



M SERIES

APPLICATION DATA

- Small Flow Storage Heating
- Small Flow Storage Cooling
- Instantaneous Heaters

VALVE RATINGS

Valve Ends ASME/ANSI	Pressure PSIG (bar)	Temperature ² °F (°C)
CAST IRON		
B16.1 NPT	200 (13.8)	@ 366 (186)
BRONZE		
B16.1 NPT	200 (13.2)	@ 366 (186)

TEMPERATURE RANGES (°F)

20-120	70-120	120-220	150-200	220-270
50-250	70-170	120-170	170-220	270-370
50-400	100-150	170-270	220-320	

M SERIES TEMPERATURE REGULATOR

SIZES 1/2" – 1"

PRESSURES to 250 PSIG at 366°F¹

- Steam or Liquid Service
- Liquid Filled Thermal Element
- Adjusting Sleeve
- Models M and MK Easily Switched between Heating and Cooling
- Ideal for Small Flow Applications
- Unaffected by Inlet Pressure Changes
- Large Internal Ports Minimize Clogging
- Easy Out Cage Trim on GTS Model

MODELS

- **M_ _** – 3/4"-1" Bronze, 100/100¹ PSI Max. Inlet, Heating
- **M_K_** – 3/4"-1" Cast Iron, 100/100¹ PSI Max. Inlet, Heating
- **ME_ _** – 1/2" Bronze, 200/50¹ PSI Max. Inlet, Heating
- **MD_ _** – 1/2" Bronze, 100/50¹ PSI Max. Inlet, Heating
- **MC_ _** – 1/2" Bronze, 50/50¹ PSI Max. Inlet, Heating

OPTIONS

- **R** – Cooling (all except ME)
- **C** – Cooling (all except ME)
- Alternate Bulb Casings
- Alternate Thermal Element
- Armored Capillary
- Calibrated Dial

For Sizing Capacity Tables see Page 54

1. Insert letter code for options in model number as required.

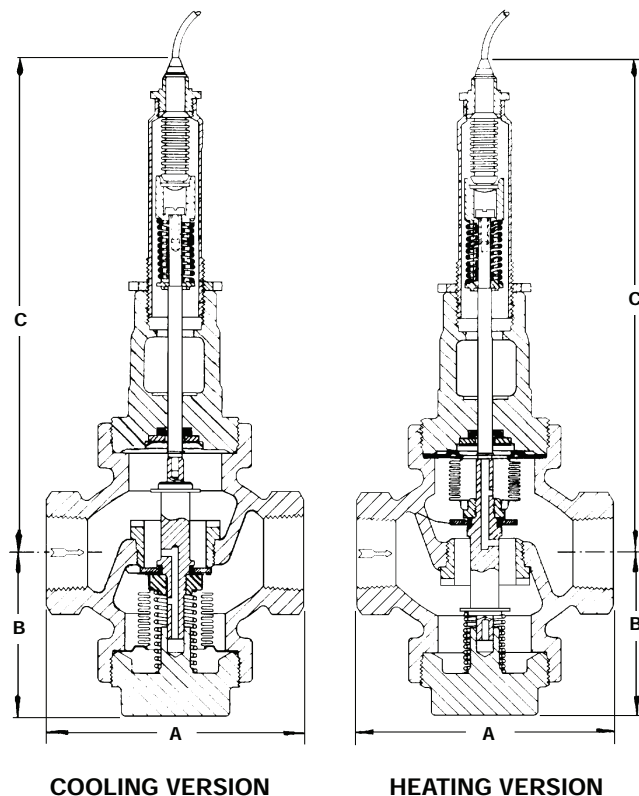
M SERIES TEMPERATURE REGULATOR

SPECIFICATIONS

The temperature regulator shall be self-contained, direct actuated and respond to changes in sensed temperature as little as 1/4°F. Thermostatic system shall be solid liquid filled compact bulb and bellows unit. Yielding spring shall prevent bellows overstressing at temperatures up to 25% over range. Thermostatic element shall be easily replaceable without shutting off the process. Valve travel per degree of temperature change shall be uniform throughout entire adjustable range. Valve stem shall be sealed with low friction, single ring seal requiring no adjustment.

MATERIALS OF CONSTRUCTION

Body, Cast IronASTM A126 Cl. B
 Body, Cast BronzeASTM B61 UNS C92200
 TrimSS
 Bulb Casing, stdBrass
 opt.316 SS
 opt.Monel
 Thermal Element, stdCopper
 opt.316 SS
 opt.Monel



DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

Service	A	B	C	Weight
Cooling	4 1/2 (114)	2 7/8 (73)	8 3/4 (222)	8 (3.6)
Heating	4 1/2 (114)	2 7/8 (73)	8 3/4 (222)	8 (3.6)