

# B249VS, 2-Way, Ball Valve

## Bronze Body, Stainless Steel Ball and 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.

This valve is designed with MFT functionality which facilitates the use of various control input.

Up to 35 psi steam

1/2" - 2" 600 PSIG WOG, Cold Non-Shock

Federal Specification: WW-V-35C, Type II

Composition: BZ

Style: 3

### Suitable Actuators

	Non-Spring	Spring	Electronic Fail-Safe
B249VS	GMB(X), SY1, PRB(X)	AFB(X)	PKRB(X)

### Technical Data

Service	chilled or hot water, up to 60% glycol, steam
Flow Characteristic	modified equal percentage
Controllable Flow Range	90° rotation
Size [mm]	2" [50]
End Fitting	NPT female ends
Body	B584-C84400 Bronze
Body Seal	PTFE
Ball	316 stainless steel
Retainer	B16 Brass
Gland	B16 brass
Stem	316 stainless steel
Stem Packing	reinforced PTFE
Stem Bearing	reinforced PTFE
Jam Nut	stainless steel
Seat	reinforced PTFE w/ Durafill
Body Pressure Rating [psi]	600 psig WOG
Max Inlet Pressure (Steam)	35 psi (241 kPa)
Media Temperature Range (Water)	-22°F to 280°F [-30°C to 138°C]
Maximum Differential Pressure (Steam)	35 psi
Close-Off Pressure	600 psi
Maximum Velocity	15 FPS
Cv	108
Weight	6.2 lb [2.8 kg]
Leakage	ANSI Class VI

### Flow Pattern

