

HYDROGUARD® XP Series MM430 2 Valve Hi/Lo Supply Fixture Exposed

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
- Factory tested as a complete unit
- Pressure/Temperature Gauges, Ball valves

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*** 90 – 160°F (32 – 71°C)

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

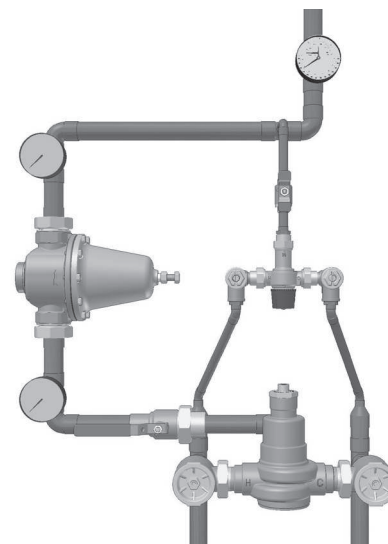
Cold Water Inlet Temperature Range 40 – 80°F (4 – 27°C)

Listing/Compliance (Valve Only) ASSE 1017, CSA B125

**With Equal Pressure*

***Minimum flow when HiLo valve is installed at or near hot water source w/recirculating 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								
		Pressure Drop Across Valve						
Model	Min. Flow to ASSE 1017	Cv	5psi (34 kPa)	10psi (69 kPa)	20psi (138 kPa)	30psi (207 kPa)	45psi (310 kPa)	60psi (414 kPa)
MM431HL	0.5 gpm 1.89 lpm	9.7	22 gpm 83 lpm	31 gpm 117 lpm	43 gpm 163 lpm	53 gpm 201 lpm	65 gpm 246 lpm	75 gpm 284 lpm
MM432HL	0.5 gpm 1.89 lpm	13.0	29 gpm 110 lpm	41 gpm 155 lpm	58 gpm 220 lpm	66 gpm 250 lpm	87 gpm 329 lpm	93 gpm 352 lpm
MM433HL	0.5 gpm 1.89 lpm	19.8	44 gpm 167 lpm	63 gpm 238 lpm	86 gpm 326 lpm	108 gpm 409 lpm	133 gpm 503 lpm	153 gpm 579 lpm
MM434HL	0.5 gpm 1.89 lpm	24.9	56 gpm 212 lpm	79 gpm 299 lpm	111 gpm 420 lpm	136 gpm 515 lpm	167 gpm 632 lpm	193 gpm 731 lpm
MM435HL	3.0 gpm 11.0 lpm	27.7	62 gpm 235 lpm	88 gpm 333 lpm	124 gpm 469 lpm	152 gpm 575 lpm	186 gpm 704 lpm	215 gpm 814 lpm

The technical drawing shows two views of the pump assembly. The left view is a top-down perspective showing the pump body, motor, and various pipes and valves. Dimensions are indicated as follows:

- A**: Horizontal distance between the two vertical support pipes at the base.
- B**: Total horizontal width of the unit at its base.
- C**: Vertical height from the base to the top connection point of the main supply pipe.
- D**: Total vertical height of the unit.

The right view is a side profile of the same unit, showing its depth and internal components. Dimension **E** indicates the total depth or width of the unit.

Note:
Dimensions are shown $\pm 1/2''$
Dimensions in parentheses are in mm

0
1
2
3
4
5

© 2008 Powers