

Model SFMV Series

Lead-Free Supply Fixtures Based On
The MV17 Master Mixing Valves



THERMOSTATIC MIXING VALVES

APPLICATION:

The **MGI CONTROLS**® SFMV Series Supply Fixtures can be accurately referred to as a High/Low valve fixture, compliant with the temperature control requirements of ASSE 1017 at flow rates well below the ASSE standard tested flow rate. The SFMV Series Supply Fixtures are ideal for applications without recirculating pumps where the minimum flow for accurate control can be met by the actual demand of but a few fixtures. They are also ideal for recirculating systems where demand can vary from the pump draw alone (no user demand) up to a very high user usage. From small to large commercial applications, the SFMV series is offered in 5 models/sizes and various inlet and outlet configurations in order to allow you to select the valve with the capacity and performance capable of delivering safely controlled tempered hot water to all your fixtures, at all times.

FEATURES:

- ◆ Lead-Free sweated assembly featuring a DZR brass body mixing valve containing corrosion-resistant internal components.
- Integral cartridge style checks with screens to prevent backflow and to filter debris from entering the valve.
- Temperature adjustment is made using an Allen wrench. A locknut on the bonnet prevents unauthorized or accidental temperature adjustment.
- Commercial quality paraffin actuator provides repeatable, reliable performance.
- Includes lockable full port brass ball valves on inlet and outlet connections.
- Temperature gauge on outlet, with gauges optionally available for inlets.
- Valve is IAPMO certified per ASSE 1017 and CSAB125.3.
- Factory assembled and pneumatically tested to 80 PSI (552 kPa).
- Available with a Cold Water Supply Bypass configuration.
- The MV17 is capable of exceeding the temperature control accuracy requirements of ASSE 1017 at Zero GPM actual user demand. The system must include a continuously operating recirculation pump capable of meeting the minimum flow rate shown on the nearby chart (.5 to 4 GPM based on the model) with a correctly adjusted balancing valve.

* Under Normal Operating Conditions.

◆ The wetted surface of these valves contacted by consumable water contains less than 0.25% of lead by weight in conformance with national lead free law.

GUIDE SPECIFICATION:

SFMV Series Supply Fixtures shall be factory assembled and feature an MV17 Series Mixing Valve which contains an advanced paraffin sensor with a temperature range of 100°F to 160°F (37.8°C to 71°C) and factory set at 120°F (49°C) with a locknut to prevent unauthorized temperature changes. Fixture shall also include copper piping, lockable ball valves and a temperature gauge standard on the valve outlet. Body material shall be "lead-free" brass with corrosion-resistant internal components. Fixture shall include an outlet temperature gauge. Supply Fixture shall be **MGI CONTROLS**® model SFMV- (1, 2, 3, 4 or 5)_____.



SFMV-1-B-OT-CWB-ITG

Federal Public Law 111-380 (No Lead)
Patent #9,898,017

SPECIFICATIONS:

Valve Specifications:

Maximum Operating Pressure: 125 PSI (861 kPa)
 Maximum Hot Water Supply Temp: 180°F (82°C)
 Outlet Temp. Range: 100°F-160°F (38°C-71°C)
 Minimum Hot Water Supply* 5°F (3°C)
 Above Set Point

Flow Rate at 45 PSI (310 kPa) differential:

MV17-1: 15 GPM (56.8 LPM)
 MV17-2: 45 GPM (170 LPM)
 MV17-3: 90 GPM (341 LPM)
 MV17-4: 150 GPM (568 LPM)
 MV17-5: 225 GPM (852 LPM)

NOTE:

ASSE 1017 performance based on actual demand or recirculation pump flow rate or a combination of both. See FEATURES regarding control performance at ZERO GPM user demand.

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Submital # **SFMV Series**
Revised: 08/15/2024 Page 1 of 10

Certifications:



ASSE 1017
CSA B125.3



MGI ConTrols®
42 Sherwood Terrace, Suite #5
Lake Bluff, IL 60044
Phone: (847) 604-4773

www.mgicontrols.com



THERMOSTATIC MIXING VALVES

VALVE SELECTION:

- SFMV-1 Brass Valve Body, 1/2" Inlets & Outlet, 15 GPM (56.8 LPM)
- SFMVCP-1 Rough Chrome Plated Brass Valve Body, 1/2" Inlets & Outlet, 15 GPM (56.8 LPM)
- SFMV-2 Brass Valve Body, 3/4" Inlets & 1" Outlet 45 GPM (170 LPM)
- SFMVCP-2 Rough Chrome Plated Brass Valve Body, 3/4" Inlets & 1" Outlet 45 GPM (170 LPM)
- SFMV-3 Brass Valve Body, 1" Inlets & 1-1/4" Outlet 90 GPM (341 LPM)
- SFMVCP-3 Rough Chrome Plated Brass Valve Body, 1" Inlets & 1-1/4" Outlet 90 GPM (341 LPM)
- SFMV-4 Brass Valve Body, 1-1/4" Inlets & 1-1/2" Outlet 150 GPM (568 LPM)
- SFMVCP-4 Rough Chrome Plated Brass Valve Body, 1-1/4" Inlets & 1-1/2" Outlet 150 GPM (568 LPM)
- SFMV-5 Brass Valve Body, 1-1/2" Inlets & 2" Outlet 225 GPM (852 LPM)
- SFMVCP-5 Rough Chrome Plated Brass Valve Body, 1-1/2" Inlets & 2" Outlet 225 GPM (852 LPM)

PIPING CONFIGURATION:

INLET:

- T Top Supply Inlet
- B Bottom Supply Inlet

OUTLET:

- OT Outlet Top
- OB Outlet Bottom
- OSL Outlet Side, Left
- OSR Outlet Side, Right

VALVE OPTIONS:

- CWB Cold Water Bypass
- ITG Inlet Temperature Gauges, Hot & Cold
- TBV Thermostatic Balancing Valve (**-B-OT Piping Configuration Only. Optional Cabinet Not Available**)

OPTIONAL CABINET:

STYLE

- RC Recessed Cabinet
- SMC Surface Mounted Cabinet

FINISH

- PRC Prime Coat Finish (16 Gage Mild Steel)
- SSTL Stainless Steel (18 Gage Type 304)

DOOR OPTIONS

- DRS Solid Door
- DRV Door Viewport

Must Specify: Hinge Location (N/A SFMV-3, SFMV-4 & SFMV-5)

- L Left
- R Right

SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

Model Number & Options _____ Quantity _____

Company _____

Contact _____ Title _____

Signature (Approval for Manufacturing) _____ Date _____



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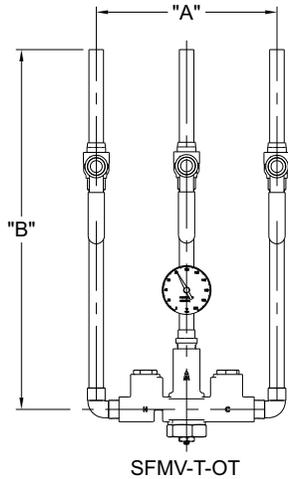
Model SFMV Series

Lead-Free Thermostatic Mixing
Supply Fixtures

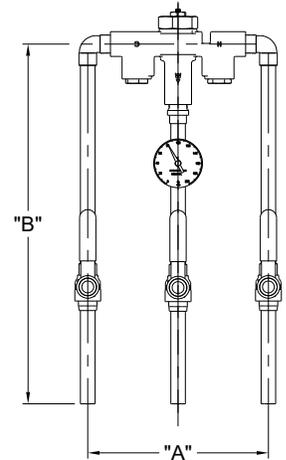
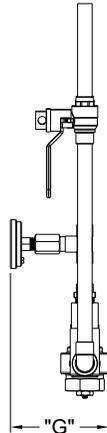


THERMOSTATIC MIXING VALVES

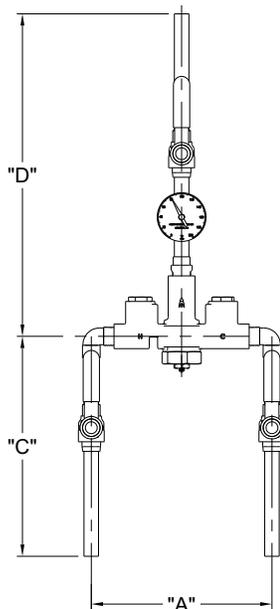
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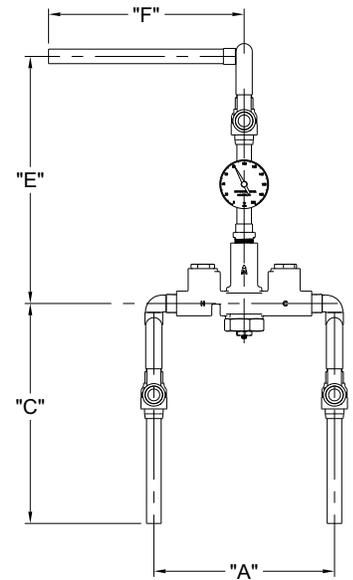
SFMV-T-OT



SFMV-B-OB



SFMV-B-OT



SFMV-OB-OSL

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"
SFMV-1	1/2" NCT	1/2" NCT	7-3/4" (197)	15-1/2" (394)	9-1/2" (241)	13-7/8" (352)	10-5/8" (270)	8-3/8" (213)	4-1/2" (114)
SFMV-2	3/4" NCT	1" NCT	10-3/4" (273)	18-5/8" (473)	9-7/8" (251)	18" (457)	15-7/8" (403)	10" (254)	5-1/4" (133)
SFMV-3	1" NCT	1-1/4" NCT	16-3/4" (425)	23" (584)	10-3/8" (264)	22-7/8" (581)	18-3/4" (476)	15-3/8" (390)	6-3/4" (171)
SFMV-4	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	23-1/4" (591)	13-3/4" (349)	23-1/2" (597)	22-1/4" (565)	16-5/8" (422)	7" (178)
SFMV-5	1-1/2" NCT	2" NCT	18-5/8" (473)	25-1/2" (648)	13-1/4" (337)	26" (660)	23" (584)	15-5/8" (422)	7-1/2" (190)

	PRESSURE DROP (KPA)	CV	*MINIMUM FLOW GPM	CERTIFIED MINIMUM FLOW GPM	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
MV17-1 15 GPM (56.8 LPM)	FLOW RATE GPM (LPM)	2.2	0.1 (0.4)	0.5 (2)	5 (19)	7 (26.7)	8.7 (32.8)	10 (37.9)	12.3 (46.4)	15 (56.8)	17.3 (65.6)
MV17-2 45 GPM (170 LPM)	FLOW RATE GPM (LPM)	6.7	0.1 (0.4)	1 (4)	15 (56.8)	21.2 (80.3)	26 (98.4)	30 (113.6)	36.7 (139)	45 (170.3)	52 (196.7)
MV17-3 90 GPM (341 LPM)	FLOW RATE GPM (LPM)	13.4	0.1 (0.4)	2 (8)	30 (113.6)	42.4 (160.6)	52 (196.7)	60 (227.1)	73.5 (278.2)	90 (340.7)	104 (393.4)
MV17-4 150 GPM (568 LPM)	FLOW RATE GPM (LPM)	22.4	0.1 (0.4)	3 (11)	50 (189)	70.7 (267.7)	86.6 (327.8)	100 (378.5)	122.5 (463.6)	150 (567.8)	173.2 (655.7)
MV17-5 225 GPM (852 LPM)	FLOW RATE GPM (LPM)	33.5	0.1 (0.4)	4 (15)	75 (284)	106 (401.5)	130 (491.7)	150 (567.8)	183.7 (695.4)	225 (851.7)	259.8 (983.5)

*NOTE: MINIMUM FLOW WHEN THE VALVE IS INSTALLED AT OR NEAR HOT WATER SOURCE WITH RE-CIRCULATED TEMPERED WATER USING PROPERLY SIZED CONTINUOUSLY OPERATING RE-CIRCULATING PUMP

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Certifications:



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CSA B125.3



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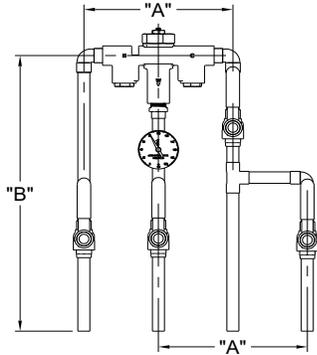
Model SFMV Series

Lead-Free Thermostatic Mixing
Supply Fixtures

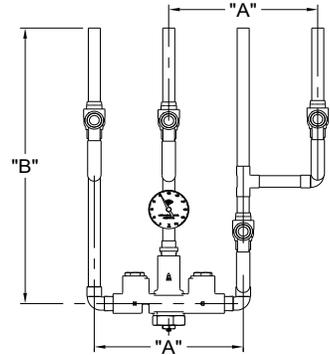
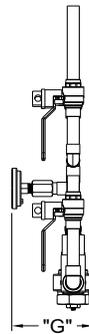


THERMOSTATIC MIXING VALVES

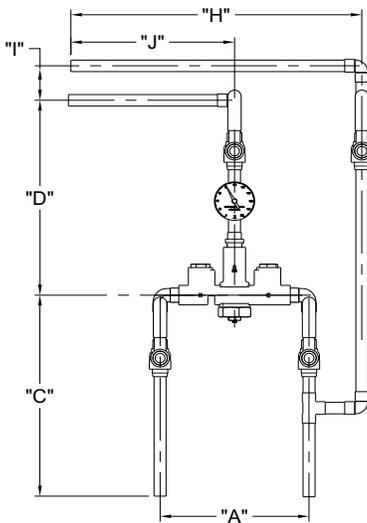
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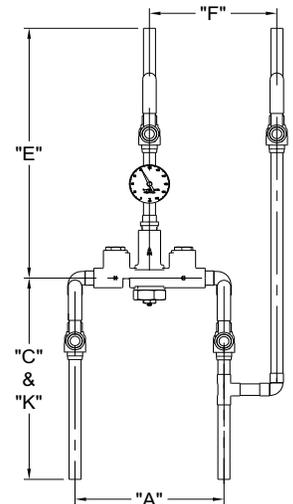
SFMV-B-OB-CWB



SFMV-T-OT-CWB



SFMV-B-OSL-CWB



SFMV-B-OT-CWB

	PRESSURE DROP PSID (KPA)	CV	*MINIMUM FLOW GPM	CERTIFIED MINIMUM FLOW GPM	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
MV17-1 15 GPM (56.8 LPM)	FLOW RATE GPM (LPM)	2.2	0.1 (0.4)	0.5 (2)	5 (19)	7 (26.7)	8.7 (32.8)	10 (37.9)	12.3 (46.4)	15 (56.8)	17.3 (65.6)
MV17-2 45 GPM (170 LPM)	FLOW RATE GPM (LPM)	6.7	0.1 (0.4)	1 (4)	15 (56.8)	21.2 (80.3)	26 (98.4)	30 (113.6)	36.7 (139)	45 (170.3)	52 (196.7)
MV17-3 90 GPM (341 LPM)	FLOW RATE GPM (LPM)	13.4	0.1 (0.4)	2 (8)	30 (113.6)	42.4 (160.6)	52 (196.7)	60 (227.1)	73.5 (278.2)	90 (340.7)	104 (393.4)
MV17-4 150 GPM (568 LPM)	FLOW RATE GPM (LPM)	22.4	0.1 (0.4)	3 (11)	50 (189)	70.7 (267.7)	86.6 (327.8)	100 (378.5)	122.5 (463.6)	150 (567.8)	173.2 (655.7)
MV17-5 225 GPM (852 LPM)	FLOW RATE GPM (LPM)	33.5	0.1 (0.4)	4 (15)	75 (284)	106 (401.5)	130 (491.7)	150 (567.8)	183.7 (695.4)	225 (851.7)	259.8 (983.5)

*NOTE: MINIMUM FLOW WHEN THE VALVE IS INSTALLED AT OR NEAR HOT WATER SOURCE WITH RE-CIRCULATED TEMPERED WATER USING PROPERLY SIZED, CONTINUOUSLY OPERATING RE-CIRCULATING PUMP

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"
SFMV-1 -CWB	1/2" NCT	1/2" NCT	7-3/4" (197)	15 (381)	7-3/4" (197)	10-5/8" (270)	13-1/2" (343)	6-5/8" (168)	4-1/2" (114)	15" (381)	1-7/8" (48)	8-1/2" (216)	N/A
SFMV-2 -CWB	3/4" NCT	1" NCT	10-3/4" (273)	19" (483)	10-3/4" (273)	15-3/4" (400)	18" (457)	8-7/8" (225)	5-1/4" (133)	18-1/2" (470)	1-3/4" (44)	9-5/8" (245)	N/A
SFMV-3 -CWB	1" NCT	1-1/4" NCT	16-3/4" (425)	23" (584)	12-3/4" (324)	18-3/4" (476)	21-7/8" (556)	12-3/4" (324)	6-3/4" (171)	25-3/8" (721)	2-1/4" (57)	12-5/8" (321)	N/A
SFMV-4 -CWB	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	23-1/2" (597)	18-1/4" (464)	19-1/4" (489)	23" (584)	13-1/2" (343)	7" (178)	26-1/2" (673)	3-3/4" (95)	13" (330)	N/A
SFMV-5 -CWB	1-1/2" NCT	2" NCT	18-5/8" (473)	25-1/4" (641)	17-1/4" (438)	23-1/4" (591)	26" (660)	15-5/8" (397)	7-1/2" (190)	29-5/8" (752)	3-3/4" (95)	14" (356)	15-1/2" (394)

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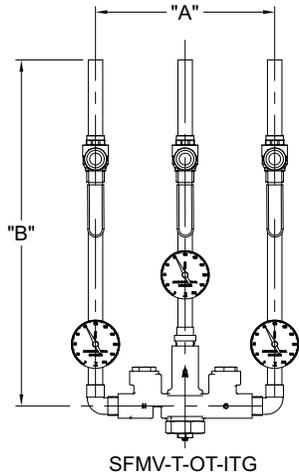
Model SFMV Series

Lead-Free Thermostatic Mixing
Supply Fixtures

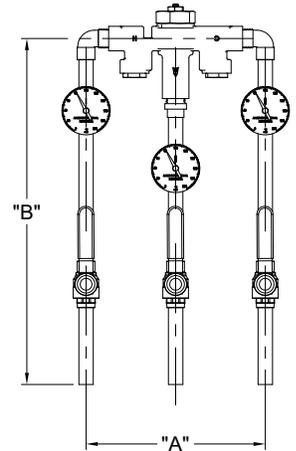
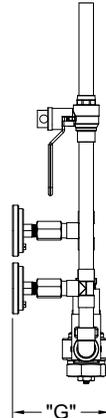


THERMOSTATIC MIXING VALVES

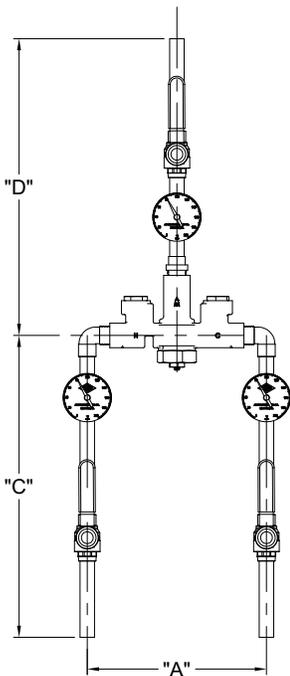
TECHNICAL DIMENSIONS: WITH OPTIONAL -ITG



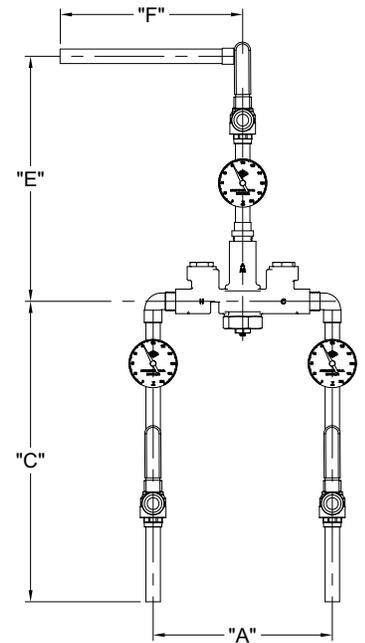
SFMV-T-OT-ITG



SFMV-B-OB-ITG



SFMV-B-OT-ITG



SFMV-B-OSL-ITG

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"
SFMV-1	1/2" NCT	1/2" NCT	7-3/4" (197)	15" (381)	13" (330)	12-7/8" (327)	10-5/8" (270)	7-7/8" (200)	4-1/2" (114)
SFMV-2	3/4" NCT	1" NCT	10-3/4" (273)	18-5/8" (473)	15-5/8" (397)	17" (432)	15-3/4" (400)	9-5/8" (244)	5-1/4" (133)
SFMV-3	1" NCT	1-1/4" NCT	16-3/4" (425)	23" (584)	17-1/2" (445)	19-7/8" (505)	18-3/4" (476)	12-5/8" (321)	6-3/4" (171)
SFMV-4	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	23-1/4" (591)	17-7/8" (454)	23-1/4" (591)	22-1/4" (565)	13" (330)	7" (178)
SFMV-5	1-1/2" NCT	2" NCT	18-5/8" (473)	25-1/2" (648)	19-1/4" (489)	23" (584)	23" (584)	13-5/8" (346)	7-1/2" (190)

	PRESSURE DROP (KPA)	CV	MINIMUM FLOW GPM	CERTIFIED MINIMUM FLOW GPM	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
MV17-1 15 GPM (56.8 LPM)	FLOW RATE GPM (LPM)	2.2	0.1 (0.4)	0.5 (2)	5 (19)	7 (26.7)	8.7 (32.8)	10 (37.9)	12.3 (46.4)	15 (56.8)	17.3 (65.6)
MV17-2 45 GPM (170 LPM)	FLOW RATE GPM (LPM)	6.7	0.1 (0.4)	1 (4)	15 (56.8)	21.2 (80.3)	26 (98.4)	30 (113.6)	36.7 (139)	45 (170.3)	52 (196.7)
MV17-3 90 GPM (341 LPM)	FLOW RATE GPM (LPM)	13.4	0.1 (0.4)	2 (8)	30 (113.6)	42.4 (160.6)	52 (196.7)	60 (227.1)	73.5 (278.2)	90 (340.7)	104 (393.4)
MV17-4 150 GPM (568 LPM)	FLOW RATE GPM (LPM)	22.4	0.1 (0.4)	3 (11)	50 (189)	70.7 (267.7)	86.6 (327.8)	100 (378.5)	122.5 (463.6)	150 (567.8)	173.2 (655.7)
MV17-5 225 GPM (852 LPM)	FLOW RATE GPM (LPM)	33.5	0.1 (0.4)	4 (15)	75 (284)	106 (401.5)	130 (491.7)	150 (567.8)	183.7 (695.4)	225 (851.7)	259.8 (983.5)

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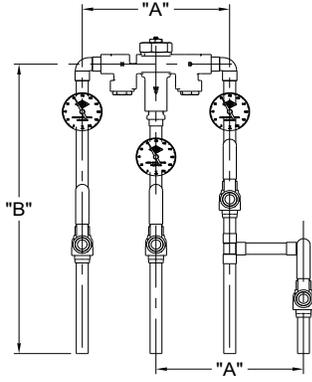
Model SFMV-CWB Series

Lead-Free Thermostatic Mixing Supply Fixtures
Plumbed For Cold Water Supply Bypass

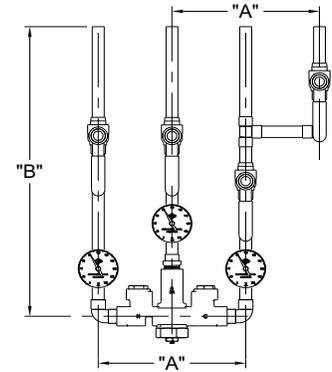
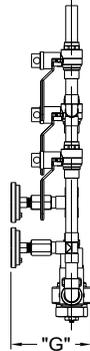


THERMOSTATIC MIXING VALVES

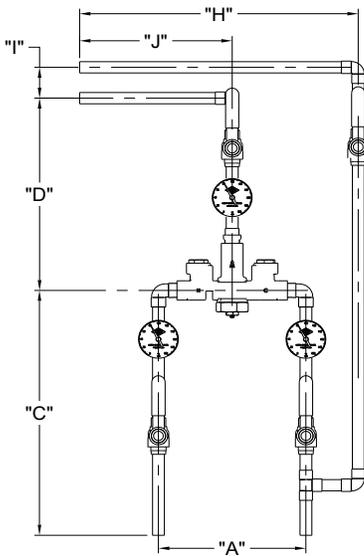
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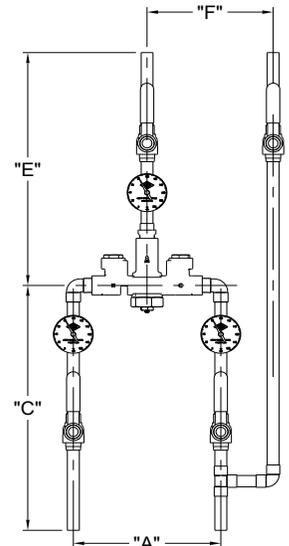
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SFMV-T-OT-CWB-ITG



SFMV-B-OSL-CWB-ITG



SFMV-B-OT-CWB-ITG

	PRESSURE DROP PSID (KPA)	CV	*MINIMUM FLOW GPM	CERTIFIED MINIMUM FLOW GPM	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
MV17-1 15 GPM (56.8 LPM)	FLOW RATE GPM (LPM)	2.2	0.1 (0.4)	0.5 (2)	5 (19)	7 (26.7)	8.7 (32.8)	10 (37.9)	12.3 (46.4)	15 (56.8)	17.3 (65.6)
MV17-2 45 GPM (170 LPM)	FLOW RATE GPM (LPM)	6.7	0.1 (0.4)	1 (4)	15 (56.8)	21.2 (80.3)	26 (98.4)	30 (113.6)	36.7 (139)	45 (170.3)	52 (196.7)
MV17-3 90 GPM (341 LPM)	FLOW RATE GPM (LPM)	13.4	0.1 (0.4)	2 (8)	30 (113.6)	42.4 (160.6)	52 (196.7)	60 (227.1)	73.5 (278.2)	90 (340.7)	104 (393.4)
MV17-4 150 GPM (568 LPM)	FLOW RATE GPM (LPM)	22.4	0.1 (0.4)	3 (11)	50 (189)	70.7 (267.7)	86.6 (327.8)	100 (378.5)	122.5 (463.6)	150 (567.8)	173.2 (655.7)
MV17-5 225 GPM (852 LPM)	FLOW RATE GPM (LPM)	33.5	0.1 (0.4)	4 (15)	75 (284)	106 (401.5)	130 (491.7)	150 (567.8)	183.7 (695.4)	225 (851.7)	259.8 (983.5)

*NOTE: MINIMUM FLOW WHEN THE VALVE IS INSTALLED AT OR NEAR HOT WATER SOURCE WITH RE-CIRCULATED TEMPERED WATER USING PROPERLY SIZED, CONTINUOUSLY OPERATING RE-CIRCULATING PUMP

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"
SFMV-1 -CWB	1/2" NCT	1/2" NCT	7-3/4" (197)	16" (406)	13-1/2" (343)	10-5/8" (270)	12-7/8" (327)	6-5/8" (168)	4-1/2" (114)	14-5/8" (371)	1-3/4" (44)	8" (203)
SFMV-2 -CWB	3/4" NCT	1" NCT	10-3/4" (273)	21-3/8" (543)	17-3/8" (441)	15-3/4" (400)	17" (432)	8-7/8" (225)	5-1/4" (133)	18-1/2" (470)	2" (51)	9-5/8" (244)
SFMV-3 -CWB	1" NCT	1-1/4" NCT	16-3/4" (425)	24" (610)	19" (483)	18-3/4" (476)	20" (508)	12-7/8" (327)	6-3/4" (171)	28-1/2" (724)	2-3/4" (70)	15-5/8" (397)
SFMV-4 -CWB	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	25-3/8" (645)	22-3/8" (568)	22-1/4" (565)	23" (584)	13-1/2" (343)	7" (178)	26-5/8" (676)	3-1/2" (89)	13-1/4" (337)
SFMV-5 -CWB	1-1/2" NCT	2" NCT	18-5/8" (473)	28-1/4" (718)	23-3/8" (594)	23" (584)	23" (584)	15-5/8" (397)	7-1/2" (190)	29-5/8" (752)	3-1/4" (83)	14" (356)

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Submission # **SFMV Series**
Revised: 08/15/2024 Page 6 of 10

Certifications:



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www.mgicontrols.com

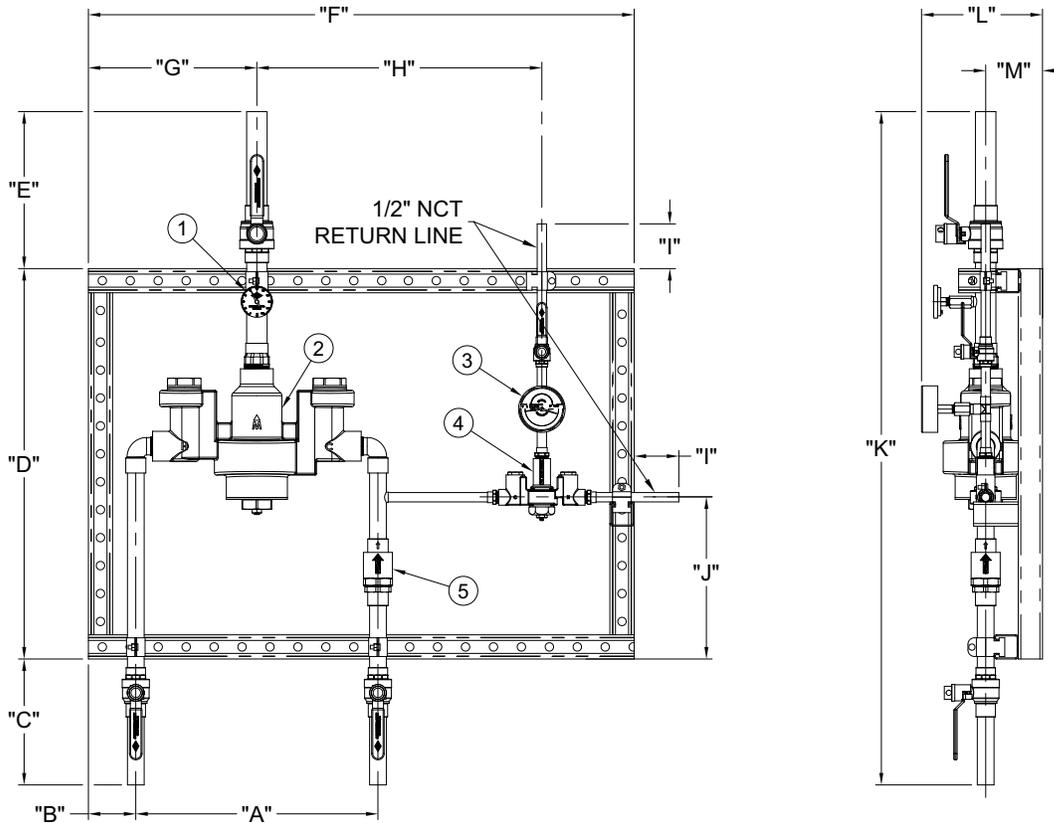
Model SFMV-TBV Series

Lead-Free Thermostatic Mixing Supply Fixtures
With Thermostatic Balancing Valve



THERMOSTATIC MIXING VALVES

TECHNICAL DIMENSIONS: WITH OPTIONAL -TBV



- ① TEMPERATURE GAUGE
- ② MIXING VALVE
- ③ TEMPERATURE/PRESSURE GAUGE
- ④ -TBV THERMOSTATIC BALANCING VALVE
- ⑤ CHECK VALVE

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"
SFMV-1 -TBV	1/2" NCT	1/2" NCT	7-3/4" (197)	2-3/4" (70)	6-1/2" (165)	24" (610)	3" (76)	26" (660)	6-5/8" (168)	13-5/8" (346)	3" (76)	8-7/8" (225)	33-1/2" (851)	5-1/4" (133)	2" (51)
SFMV-2 -TBV	3/4" NCT	1" NCT	10-3/4" (273)	3" (76)	9" (229)	24" (610)	9-1/4" (235)	26" (660)	8-3/8" (213)	11-5/8" (295)	3" (76)	8" (203)	41-3/4" (1060)	5-1/4" (133)	2-1/4" (57)
SFMV-3 -TBV	1" NCT	1-1/4" NCT	16-1/4" (413)	2-7/8" (73)	8-1/2" (216)	26-1/4" (667)	10-1/2" (267)	36-5/8" (930)	11-1/4" (286)	19" (483)	3" (76)	10-7/8" (276)	45-1/4" (1149)	8-1/2" (216)	3-3/4" (95)
SFMV-4 -TBV	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	3-1/4" (82)	9-1/2" (241)	26-1/4" (667)	12" (305)	36-5/8" (930)	12" (305)	18-3/8" (467)	3" (76)	11" (279)	48" (1219)	7-3/8" (187)	4" (102)
SFMV-5 -TBV	1-1/2" NCT	2" NCT	18-5/8" (473)	4-1/8" (105)	9-3/4" (248)	26-1/4" (667)	13-3/8" (340)	36-5/8" (930)	13-1/2" (343)	17" (432)	3" (76)	10-1/4" (260)	49-3/8" (1254)	8-1/4" (210)	4-1/4" (108)

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Submital # **SFMV Series**
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Certifications:



ASSE 1017
CSA B125.3



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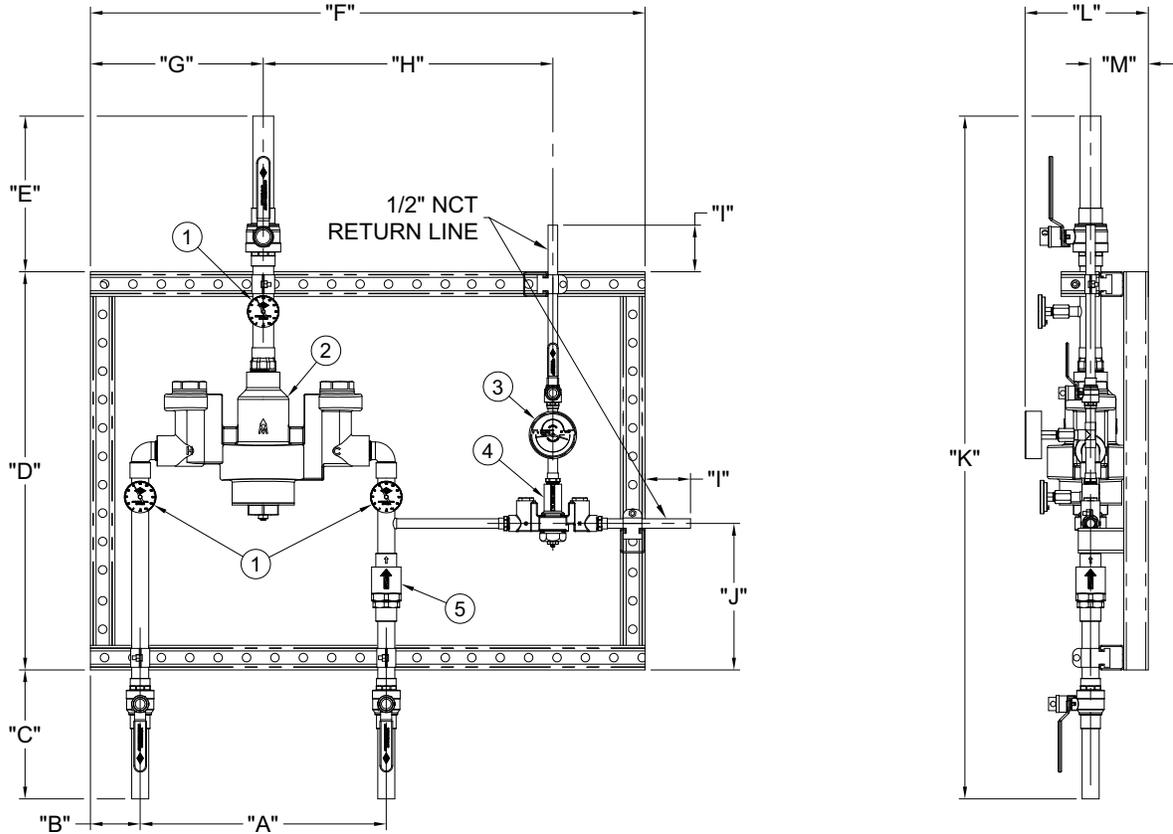
Model SFMV-ITG-TBV Series

Lead-Free Thermostatic Mixing Supply Fixtures
With Inlet Temperature Gauges And Thermostatic
Balancing Valve



THERMOSTATIC MIXING VALVES

TECHNICAL DIMENSIONS: WITH OPTIONS -ITG-TBV



- ① TEMPERATURE GAUGE
- ② MIXING VALVE
- ③ TEMPERATURE/PRESSURE GAUGE
- ④ -TBV THERMOSTATIC BALANCING VALVE
- ⑤ CHECK VALVE

	INLET	OUTLET	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"
SFMV-1 -TBV	1/2" NCT	1/2" NCT	7-3/4" (197)	2-3/4" (70)	6-1/2" (165)	24" (610)	3" (76)	26" (660)	6-5/8" (168)	13-1/2" (343)	3" (76)	6" (152)	32" (813)	6-1/4" (159)	2" (51)
SFMV-2 -TBV	3/4" NCT	1" NCT	10-3/4" (273)	3" (76)	7-5/8" (194)	24" (610)	8-3/8" (213)	26" (660)	8-1/2" (216)	12-5/8" (321)	3" (76)	10" (254)	39" (991)	6-1/2" (165)	2-1/4" (57)
SFMV-3 -TBV	1" NCT	1-1/4" NCT	16-3/4" (425)	2-7/8" (73)	8-1/2" (216)	26-1/4" (667)	10-1/4" (260)	36-5/8" (930)	11-1/2" (292)	19" (483)	3" (76)	9-5/8" (245)	45" (1143)	8-1/4" (210)	3-3/4" (95)
SFMV-4 -TBV	1-1/4" NCT	1-1/2" NCT	17-1/4" (438)	3-1/4" (82)	9-1/2" (241)	26-1/4" (667)	12-1/8" (308)	36-5/8" (930)	12-1/4" (311)	18-1/2" (470)	3" (76)	9-5/8" (245)	47-1/2" (1207)	8-1/4" (210)	4" (102)
SFMV-5 -TBV	1-1/2" NCT	2" NCT	18-5/8" (473)	4-1/8" (105)	9-3/4" (428)	26-1/4" (667)	14-3/8" (365)	36-5/8" (930)	13-3/4" (349)	17" (432)	3" (76)	9-1/2" (241)	50-3/8" (1280)	8-5/8" (219)	4-1/4" (108)

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Submital # **SFMV Series**
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Certifications:



ASSE 1017
CSA B125.3



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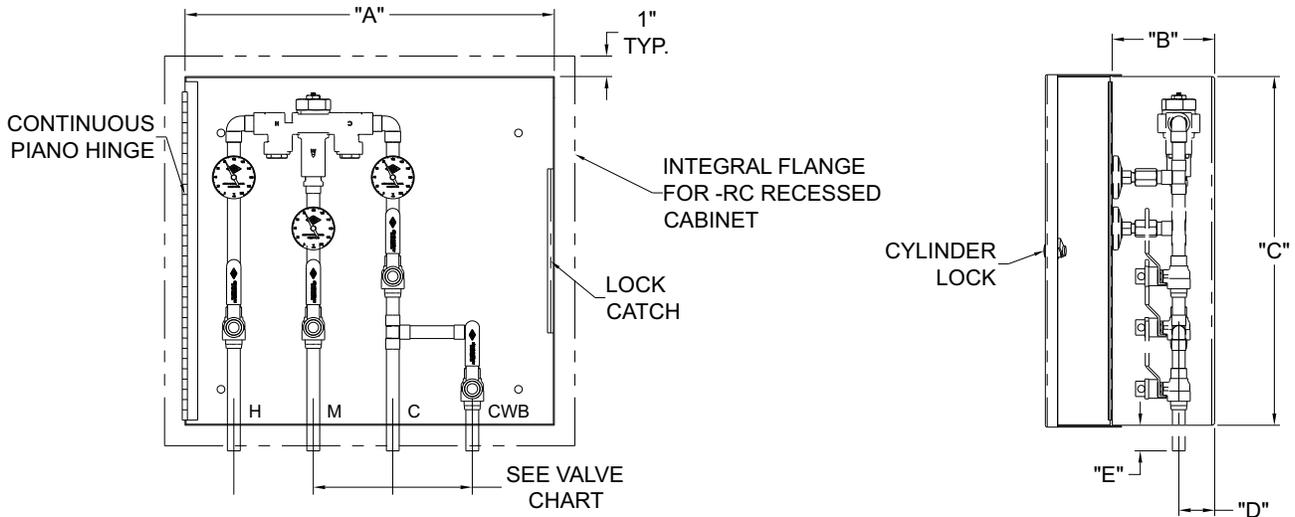
Model SFMV Series Cabinets

Thermostatic Mixing Supply Fixture Cabinets



THERMOSTATIC MIXING VALVES

TECHNICAL DIMENSIONS: WITH OPTIONAL -ITG



CABINET SHOWN LESS DOOR FOR CLARITY

SFMV-1					
INLET		OUTLET			
1/2" NCT	1/2" NCT	"A"	"B"	"C"	"D"
TOP/TOP	15" (380)	5-1/2" (140)	17" (430)	1-3/4" (45)	
BTM/BTM					
BOTTOM TOP	15" (380)	5-1/2" (140)	23" (585)	1-3/4" (45)	
BOTTOM TOP/SIDE	15" (380)	5-1/2" (140)	23" (585)	1-3/4" (45)	
TOP/TOP-CWB	17-1/2" (445)	5-1/2" (140)	17" (430)	1-3/4" (45)	
BTM/BTM-CWB					
BOTTOM TOP-CWB	18" (460)	5-1/2" (140)	23-1/2" (560)	1-3/4" (45)	
BOTTOM TOP/SIDE-CWB	17" (430)	5-1/2" (140)	25-1/2" (650)	1-3/4" (45)	

SFMV-2					
INLET		OUTLET			
3/4" NCT	1" NCT	"A"	"B"	"C"	"D"
TOP/TOP	21" (535)	5-1/2" (140)	22" (560)	2" (50)	
BTM/BTM					
BOTTOM TOP	21" (535)	6" (150)	30" (760)	2-1/4" (60)	
BOTTOM TOP/SIDE	21" (535)	6" (150)	31" (790)	2" (50)	
TOP/TOP-CWB	27-1/2" (700)	5-3/4" (145)	24-1/2" (620)	2" (50)	
BTM/BTM-CWB					
BOTTOM TOP-CWB	21" (535)	6" (150)	30" (760)	2-1/4" (60)	
BOTTOM TOP/SIDE-CWB	21" (535)	6" (150)	31" (790)	2" (50)	

SFMV-3					
INLET		OUTLET			
1" NCT	1-1/4" NCT	"A"	"B"	"C"	"D"
TOP/TOP	28-1/2" (725)	7-5/8" (195)	30" (760)	3-1/2" (90)	
BTM/BTM					
BOTTOM TOP	28-1/2" (725)	7-5/8" (195)	36-1/2" (930)	3-1/2" (90)	
BOTTOM TOP/SIDE	28-1/2" (725)	7-5/8" (195)	36" (915)	3-1/2" (90)	
TOP/TOP-CWB	38-1/2" (980)	7-5/8" (195)	30" (760)	3-1/2" (90)	
BTM/BTM-CWB					
BOTTOM TOP-CWB	28-1/2" (725)	7-5/8" (195)	36-1/2" (930)	3-1/2" (90)	
BOTTOM TOP/SIDE-CWB	28-1/2" (725)	7-5/8" (195)	36" (915)	3-1/2" (90)	

SFMV-4					
INLET		OUTLET			
1-1/4" NCT	1-1/2" NCT	"A"	"B"	"C"	"D"
TOP/TOP	30-1/2" (775)	7-5/8" (195)	30" (XXX)	3-1/2" (90)	
BTM/BTM					
BOTTOM TOP	30-1/2" (775)	7-5/8" (195)	37" (940)	3-1/2" (90)	
BOTTOM TOP/SIDE	31-1/2" (800)	7-5/8" (195)	37" (940)	3-1/2" (90)	
TOP/TOP-CWB	38-1/2" (980)	7-5/8" (195)	29" (735)	3-1/2" (90)	
BTM/BTM-CWB					
BOTTOM TOP-CWB	28-1/2" (725)	7-5/8" (195)	41" (1040)	3-1/2" (90)	
BOTTOM TOP/SIDE-CWB	32-1/2" (825)	7-5/8" (195)	42" (1065)	3-1/2" (90)	

SFMV-5					
INLET		OUTLET			
1-1/2" NCT	2" NCT	"A"	"B"	"C"	"D"
TOP/TOP	32-1/2" (825)	8-5/8" (220)	32" (810)	3-5/8" (90)	
BTM/BTM					
BOTTOM TOP	32-1/2" (825)	8-5/8" (220)	41" (1040)	3-5/8" (90)	
BOTTOM TOP/SIDE	29-1/2" (750)	8-5/8" (220)	43" (1090)	3-5/8" (90)	
TOP/TOP-CWB	41-1/2" (1055)	8-5/8" (220)	32" (810)	3-5/8" (90)	
BTM/BTM-CWB					
BOTTOM TOP-CWB	32-1/2" (825)	8-5/8" (220)	41" (1040)	3-5/8" (90)	
BOTTOM TOP/SIDE-CWB	29-1/2" (750)	8-5/8" (220)	43" (1090)	3-5/8" (90)	

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Submission # **SFMV Series**
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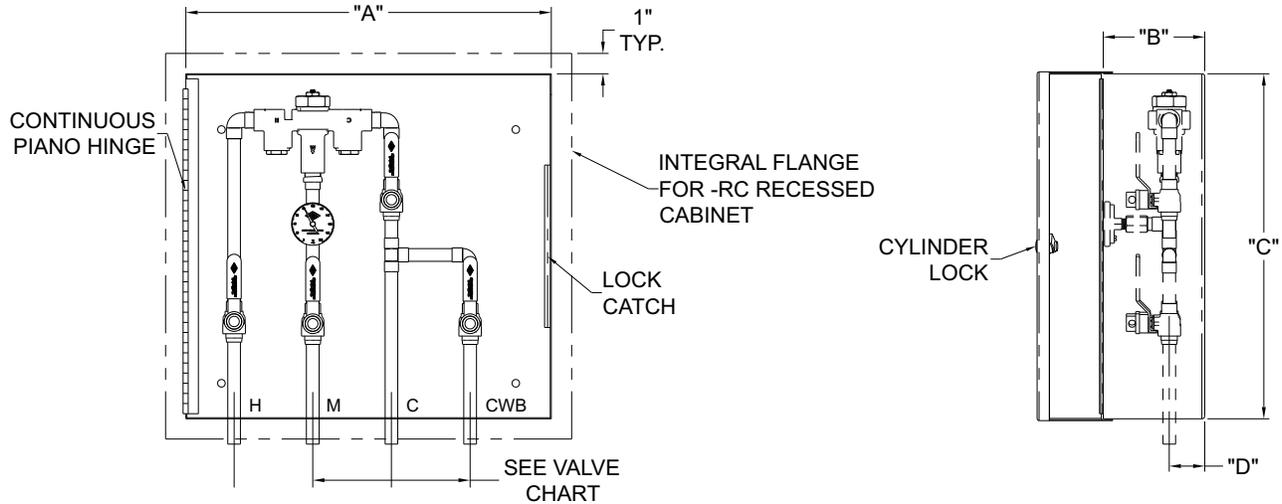
Model SFMV Series Cabinets

Thermostatic Mixing Supply Fixture Cabinets



THERMOSTATIC MIXING VALVES

TECHNICAL DIMENSIONS: LESS OPTIONAL -ITG



CABINET SHOWN LESS DOOR FOR CLARITY

SFMV-1					
INLET	OUTLET				
1/2" NCT	1/2" NCT				
CONFIGURATION	"A"	"B"	"C"	"D"	
TOP/TOP BTM/BTM	15" (380)	5-1/2" (140)	17" (430)	1-3/4" (45)	
BOTTOM TOP	15" (380)	5-1/2" (140)	18" (455)	1-3/4" (45)	
BOTTOM TOP/SIDE	14" (355)	5-1/2" (140)	19" (480)	1-3/4" (45)	
TOP/TOP-CWB BTM/BTM-CWB	17-1/2" (445)	5-1/2" (140)	17" (430)	1-3/4" (45)	
BOTTOM TOP-CWB	17" (430)	5-1/2" (140)	20-1/2" (520)	1-3/4" (45)	
BOTTOM TOP/SIDE-CWB	17" (430)	5-1/2" (140)	23" (585)	1-3/4" (45)	

SFMV-2					
INLET	OUTLET				
3/4" NCT	1" NCT				
CONFIGURATION	"A"	"B"	"C"	"D"	
TOP/TOP BTM/BTM	21" (535)	5-1/2" (140)	22" (560)	2" (50)	
BOTTOM TOP	21" (535)	5-1/2" (140)	24" (610)	2" (50)	
BOTTOM TOP/SIDE	18-1/2" (470)	5-1/2" (140)	26" (660)	2" (50)	
TOP/TOP-CWB BTM/BTM-CWB	27-1/2" (700)	5-3/4" (140)	24-1/2" (625)	2" (50)	
BOTTOM TOP-CWB	28" (710)	5-1/2" (140)	22" (560)	2" (50)	
BOTTOM TOP/SIDE-CWB	21-1/2" (545)	5-1/2" (140)	31" (790)	2" (50)	

SFMV-3					
INLET	OUTLET				
1" NCT	1-1/4" NCT				
CONFIGURATION	"A"	"B"	"C"	"D"	
TOP/TOP BTM/BTM	28-1/2" (725)	7-5/8" (195)	30" (760)	3-1/2" (90)	
BOTTOM TOP	28-1/2" (725)	7-5/8" (195)	29-1/2" (750)	3-1/2" (90)	
BOTTOM TOP/SIDE	28-1/2" (725)	7-5/8" (195)	29" (735)	3-1/2" (90)	
TOP/TOP-CWB BTM/BTM-CWB	38-1/2" (980)	7-5/8" (195)	30" (760)	3-1/2" (90)	
BOTTOM TOP-CWB	30" (760)	8-1/4" (210)	31" (790)	3-1/2" (90)	
BOTTOM TOP/SIDE-CWB	30-1/2" (775)	7-5/8" (195)	34" (865)	3-1/2" (90)	

SFMV-4					
INLET	OUTLET				
1-1/4" NCT	1-1/2" NCT				
CONFIGURATION	"A"	"B"	"C"	"D"	
TOP/TOP BTM/BTM	30-1/2" (775)	7-5/8" (195)	30" (XXX)	3-1/2" (90)	
BOTTOM TOP	30-1/2" (775)	7-5/8" (195)	33" (840)	3-1/2" (90)	
BOTTOM TOP/SIDE	30-1/2" (775)	7-5/8" (195)	37" (940)	3-1/2" (90)	
TOP/TOP-CWB BTM/BTM-CWB	38-1/2" (980)	7-5/8" (195)	29" (735)	3-1/2" (90)	
BOTTOM TOP-CWB	33-1/2" (850)	7-5/8" (195)	37" (940)	3-1/2" (90)	
BOTTOM TOP/SIDE-CWB	32-1/2" (825)	7-5/8" (195)	42" (1065)	3-1/2" (90)	

SFMV-5					
INLET	OUTLET				
1-1/2" NCT	2" NCT				
CONFIGURATION	"A"	"B"	"C"	"D"	
TOP/TOP BTM/BTM	32-1/2" (825)	8-5/8" (220)	32" (810)	3-5/8" (90)	
BOTTOM TOP	32-1/2" (825)	8-5/8" (220)	35" (890)	3-5/8" (90)	
BOTTOM TOP/SIDE	30-1/2" (775)	8-5/8" (220)	36-1/2" (930)	3-5/8" (90)	
TOP/TOP-CWB BTM/BTM-CWB	41-1/2" (1055)	8-5/8" (220)	32" (810)	3-5/8" (90)	
BOTTOM TOP-CWB	36-1/2" (930)	8-5/8" (220)	39" (990)	3-5/8" (90)	
BOTTOM TOP/SIDE-CWB	35-1/2" (900)	8-5/8" (220)	43" (1090)	3-5/8" (90)	

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Certifications:



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