

# Faucet Accessories

## Vernatherm™

### Thermostatic Mixing Valve Assembly

#### Model TMA

- Includes One Vernatherm Thermostatic Valve and Two Stop-Strainer-Check Valves
- The Thermostatic Mixing Valve will accommodate 1-12 faucets
- Ideal for Supplying Tempered Water for Bathing or Hand Washing
- Heavy, Rugged Construction
- Full, One-Year Warranty

## Specifications

### User Operation

Valve allows control of water temperature. Standard model is factory preset for delivery temperature of 103°F.

### Materials

Valve slider assembly, with flip ring seal that separates hot and cold water on the outside surface of the slider. Thermostatic piston adjusts upward or downward as the power element heats or cools, forcing the piston against a factory-adjusted set screw which is part of the valve slider assembly.

### Vandal Resistance

Tamper proof – factory set.

### Stop-Strainer-Check-Valve

- Strainer strains water for impurities
- Check – Allows water to flow one way
- Stop – Allows water to be turned off at unit

## Standard Equipment

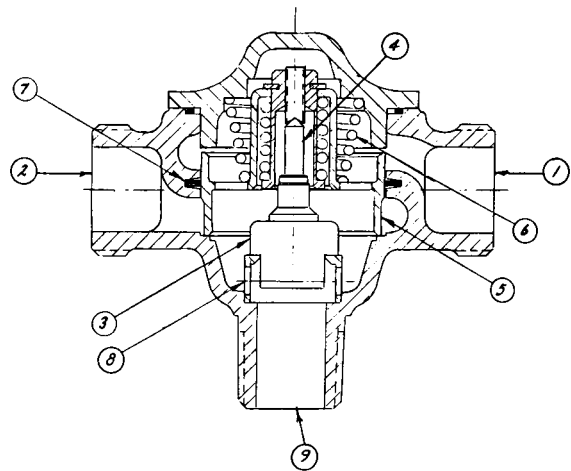
### Flow Control

Thermostatic piston and valve slider maintain mix of hot and cold water when proper temperature has been reached. Water flows in full contact with the sensing body of the power element to insure rapid response of the valve to changing inlet supply water temperatures. Valve shuts down quickly if either cold or hot water supply should fail.



Vernatherm Model TMA

Stop-Strainer-Check Valve



Document No. 3080

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**Bradley** 

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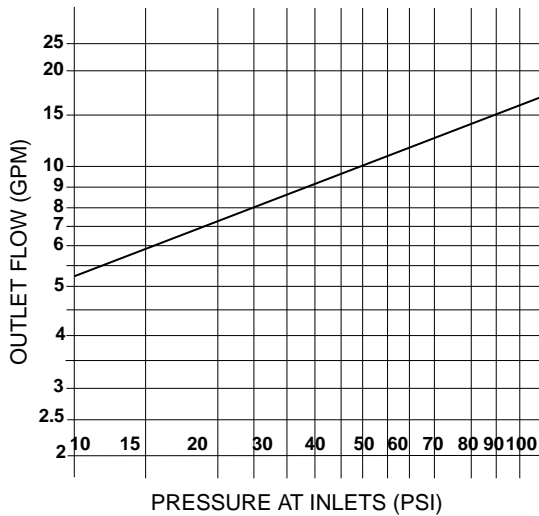
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#### Flow Capacities

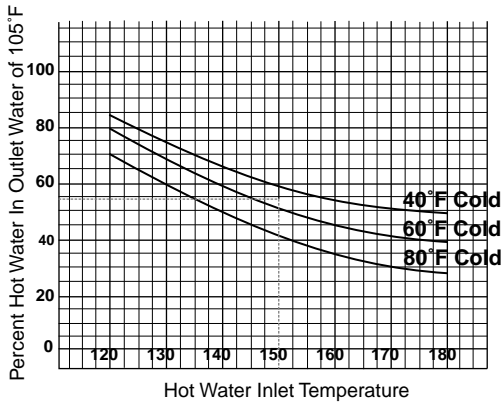
Outlet flow rates at various inlet pressures are shown in Figure. Data obtained by varying the inlet pressures on both hot and cold lines, keeping both pressures the same. Capacities are for the Vernatherm with Bradley's Stop-strainer-check valves on each inlet supply.



FLOW RATES  
VERNATHERM MIXING  
VALVE WITH  
STOP-STRAINER-CHECKS  
ON INLETS AND EQUAL  
INLET PRESSURES.

#### Hot Water Usage

Figure shows the percent of hot water at various temperatures used in mixing with cold water at 40°, 60°, and 80°F to obtain outlet water at 105°F.



Bradley Vernatherm;  
Factory preset at 103°F.

Percent Hot Water at various inlet temperatures which is automatically mixed with Cold Water at 40°, 60° and 80°F.

Examples: With inlet water at 150°F Hot and 60°F Cold delivering outlet at 103°F, Hot Water is 52.2% of total flow, Cold Water is 47.8% of total flow.

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