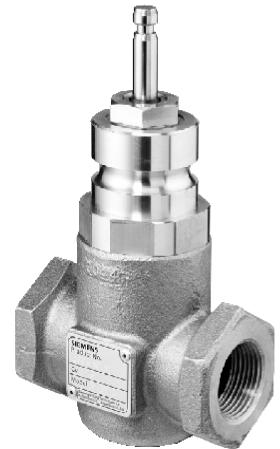


Two-way Globe Valves

1/2 to 2-inch Bronze Body

Normally Open or Normally Closed



Flowrite Two-way Globe Valve.

Description

Designed to work with either a pneumatic or electronic actuator with a 3/4-inch (20 mm) stroke, the Flowrite Two-way Globe Valves are available in ANSI Class 250 for Normally Closed or Normally Open action.

Features

- Direct-coupled bonnet
- Equal percentage or linear flow characteristics
- Brass or stainless steel trim
- Standard- or high-temperature packing
- Close-off up to 250 psi
- Fully serviceable
- Greater than 100:1 rangeability
- Accepts any 3/4-inch stroke Flowrite pneumatic or electronic actuator
- ANSI Leakage Class IV (0.01% of Cv)
- Cartridge-type packing for easy service
- Orderable as a valve only or as a complete valve/actuator assembly

Applications

The Flowrite Two-way Globe Valves are recommended for water, low and high pressure steam, and glycol solutions up to 50 percent.

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Valves

Two-way Globe Valve Specifications

Valve Size	1/2 to 2" (15 to 50 mm)
Body Style	Globe Style Control Valve
Seat Style	Single Seat, Metal to Metal
Action	Normally Closed (NC), Normally Open (NO)
Stem Travel (Stroke)	3/4" (20 mm)
Valve Body	ANSI Class 250
Materials	
Body	UNS CA 844 Bronze
Trim	Brass or Stainless Steel
Stem	Stainless Steel ASTM A582 Type 303
Packing	
Normal Duty	EPDM O-rings
Steam	PTFE V-rings and EPDM O-ring
Operating	
Controlled Medium	Saturated Steam, Water, Glycol Solutions up to 50%
Medium Temperature Range	
Normal Duty Packing	20 to 250°F (-7 to 120°C)
Steam Packing	337°F (170°C) Max.

Max. Recommended Differential Pressure for Modulating Service

Brass Trim	
Liquid	25 psi (173 kPa)
Steam	15 psi (103 kPa)
Stainless Steel Trim	
Liquid	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Max. Inlet Pressure

Water	Refer to Flowrite Reference Section.
Steam	100 psig (690 kPa)

Rangeability >100:1

Close-off Ratings According to ANSI/FCI 70-2

Leakage Rate Class IV (0.01% of Cv)

Flow Characteristics Equal Percentage or Linear

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Valves

Two-way Globe Valve Body Product Ordering

Normally Open/Normally Closed, Equal Percentage



Connection	Valve Size in. (mm)	Flow Rate Cv (Kvs)	Stroke (in.)	Normally Open Part No.	Normally Closed Part No.
Standard-Temperature Packing — 20 to 250°F (-7 to 120°C)					
Brass Trim					
Female x Female	1/2 (15)	1 (0.9)	3/4	599-03162	599-03180
	1/2 (15)	1.6 (1.4)	3/4	599-03163	599-03181
	1/2 (15)	2.5 (2.2)	3/4	599-03164	599-03182
	1/2 (15)	4 (3.4)	3/4	599-03165	599-03183
	3/4 (20)	6.3 (5.4)	3/4	599-03166	599-03184
	1 (25)	10 (8.6)	3/4	599-03167	599-03185
	1-1/4 (32)	16 (14)	3/4	599-03168	599-03186
	1-1/2 (40)	25 (22)	3/4	599-03169	599-03187
	2 (50)	40 (34)	3/4	599-03170	599-03188
Stainless Steel Trim					
Female x Female	1/2 (15)	1 (0.9)	3/4	599-03108	599-03126
	1/2 (15)	1.6 (1.4)	3/4	599-03109	599-03127
	1/2 (15)	2.5 (2.2)	3/4	599-03110	599-03128
	1/2 (15)	4 (3.4)	3/4	599-03111	599-03129
	3/4 (20)	6.3 (5.4)	3/4	599-03112	599-03130
	1 (25)	10 (8.6)	3/4	599-03113	599-03131
	1-1/4 (32)	16 (14)	3/4	599-03114	599-03132
	1-1/2 (40)	25 (22)	3/4	599-03115	599-03133
	2 (50)	40 (34)	3/4	599-03116	599-03134

Accessories & Service Kits

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