

**HYDROGUARD® XP Master Tempering Valves Supply Fixture
Series MM430 Bottom Inlets/Side Outlet – Wall Mounted Cabinet**

Product Specification

Features ■

- Paraffin-based advanced thermal actuation technology to sense and adjust outlet temperature
- Dirt and lime resistant poppet and seat design
- Virtual shutoff if supply pressure fails
- Vandal-resistant locking mechanism to secure temperature setting
- Stainless steel or white painted cabinets
- Factory tested valve and piping
- Rotatable union triple-duty checkstops with filters, dial-thermometer, ball valve
- Rough bronze and chrome finishes

Specifications ■

Connections See chart on reverse

Maximum Hot Water Supply Temperature 200°F (93°C)

Minimum Hot Water Supply Temperature* 5°F (3°C) above set point

Minimum Flow** 0.5 gpm (1.9 lpm)

Maximum Operating Pressure 125psi (861 kPa)

Temperature Adjustment Range*** Standard 90 – 160°F (32 – 71°C)
Low 60 – 90°F (16 – 32°C)

Hot Water Inlet Temperature Range 120 – 180°F (49 – 82°C)

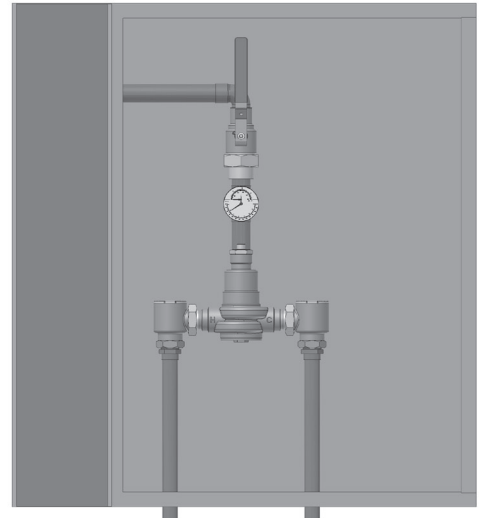
Cold Water Inlet Temperature Range 40 – 80°F (4 – 27°C)

Listing/Compliance–Valve Only ASSE 1017, CSA B125

**With equal pressure*

***Minimum flow when the valve is installed at or near hot water source w/recirculated tempered water with a properly sized continuously operating recirculating pump*

****Note: Low limit cannot be less than the cold water temperature. For best operation, hot water should be at least 5°F (3°C) above desired set point.*



Advanced Thermal Activation

Capacity ■

| Flow Capacity at 50-50 Mixed Ratio | | | | | | | | |
|------------------------------------|------------------------|-------|----------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| Model | Min. Flow to ASSE 1017 | Cv | Pressure Drop Across Valve | | | | | |
| | | | 5psi (34 kPa) | 10psi (69 kPa) | 20psi (138 kPa) | 30psi (207 kPa) | 45psi (310 kPa) | 60psi (414 kPa) |
| MM431 | 3 gpm 11 lpm | 6.32 | 14 gpm 53 lpm | 20 gpm 76 lpm | 28 gpm 106 lpm | 35 gpm 132 lpm | 42 gpm 159 lpm | 49 gpm 185 lpm |
| MM432 | 4 gpm 15 lpm | 9.49 | 21 gpm 80 lpm | 30 gpm 114 lpm | 42 gpm 159 lpm | 52 gpm 197 lpm | 64 gpm 242 lpm | 74 gpm 280 lpm |
| MM433 | 5 gpm 19 lpm | 16.44 | 37 gpm 140 lpm | 52 gpm 197 lpm | 74 gpm 280 lpm | 90 gpm 341 lpm | 110 gpm 416 lpm | 127 gpm 481 lpm |
| MM434 | 7 gpm 26 lpm | 21.50 | 48 gpm 182 lpm | 68 gpm 257 lpm | 96 gpm 363 lpm | 118 gpm 447 lpm | 144 gpm 545 lpm | 167 gpm 632 lpm |
| MM435 | 10 gpm 38 lpm | 31.00 | 69 gpm 261 lpm | 98 gpm 371 lpm | 139 gpm 526 lpm | 170 gpm 644 lpm | 208 gpm 787 lpm | 240 gpm 908 lpm |

