

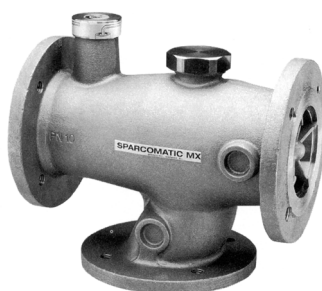
MX Series Valves

LARGE FLOW PROPORTIONAL THERMOSTATIC MIXING OR DIVERTING VALVE

PRODUCT DATA



Union NPT Model



Flange Model

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 uninterrupted.
- 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.
- 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 Listed (Union models only).
- CSA approved.

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.

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 120° F (49° C) for safety. Do not override calibration. Test temperature with thermometers.

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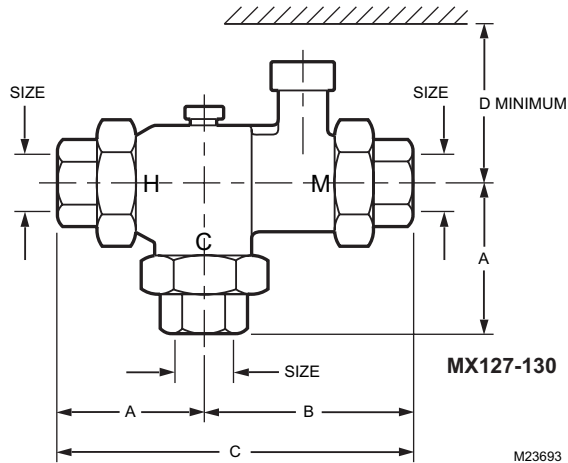


Fig. 1. Dimensions of Union NPT model.

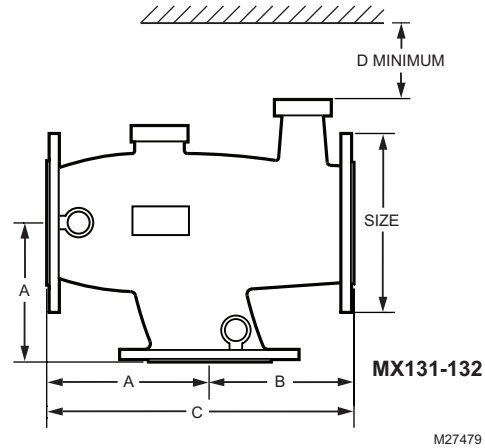


Fig. 2. Dimensions of Flange model.

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 in inches (mm)			
							A	B	C	D
MX 127	1 in.	4.0	1.0	22	110°-150°F (43°-65°C)	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	90°-120° F (32°-49° C)	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)
MX131**	2-1/2 in. Flange	34.0	10.5	186	110°-150°F (43°-65°C)	51 (23.1)	5.7 (144.8)	5.7 (144.8)	11.4 (289.6)	4.0 (101.6)
MX132**	3 in. Flange	50.0	15.8	274	110°-150°F (43°-65°C)	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 (MX131 1 in. and MX132 1-1/4 in.) Maximum Temperature 200° F (93° C)						Maximum working Pressure 150 psi (1034 kPa). Minimum temperature difference between hot and mix should be 10° F (6° C). Use C models only for domestic water.				

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Automation and Control Products Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386

In Canada—Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Toronto, Ontario M1V 4Z9.

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Mixing Applications (Constant Supply Temperature)

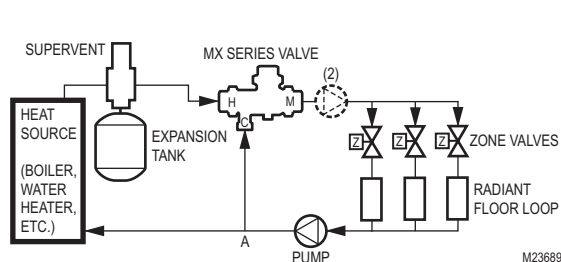


Fig. 6. Single loop.

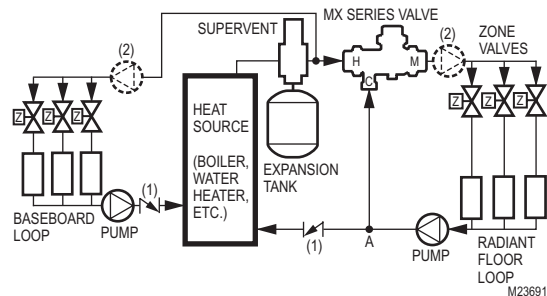


Fig. 8. Multiple Loops. One loop operates at boiler water temperature and MX Series loops at lower temperature.

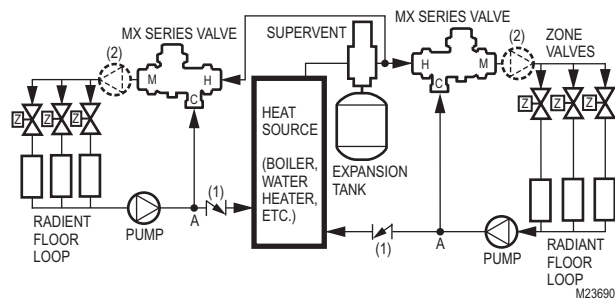


Fig. 7. Multiple loops. Each loop operates at a different temperature.

Diverting Application

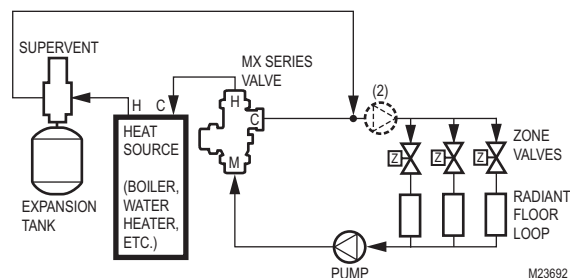


Fig. 9. Single loop. For multiple loops see Mixing Applications.

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