



Braukmann MX Series Valves

LARGE FLOW PROPORTIONAL THERMOSTATIC MIXING OR DIVERTING VALVE

SUBMITTAL SHEET

Job Name	
Engineer	
Mechanical Contractor	
Contractor's P.O. No.	
Representative	
Notes	

Model(s)			
	Qty.		Notes
	Qty.		Notes
	Qty.		Notes
Approval			
Service			
Tag No.			

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.

Installer:

1. Fill in measured discharge temperature on CAUTION label.
2. Attach CAUTION label to MX series valve.
3. Explain CAUTION label to owner.
4. Leave this instruction sheet with owner or on the job site.

Benefits

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

PRODUCT SPECIFICATIONS

- 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 interrupted.
- Temperature adjustable.
- Union NPT models (1 in., 1-1/4 in., 1-1/2 in., and 2 in.).
- Flange connection models (2-1/2 in. and 3 in.).
- Install in any position, heat trapping not required.
- Recirculation connection for fast response.
- Brass / stainless steel construction.
- Moving parts Teflon® coated to prevent calcium and lime deposits.
- Allen wrench for temperature adjustment included.
- Maximum pressure differential between hot and cold ports is 7 psi.
- ASSE 1017 Listed.
- CSA approved.
- Lead Free Plumbing Code Compliance: the wettable surfaces of lead-free models contain less than 0.25% of lead by weighted average.



SPECIFICATIONS

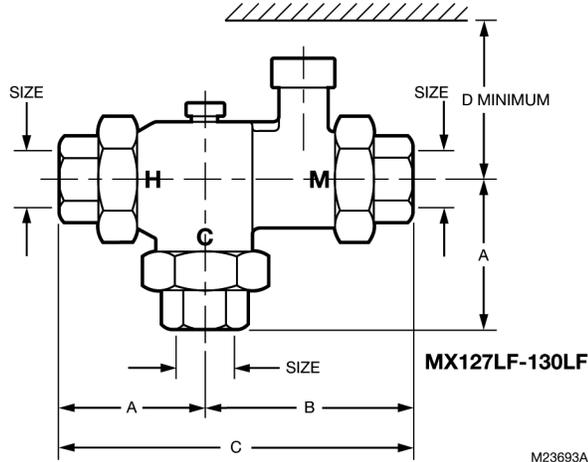


Fig. 1. Dimensions of Union NPT model.

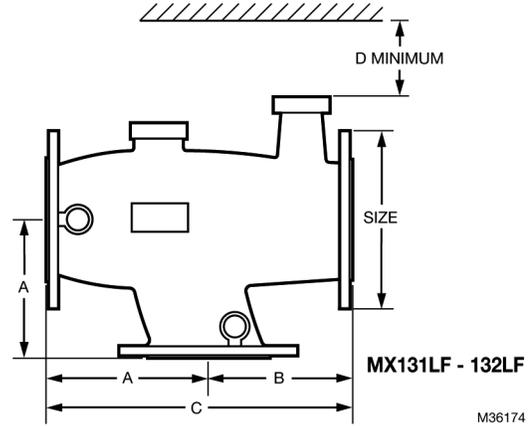


Fig. 2. Dimensions of Flange model.

Table 1. MX Series Valve Models.

Product Number	Size NPT	C _v	Min. Flow (GPM)	GPM @ 30 psi	Temp. Range	Weight in Lbs (kg)	Dimensions (inches)			
							A	B	C	D
MX127LF	1 in.	4.0	1.0	22	113°-149° F (45°-65° C)	3.6 (1.6)	2.8 (66)	3.7 (94)	6.5 (165)	6.0 (152)
MX128LF	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)
MX129LF	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)
MX130LF	2 in.	18.0	5.0	100		13.1 (5.9)	4.2 (107)	5.8 (147)	10.0 (254)	7.3 (185)
MX131LF**	2-1/2 in. Flange	34.0	10.5	186	113°-149° F (45°-65° C)	51 (23.1)	5.7 (144.8)	5.7 (144.8)	11.4 (289.6)	4.0 (101.6)
MX132LF**	3 in. Flange	50.0	15.8	274		62 (28.1)	6.1 (154.9)	6.1 (154.9)	12.2 (309.9)	4.0 (101.6)
MX 050-RP Recirculation Adapter Kit						0.2 (0.1)				
* Union models include 1/2-in. recirculation adapter. ** Flange models recirculation adapter size (MX131LF 1 in. and MX132LF 1-1/4 in.) Maximum Temperature: MX127LF, 128LF, 129LF, 130LF, 131LF, 132LF: 221° F (105°C)						Maximum working Pressure 150 psi (1034 kPa). Minimum temperature difference between hot and mix should be 10° F (6° C).				

Maximum working pressure: 150 psi (1034 kPa).

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