



Water Temperature Control - Single Point of Use

Thermostatic

Water Temperature Control - Single Point of Use - Thermostatic, features the Model 215 thermostatic mixing valve which is designed specifically for installation at or near the final point of use.

Model 215 has been designed to offer accurate temperature control in installations where there are diverse flow requirements between .5 and 11 gpm (1.9 and 41.6 lpm).

Sizing

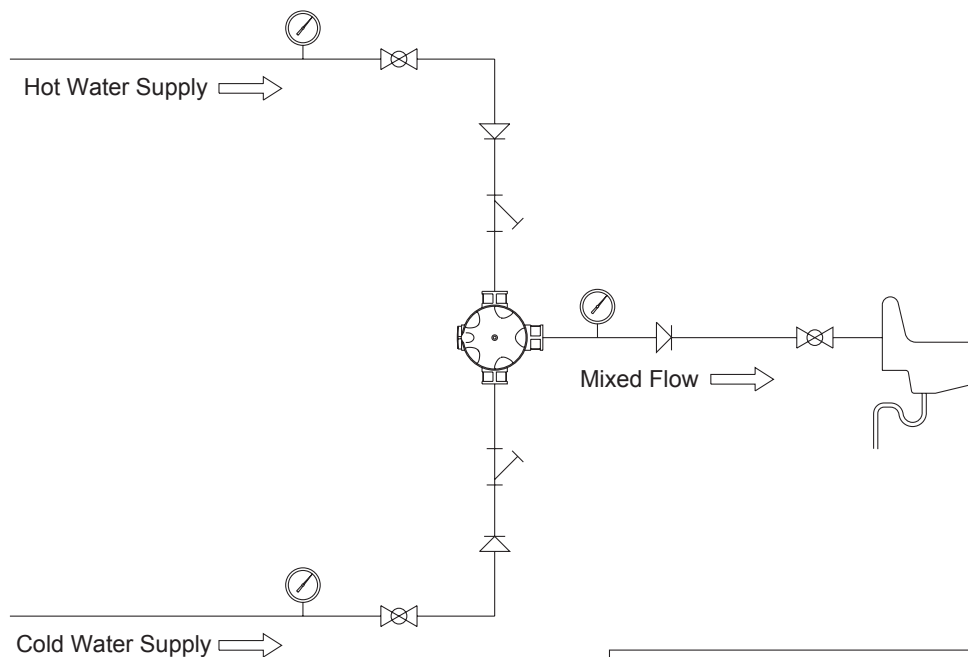
To size a mixing valve for single open outlet applications, simply match the required flow rate with the available maintained inlet water pressure. Correlate with required minimum flow rate and make a selection.

Thermostatic Mixing Valves (GPM and PSI)

| Model 215 | Pressure Drop (PSI) | | | | | | | | | | Min. Flow | C _v |
|-----------|---------------------|----|----|----|----|----|----|----|----|----|-----------|----------------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | | |
| GPM | 4 | 5 | 7 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | .5 | 1.7 |

Thermostatic Mixing Valves (LPM and BAR)

| Model 215 | Pressure Drop (BAR) | | | | | | | | | | Min. Flow | C _v |
|-----------|---------------------|------|------|------|------|------|------|------|------|------|-----------|----------------|
| | 0.3 | 0.7 | 1.0 | 1.4 | 1.7 | 2.1 | 2.4 | 2.8 | 3.1 | 3.4 | | |
| LPM | 15.1 | 18.9 | 26.5 | 30.3 | 34.1 | 34.1 | 37.9 | 41.6 | 41.6 | 45.4 | 1.9 | 1.7 |



| System Layout | |
|---------------|-----------------|
| | Thermometer |
| | Isolation Valve |
| | Sink |
| | Check Valve |
| | Strainer |

*last updated 11/15

Thermostatic

Water Temperature Control - Groups of Fixtures - Thermostatic features two Thermostatic Mixing Valves and derivative assemblies designed specifically for use in non-return "dead leg" applications.

The range has been designed to offer accurate temperature control in installations where there are diverse flow requirements.

Sizing

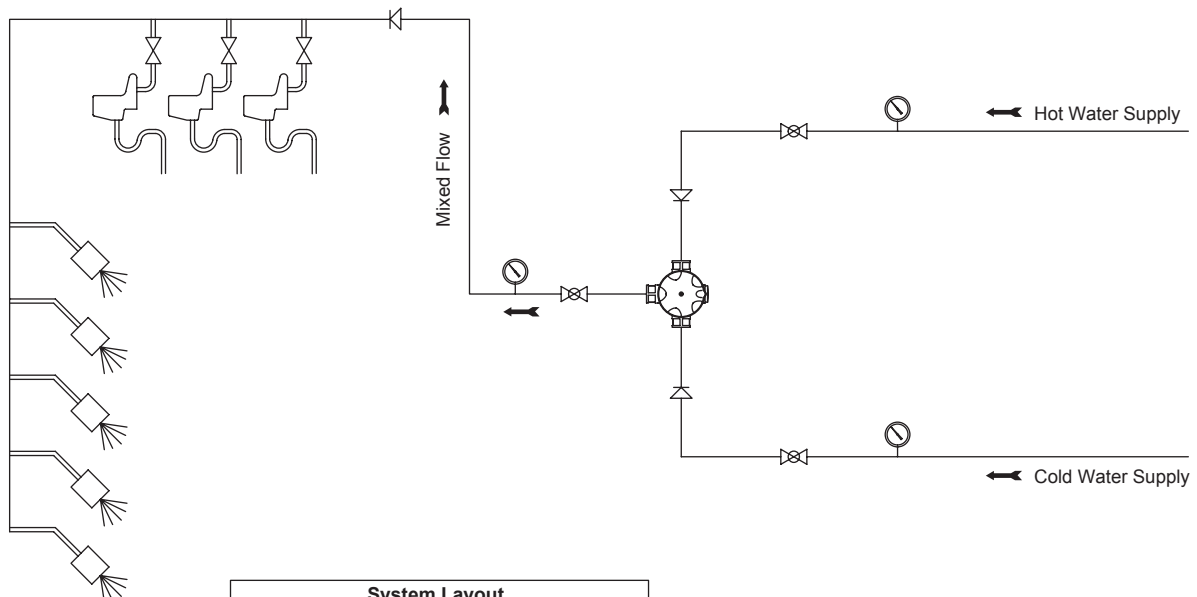
When sizing for zoned or group control applications, ensure that there is sufficient residual pressure (20 psi minimum is suggested) after the mixing valve to satisfactorily operate the outlet fixtures at realistic maximum simultaneous demand.

Thermostatic Mixing Valves (GPM and PSI)

| Model (GPM) | Pressure Drop (PSI) | | | | | | | | | | Min. Flow | C _v |
|----------------|---------------------|----|----|----|----|----|----|----|----|----|--------------|----------------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | | |
| 320 | 8 | 11 | 13 | 15 | 17 | 19 | 20 | 22 | 23 | 24 | 1.0 | 3.4 |
| 425 | 15 | 22 | 27 | 31 | 35 | 38 | 41 | 44 | 46 | 49 | 2.0 | 6.9 |

Thermostatic Mixing Valves (LPM and BAR)

| Model (LPM) | Pressure Drop (BAR) | | | | | | | | | | Min. Flow | C _v |
|----------------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
| | 0.3 | 0.7 | 1.0 | 1.4 | 1.7 | 2.1 | 2.4 | 2.8 | 3.1 | 3.4 | | |
| 320 | 30.3 | 41.6 | 49.2 | 56.8 | 64.4 | 71.9 | 75.7 | 83.3 | 87.1 | 90.8 | 3.8 | 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 |



*last updated 11/15