Two-way MZ Series Valve Body Specifications

Valve Size ..... 1/2 to 1" (15 to 25 mm)
Body Style ..... Globe
Seat Style ..... Metal to Metal
Action ..... NO/NC
Valve Body Rating ..... ANSI Class 250
Stem Travel (Stroke) ..... 7/32" (5.5 mm)
Materials
Body ..... Forged Brass C37700 (1/2 and 3/4 inch) or UNS CA 844 Bronze (1 inch)
Trim ..... Brass
Stem ..... Stainless Steel ASTM A 582 Type 303
Packing ..... EPDM O-rings
Controlled Medium ..... Water, Glycol Solutions up to 50%
Medium Temperature Range ..... 35 to 250°F (2 to 120°C)

Max. Recommended Differential Pressure for Modulating Service ..... 25 psig (173 kPa)
Rangeability
Cv<1 ..... >50:1
Cv≥1 ..... >100:1
Close-off Ratings ..... According to ANSI/FCI 70-2
Leakage Rate ..... Class IV (0.01% of Cv)
Flow Characteristics ..... Modified Equal Percentage
Mounting Location ..... NEMA 1 (Interior Only)

Refer back to the Selection Charts at the beginning of this section to make sure the configuration is valid.

Two-way MZ Series Valve Body Product Ordering

Normally Open/Normally Closed, Brass Trim

Connection	Valve Size in.	Valve Size (mm)	Flow Rate Cv	Flow Rate (Kvs)	Normally Open Part No.	Normally Closed Part No.
Female x Female	1/2	(15)	0.4	(0.34)	**599-01115**	**599-01100**
	1/2	(15)	0.63	(0.54)	**599-01117**	**599-01102**
	1/2	(15)	1	(0.85)	**599-01119**	**599-01104**
	1/2	(15)	1.6	(1.37)	**599-01121**	**599-01106**
	1/2	(15)	2.5	(2.14)	**599-01123**	**599-01108**
	1/2	(15)	4	(3.42)	**599-01126**	**599-01110**
	3/4	(20)	6.3	(5.38)	**599-01129**	**599-01112**
	1	(25)	10	(8.55)	**599-01131**	**599-01114**
Female x Union Male	1/2	(15)	0.4	(0.34)	**599-01116**	**599-01101**
	1/2	(15)	0.63	(0.54)	**599-01118**	**599-01103**
	1/2	(15)	1	(0.85)	**599-01120**	**599-01105**
	1/2	(15)	1.6	(1.37)	**599-01122**	**599-01107**
	1/2	(15)	2.5	(2.14)	**599-01124**	**599-01109**
	1/2	(15)	4	(3.42)	**599-01127**	**599-01111**
	3/4	(20)	6.3	(5.38)	**599-01130**	**599-01113**
Angle Female x Union Male	1/2	(15)	2.5	(2.14)	**599-01125**	—
	1/2	(15)	4	(3.42)	**599-01128**	—

There are no repair parts for this product. Replace the entire valve body if inoperative.

Two-way MZ Series Valve Actuator Product Ordering

Description			Part No.	Actuator Prefix Code
	Electro-Mechanical	24 V, floating Non-Spring Return	**SSB81U**	**254**
		24 V, 0-10 V Non-Spring Return	**SSB61U**	**255**

Accessories & Service Kits A-257