# Three-way Mixing MT Series Valve Specifications

**Valve Size** ..... 1/2 to 1" (15 to 25 mm)
**Body Style** ..... Globe
**Seat Style** ..... Metal to Metal
**Action** ..... Three-way Mixing
**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 ..... Stainless Steel or Brass
Stem ..... Stainless Steel ASTM A582 Type 303
Packing ..... EPDM O-rings
**Spring Ranges**
Standard ..... 8 to 13 psig
Optional ..... 3 to 8 psig (21 to 55 kPa) 10 to 15 psig (69 to 103 kPa)
**Controlled Medium** ..... Water, Steam, Glycol Solutions up to 50%
**Medium Temperature Range** ..... 35 to 250°F (2 to 120°C)

**Max. Recommended Differential Pressure for Modulating Service**
Brass Trim ..... 25 psi (173 kPa)
Stainless Steel Trim ..... 50 psi (345 kPa)
Steam Stainless Steel Trim ..... 15 psi (103 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**
A→AB ..... Modified Equal Percentage
B→AB ..... Linear
**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.



# Three-way Mixing MT Series Valve Body Product Ordering

## Linear, Brass Trim

| Valve Size in. | Valve Size (mm) | Flow Rate Cv | Flow Rate (Kvs) | Stroke (in.) | Part No. |
|---|---|---|---|---|---|
| 1/2 | (15) | 0.4 | (0.34) | 7/32 | **599-02064** |
| 1/2 | (15) | 0.63 | (0.54) | 7/32 | **599-02065** |
| 1/2 | (15) | 1 | (0.85) | 7/32 | **599-02066** |
| 1/2 | (15) | 1.6 | (1.37) | 7/32 | **599-02067** |
| 1/2 | (15) | 2.5 | (2.14) | 7/32 | **599-02068** |
| 1/2 | (15) | 4 | (3.42) | 7/32 | **599-02069** |
| 3/4 | (20) | 6.3 | (5.38) | 7/32 | **599-02070** |
| 1 | (25) | 10 | (8.55) | 7/32 | **599-02071** |

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

# Three-way Mixing MT Series Valve Body Product Ordering

## Linear, Stainless Steel Trim

| Valve Size in. | Valve Size (mm) | Flow Rate Cv | Flow Rate (Kvs) | Stroke (in.) | Part No. |
|---|---|---|---|---|---|
| 1/2 | (15) | 0.4 | (0.34) | 7/32 | **599-02072** |
| 1/2 | (15) | 0.63 | (0.54) | 7/32 | **599-02073** |
| 1/2 | (15) | 1 | (0.85) | 7/32 | **599-02074** |
| 1/2 | (15) | 1.6 | (1.37) | 7/32 | **599-02075** |
| 1/2 | (15) | 2.5 | (2.14) | 7/32 | **599-02076** |
| 1/2 | (15) | 4 | (3.42) | 7/32 | **599-02077** |
| 3/4 | (20) | 6.3 | (5.38) | 7/32 | **599-02078** |
| 1 | (25) | 10 | (8.55) | 7/32 | **599-02079** |

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