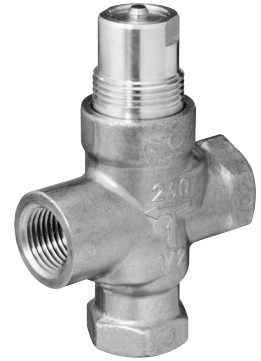


Three-way Mixing Valves

1/2 to 1-inch



Powermite MT Series
Three-way Globe Valve.

Description

The Powermite MT Series Three-way Globe Valves are designed to work with either a pneumatic or electronic actuator with a 7/32-inch (5.5 mm) stroke.

Features

- Direct-coupled universal bonnet
- No tools required for installation
- Choice of brass or stainless steel trim
- ANSI Leakage Class IV (0.01% of Cv)
- ANSI Class 250 body
- Available in 3 to 8 psig, 8 to 13 psig or 10 to 15 psig spring ranges with pneumatic actuation
- Interchangeable pneumatic or electronic actuators
- Orderable as valve only or complete valve/actuator assembly

Applications

The Powermite MT Series Three-way Globe Valves are used for mixing of hot or chilled water for convectors, fan coil units, unit conditioners, radiation, reheat coils, and similar terminal units requiring water mixing.

Recommendation:




Only use the MT Series Valve Actuators. When using this valve with a pneumatic actuator, note that MT valve bodies have the spring in the body, rather than the actuator. To order the correct valve body, select the proper spring range.

Alternate spring ranges for pneumatic sequencing are available as valve and actuator factory assemblies only.

A-141

Valves

Three-way Mixing MT Series Valve Actuator Product Ordering

| Description | | Part No. | Actuator Prefix Code | |
|---|--------------------|-----------------------------------|----------------------|------------|
|  2" | Pneumatic* | 3-8 psi (21-55 kPa) | 599-01088 | 257 |
| | | 8-13 psi (55-90 kPa) | 599-01088 | 258 |
| | | 10-15 psi (69-103 kPa) | 599-01088 | 256 |
|  | Electro-Mechanical | 24 V, Floating, Spring Return | SSC81.5U | 260 |
| | | 24 V, Floating, Non-Spring Return | SSC81U | 259 |
| | | 24 V, 0-10 V, Spring Return | SSC61.5U | 262 |
| | | 24 V, 0-10 V, Non-Spring Return | SSC61U | 261 |
|  | Electro-Mechanical | 24 V, Floating, Spring Return | SQS85.53U | 266 |
| | | 24 V, 0-10 V, Spring Return | SQS65.5U | 265 |
| | | 24 V, 0-10 V, Non-Spring Return | SQS65U | 264 |

*Powermite MT Series valve bodies have the spring in the body, rather than in the pneumatic actuator. There are different valve part numbers for the different spring ranges.

A-143

Valves

Dimensions and Weights

| Valve Size in. | Dimensions | | | Weight |
|-------------------|-------------------|---------------------|--------------------|----------------------|
| | A | B | C | |
| 1/2" (15 mm) | 2-3/4" (70 mm) | 2-15/16" (74 mm) | 1-5/16" (33 mm) | 1.5 lb. (0.7 kg) |
| 3/4" (20 mm) | 3-1/4" (83 mm) | 2-3/8" (59 mm) | 1-5/16" (33 mm) | 2.3 lb. (1.05 kg) |
| 1" (25 mm) | 3-7/8" (98 mm) | 3-15/16" (99 mm) | 1-9/16" (39 mm) | 3.3 lb. (1.5 kg) |

