



# Water Temperature Control - Groups of Fixtures

## Thermostatic

### Model 425

The model 425 Thermostatic Mixing Valve is for institutional group fixture water temperature control. Compact design with top and/or bottom blended water outlet makes Model 425 ideal for recessed enclosure, plumbing chase and utility/mechanical room installation.

Powerful internal mechanism and stainless steel operating mechanism resist mineral deposition.

Capable of close temperature control at diverse flow rates between 2 gpm (7.5 lpm) and 49 gpm (185 lpm). Able to blend to within 5°F (2°C) of either inlet supply due to “low seepage” across internal proportioning mechanism.

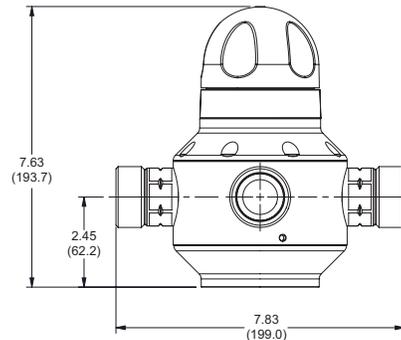
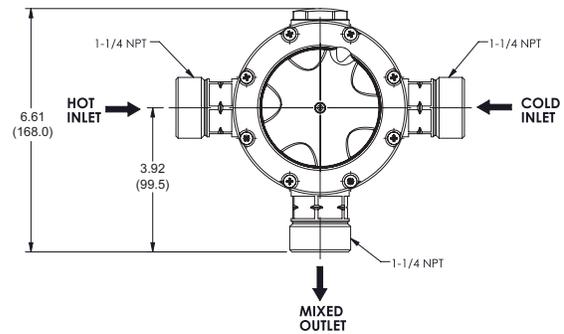
### Operational Specifications

- Dual thermostatic elements provide redundancy in the event of individual thermostat failure.
- Typical outlet temperature control +/-2°F
- Adjustable maximum temperature limit stop
- Adjustable single temperature lockout
- Thermal shutdown mode upon inlet supply failure

### Technical Specifications

- 1-1/4" NPT inlets and 1-1/4" outlet
- Chrome plated brass/stainless steel
- Lead Free compliant
- Operating pressures
  - Maximum: 150 psi (10 bar)
  - Minimum: 10 psi (.7 bar)
- Integral inlet check valves and strainers
- ASSE 1017 and CSA B125 certified
- Shipping weight 18 lbs (8.1 kg)

For a submittal drawing, refer to D73767.



| Thermostatic Mixing Valves (GPM and PSI) |                     |    |    |    |    |    |    |    |    |    |           |                |
|--|---------------------|----|----|----|----|----|----|----|----|----|-----------|----------------|
| Model                                    | Pressure Drop (PSI) |    |    |    |    |    |    |    |    |    | Min. Flow | C <sub>v</sub> |
|  | 5                   | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |           |                |
| 425                                      | 15                  | 22 | 27 | 31 | 35 | 38 | 41 | 44 | 46 | 49 | 2.0       | 6.9            |
| GPM                                      |                     |    |    |    |    |    |    |    |    |    |           |                |

| Thermostatic Mixing Valves (LPM and BAR) |                     |      |       |       |       |       |       |       |       |       |           |                |
|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------|
| Model                                    | Pressure Drop (BAR) |      |       |       |       |       |       |       |       |       | Min. Flow | C <sub>v</sub> |
|  | 0.3                 | 0.7  | 1.0   | 1.4   | 1.7   | 2.1   | 2.4   | 2.8   | 3.1   | 3.4   |           |                |
| 425                                      | 56.8                | 83.3 | 102.2 | 117.3 | 132.5 | 143.8 | 155.2 | 166.6 | 174.1 | 185.5 | 7.6       | 6.9            |
| LPM                                      |                     |      |       |       |       |       |       |       |       |       |           |                |