

# B249VSS, 2-Way, Ball Valve

## Stainless Steel Body, Ball and Stem



### Application

These threaded valves are designed to provide modulating or two position control of hot or chilled water and saturated steam systems under 50 psi. Typical applications include reheat coils, VAV terminal control, unit ventilators, and air handlers, especially in areas which have minimum profile requirements. Up to 50 psi steam  
1/2" - 2000 PSIG WOG, Cold Non-Shock  
Federal Specification: WW-V-35C, Type II  
Composition: SS  
Style: 3

### Suitable Actuators

	Non-Spring	Spring	Electronic Fail-Safe
B249VSS	GMB(X), SY2	AFB(X)	GKB(X)

### Technical Data

Service	chilled or hot water, up to 60% glycol, steam
Flow Characteristic	modified equal percentage
Controllable Flow Range	90° rotation, A to AB open CCW, B to AB open CW
Size [mm]	2" [50]
End Fitting	sae npt (female connections)
Body	A351-CF8M 316 Stainless Steel
Body Seal	PTFE
Ball	316 stainless steel
Gland	A276-316
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]	1500 psig WOG
Max Inlet Pressure (Steam)	50 psi
Media Temperature Range (Water)	-22°F to 298°F [-30°C to 148°C]
Maximum Differential Pressure (Steam)	50 psi
Max Differential Pressure (Water)	<600 psig
Close-Off Pressure	1000 psi
Maximum Velocity	15 FPS
Cv	108
Weight	6.2 lb [2.8 kg]
Leakage	ANSI Class VI

### Flow Pattern

