



Series  
3MSV

# Compact 3-Way Ball Valve

## 3-Way Blow-Out-Proof Ball & Stem



Handle Position	Flow Path	
Right	B-C	
Left	B-A	
Straight	All closed	

See website for dimensions.

The Series 3MSV Compact 3-Way Ball Valves are the perfect choice for directional control of fluid in instrumentation and process systems. The micro finished ball and PTFE seats ensure quality seal and easy operation. The straight through flow path design allows for minimal pressure drop. The valve body comes in either brass or 316 SS, offering a variety of options. Blow-out-proof ball and stem provides extra durability and safety in the event of over pressure.

**SPECIFICATIONS**

**Service:** Gases and liquids compatible with wetted materials.

**Wetted Materials:**

- Body, connector: 316 SS or brass;
- Stem, ball: 316 SS;
- Stem O-ring, connector O-ring, back-up rings: Fluoroelastomer;
- Ball seats: PTFE.

**Pressure Limits:** 1500 psig (103 bar).

**Temperature Limit:** -40 to 350°F (-40 to 176°C).

**Connections:** Female NPT, fractional tube fitting.

Valve Body	Connection Type	Inlet Size	Outlet Size	Orifice in (mm)	Model	Valve Body	Connection Type	Inlet Size	Outlet Size	Orifice in (mm)	Model
Brass	Fractional Tube Fitting	1/8"	1/8"	0.093 (2.36)	3MSV-BD110	316 Stainless Steel	Fractional Tube Fitting	1/8"	1/8"	0.093 (2.36)	3MSV-SD110
		1/4"	1/4"	0.125 (3.18)	3MSV-BD220			1/4"	1/4"	0.125 (3.18)	3MSV-SD220
		1/4"	1/4"	0.187 (4.75)	3MSV-BD230			1/4"	1/4"	0.187 (4.75)	3MSV-SD230
		3/8"	3/8"	0.250 (6.35)	3MSV-BD340			3/8"	3/8"	0.250 (6.35)	3MSV-SD340
		1/2"	1/2"	0.250 (6.35)	3MSV-BD440			1/2"	1/2"	0.250 (6.35)	3MSV-SD440
		1/2"	1/2"	0.437 (11.10)	3MSV-BD450			1/2"	1/2"	0.437 (11.10)	3MSV-SD450
	Female NPT	3/4"	3/4"	0.437 (11.10)	3MSV-BD550		3/4"	3/4"	0.437 (11.10)	3MSV-SD550	
		1/8"	1/8"	0.125 (3.18)	3MSV-BF120		1/8"	1/8"	0.125 (3.18)	3MSV-SF120	
		1/4"	1/4"	0.250 (6.35)	3MSV-BF240		1/4"	1/4"	0.250 (6.35)	3MSV-SF240	
		3/8"	3/8"	0.250 (6.35)	3MSV-BF340		3/8"	3/8"	0.250 (6.35)	3MSV-SF340	
		1/2"	1/2"	0.437 (11.10)	3MSV-BF450		1/2"	1/2"	0.437 (11.10)	3MSV-SF450	