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B312, **3-Way**, **Characterized Control Valve** Stainless Steel Ball and Stem

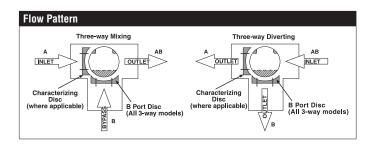






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Technical Data					
Service	chilled, hot water, up to 60% glycol				
Flow Characteristic	A-port equal percentage, B-port modified				
	for constant common port flow				
Controllable Flow Range	75°				
Size [mm]	0.5" [15]				
End Fitting	NPT female ends				
Body	forged brass, nickel plated				
Ball	stainless steel				
Stem	stainless steel				
Stem Packing	EPDM (lubricated)				
Seat	Teflon® PTFE				
Seat O-ring	EPDM (lubricated)				
Characterized Disc	TEFZEL®				
Body Pressure Rating [psi]	600				
Media Temperature Range	0°F to 250°F [-18°C to 120°C]				
(Water)					
Max Differential Pressure (Water)	50 psi (345 kPa)				
Close-Off Pressure	200 psi				
Cv	3				
Weight	0.7 lb [0.3 kg]				
Leakage	0% for A to AB, <2.0% for B to AB				
Servicing	maintenance free				

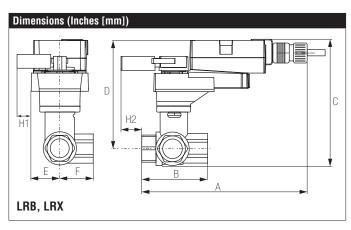


Application

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		
B312	TR, LR, NRB(X)	TFB(X), LF		

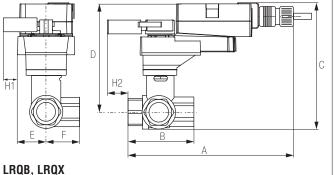


Α	В	С	D	Е	F	H1	H2
8.5"	2.4"	5.19"	5" [127]	1.3"	[33]	1.18"	1.1" [28]
[216]	[61]	[132]				[30]	

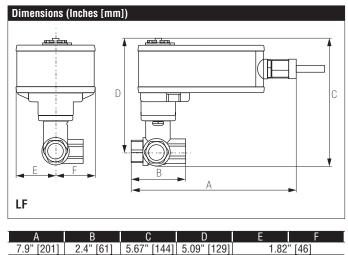
Dimensions (Inches [mm])

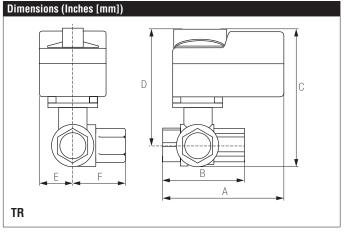
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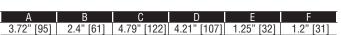


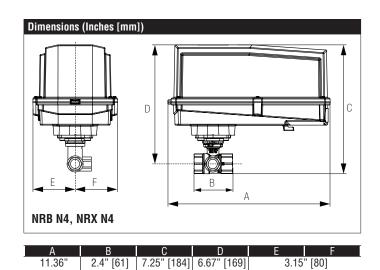


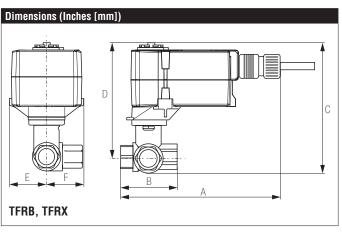
А	В	С	D	Е	F	H1	H2
8.9"	2.4"	5.74"	5.16"	1.58	" [40]	1.18"	1.3" [33]
[226]	[61]	[146]	[131]			[30]	











Α	В	С	D	Е	F
6.59" [167]	2.4" [61]	4.9" [124]	4.32" [110]	1.53	" [38]

[289]