

# ACORN® CONTROLS

## HI-LO MASTER MIXING VALVES

### MODEL MV17

### FOUR SIZES AVAILABLE

USED IN RESIDENTIAL, COMMERCIAL, INSTITUTIONAL,  
AND INDUSTRIAL APPLICATIONS.

### FEATURES:

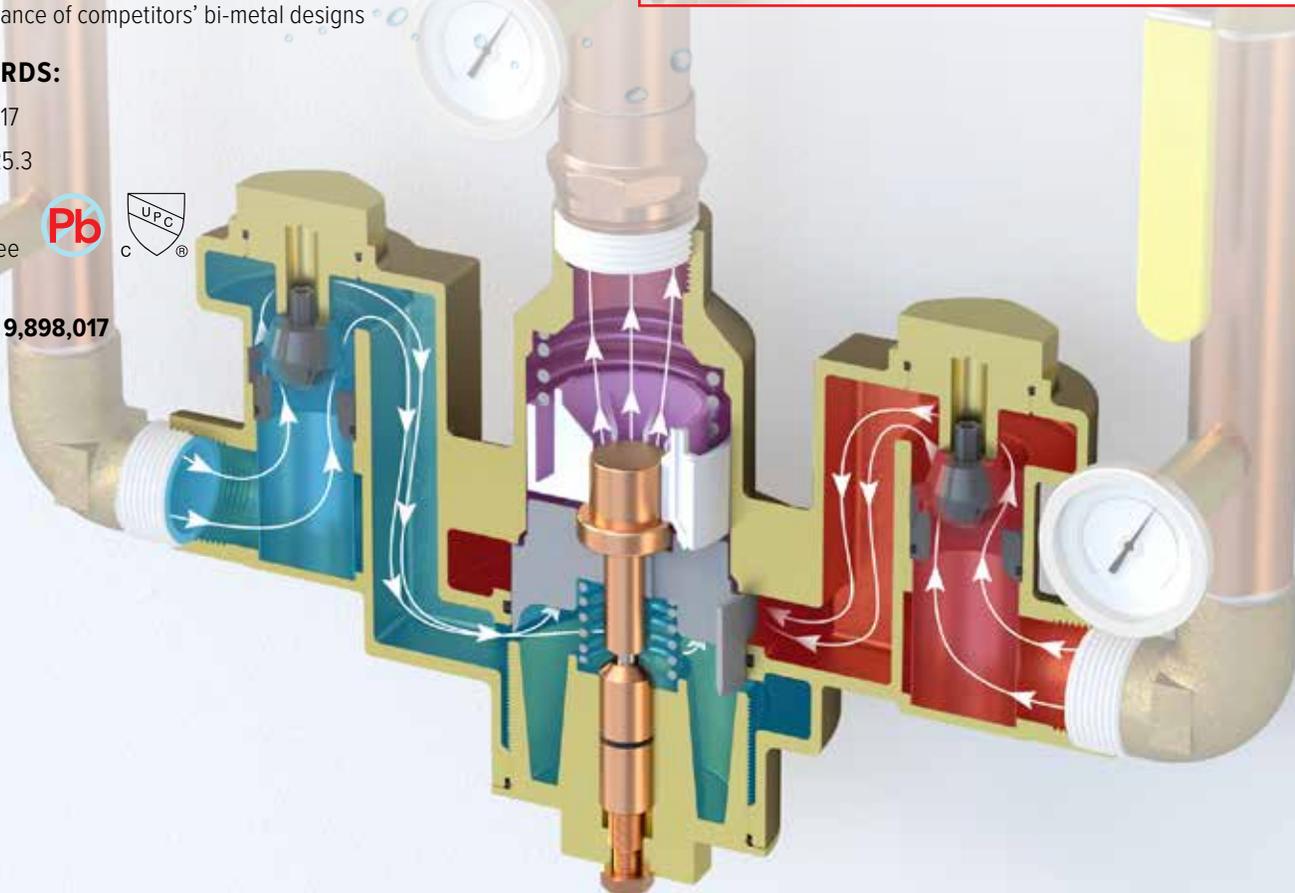
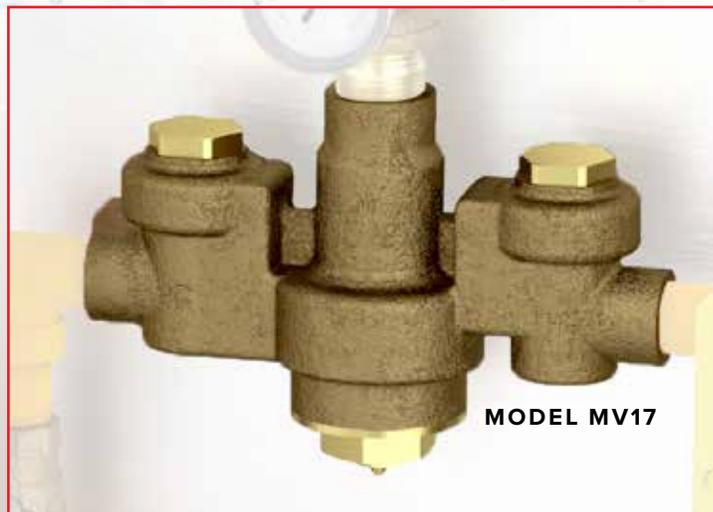
- » Mixes hot water from heater with cold water to appropriate temperature for distribution system
- » Ideal for looped systems
- » Operates at a lower flow rate than competitors—minimum 0.1 GPM
- » Brass and paraffin wax design eliminates unreliable and inconsistent performance of competitors' bi-metal designs

### STANDARDS:

- » ASSE 1017
- » CSA B125.3
- » UPC
- » Lead Free



Patent No. 9,898,017



# HI-LO MASTER MIXING VALVES

MODEL NO. MV17

MV17 is intended for use in Hot Water Distribution Systems.

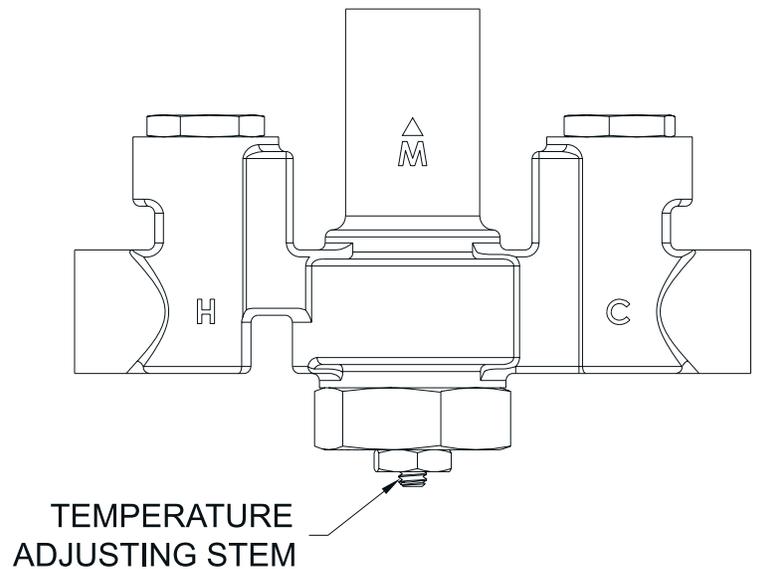
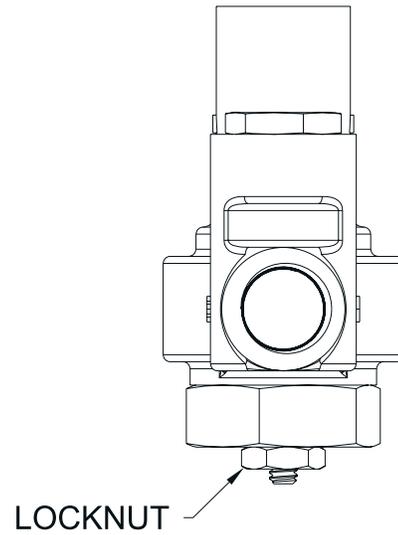
## FEATURES

- » Lead Free DZR Brass (chrome-plated brass optional) with corrosion-resistant internal components.
- » IAPMO certified minimum flows as low as 0.5 gpm far exceeds the requirements set forth in ASSE 1017.
- » All valves provide Hi-Lo performance equal or superior to other manufacturers' Hi-Lo valves.
- » Paraffin wax design ensures reliable performance
- » 100% tested for porosity and cross flow
- » All valves include ball valve shut-off – a proven, standard method for shut-off which does not trap debris and eliminates the need for additional shut-off valves.
- » Integral strainers are accessible for cleaning.
- » Reliable integral cartridge style checks.
- » 5 available models ensure the appropriate size for your application.
- » Connections: 1/2" to 2" NPT
- » Allen wrench setpoint adjustment and lock nut resists unauthorized setpoint changes.
- » The MV17 is capable of exceeding the temperature control accuracy requirements of ASSE 1017 at zero draw, i.e. user demand. The system must include a continuously operating recirculation pump capable of meeting the minimum flow rate of .5 to 4 GPM (based on the model) with a properly adjusted balancing valve. See our MV17 submittal sheet for more information.

## STANDARDS

- » Far exceeds ASSE 1017 requirement
- » cUPC 
- » Lead Free
- » CSA B125.3
- » Patent No. 9,898,017

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



ATTRIBUTE	VALUE
<b>Flow Rate</b>	Up to 225 GPM @ 45 psid
<b>Temperature Adjustment Range</b>	100 to 160°F
<b>Minimum Hot Water Temperature Required</b>	5°F above setpoint
<b>Maximum Hot Water Temperature</b>	180°F
<b>Maximum Supply Pressure</b>	125 psi
<b>IAPMO certified Minimum flow Rate, per ASSE 1017</b>	MV17-1: 0.5 GPM MV17-2: 1 GPM MV17-3: 2 GPM MV17-4: 3 GPM MV17-5: 4 GPM



**STREET ADDRESS**  
15125 PROCTOR AVENUE  
CITY OF INDUSTRY, CA 91746

**MAILING ADDRESS**  
P.O. BOX 3527  
CITY OF INDUSTRY, CA 91744

**PHONE:** (626) 336-4561  
**E-MAIL:** [CUSTSERV@ACORN-CONTROLS.COM](mailto:CUSTSERV@ACORN-CONTROLS.COM)  
**WEBSITE:** [ACORN-CONTROLS.COM](http://ACORN-CONTROLS.COM)

L1001677 | 0325