX N4

Α	В	С	D	E	F
11.4" [289]	3.9" [100]	8.5" [217]	7.3" [185]	3.1" [80]	3.1" [80]