

MX Series Valves

LARGE FLOW PROPORTIONAL THERMOSTATIC MIXING OR DIVERTING VALVE

SPECIFICATION DATA



APPLICATION

Any application requiring accurate control of water temperature based on mixing of hot and cold water, such as: Domestic water for hotels, schools, hospitals, nursing homes, offices, public facilities, commercial and industrial buildings, space heating, central distribution systems, heat pump systems, radiant floor heating, combo systems and industrial applications.

FEATURES

- Dual purpose mixing or diverting valve.
- Constant water temperature under different operating conditions.
- Proportional valve (control of hot and cold water).
- Flow reduction in seconds if cold water supply is uninterrupted.
- Temperature adjustable.
- Unions / tailpieces connections included.
- Install in any position, heat trapping not required.
- Recirculation connection for fast response.
- Brass / stainless steel construction.
- Water surfaces Teflon® coated to prevent lime deposits.
- Allen wrench for temperature adjustment included.
- Maximum pressure differential between hot and cold ports is 7 psi.
- ASSE 1017 tested and certified.
- CSA approved.

Benefits

The MX Series thermostatic mixing valve provides energy savings, increased comfort and safety for the user.

OPERATION

Automatic operation is provided by the thermostatic element. Element will control hot and cold supply based on valve setting. If cold water is shut off, valve reduces mixed flow in seconds (speed/residual flow rates vary by size).



CAUTION

For domestic water application use "C" model, set temperature to not exceed 113° F (45° C) for safety. Do not override calibration. Test temperature with thermometers.



SPECIFICATIONS

Maximum temperature:

MX127, 128, 129, 130, 131, 132: 221° F (105° C)

MX127C, 128C, 129C, 130C: 185° F (85° C)

Minimum temperature difference between hot and mix should be 10° F (6° C).

Maximum working pressure: 150 psi (1034 kPa).

Temperature Range: 113°-149° F (45°-65° C)

For C Models: 86°-113° F (30°-45° C)

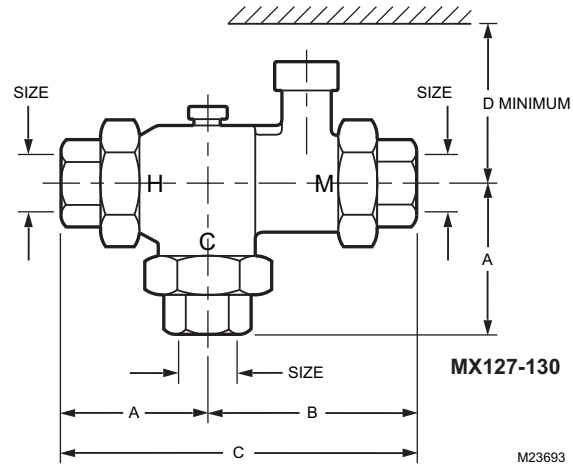
Use C models only for domestic water.


Fig. 1. MX Series Dimensions.
See Table 1 for actual values.

Table 1. MX Series Specifications

Product Number	Size NPT	C _v	Min. Flow (GPM)	GPM @ 30 psi	Weight in Lbs (kg)	Dimensions in inches (mm)			
						A	B	C	D
MX 127	1 in.	4.0	1.0	22	3.6 (1.6)	2.8 (66)	3.7 (94)	6.5 (165)	6.0 (152)
MX 128	1-1/4 in.	9.3	2.5	50	6.4 (2.9)	3.3 (84)	4.4 (112)	7.7 (196)	6.9 (175)
MX 129	1-1/2 in.	13.5	3.5	75	8.4 (3.8)	3.6 (91)	5.0 (127)	8.6 (218)	7.0 (178)
MX 130	2 in.	18.0	5.0	100	13.1 (5.9)	4.2 (107)	5.8 (147)	10.0 (254)	7.3 (185)
MX 127C*	1 in.	4.0	1.0	22	3.7 (1.7)	2.8 (66)	3.7 (94)	6.5 (165)	6.0 (152)
MX 128C*	1-1/4 in.	9.3	2.5	50	6.5 (2.9)	3.3 (84)	4.4 (112)	7.7 (196)	6.9 (175)
MX 129C*	1-1/2 in.	13.5	3.5	75	8.5 (3.9)	3.6 (91)	5.0 (127)	8.6 (218)	7.0 (178)
MX 130C*	2 in.	18.0	5.0	100	13.2 (6.0)	4.2 (107)	5.8 (147)	10.0 (254)	7.3 (185)

* Includes 1/2 in. recirculation adapter.

Replacement Parts

Product Number	Description
MX050-RP	1/2 inch Recirculation Adapter
MX100-RP	1 inch Gasket Kit for MX Series mixing valves
MX125-RP	1 1/4 inch Gasket Kit for MX Series mixing valves
MX150-RP	1 1/2 inch Gasket Kit for MX mixing valves
MX200-RP	2 inch Gasket Kit for MX mixing valves
MX250-RP	2 1/2 inch Gasket Kit for MX mixing valves
MX300-RP	3 inch Gasket Kit for MX mixing valves

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