

BELIMO



B2 Series, 2-Way, Characterized Control Valve Chrome Plated Brass Ball and Brass Stem

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 flow.

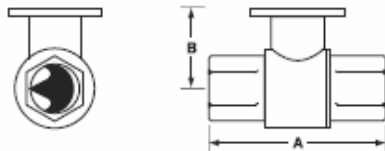
Technical Data	
Service	chilled or hot water, 60% glycol
Flow characteristic	A-port equal percentage
Controllable Flow Range	75°
Sizes	½", ¾"
Type of end fitting	NPT female ends
Materials:	
Body	forged brass, nickel plated
Ball	chrome plated brass
Stem	nickel plated brass
Seats	PTFE
Characterizing disc	Tefzel®
Packing	2 EPDM O-rings, lubricated
Body pressure rating	600 psi
Media temp. range	0°F to 250°F [-18°C to 120°C]
Close off pressure	200 psi
Maximum differential pressure (ΔP)	50 psi for typical applications
Leakage	0% for A to AB
External leakage	according to EN 12266-1:2003
C _v rating	A-port: see product chart for values

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C _v	Valve Nominal Size		Type	Suitable Actuators			
	Inches	DN (mm)		2-way NPT	Non-Spring	Spring	
0.3	½"	15	B207B	TR Series	LR Series	TF Series	LF Series
0.46	½"	15	B208B				
0.8	½"	15	B209B				
1.2	½"	15	B210B				
1.9	½"	15	B211B				
3	½"	15	B212B				
4.7	½"	15	B213B				
7.4	½"	15	B214B				
10	½"	15	B215B				
16	½"	15	B216B				
4.7	¾"	20	B217B				
7.4	¾"	20	B218B				
10	¾"	20	B219B				
14	¾"	20	B220B				
24	¾"	20	B221B*				

*Models without characterizing disc

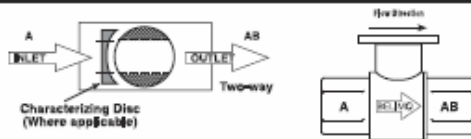
Dimensions



ZIM/14/10/2017/0201

Valve Body	Valve Nominal Size		Dimensions (Inches [mm])	
	Inches	DN [mm]	A	B
B207B-B211B	½"	15	2.38" [60.8]	1.39" [35.2]
B212B-B216B	½"	15	2.38" [60.8]	1.78" [45.2]
B217B-B221B	¾"	20	2.73" [69.3]	1.87" [47.4]

Flow Patterns



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