



# Why Acorn Controls®?

## Latest Technology built into the Thermostatic Mixing Valve

1. Paraffin thermal actuator is provided standard for repeatable, reliable performance.
2. Can be mounted in any direction without issue.
3. Integral checks and screens prevent backflow conditions and debris from entering the system.
4. Tamper-resistant temperature adjustment.
5. Valves are 100% tested and preset from the factory.
6. All products are low-lead compliant.
7. Available with vandal-resistant ball valves.



## Why Acorn Controls® BASyC® Digital Mixing/Monitoring System?

### Latest Technology built into a Mixing Valve.

- » **Power Outage** - The unit continues control temperature, (without batteries) unlike the competition that fails fully cold. Client will still have hot water and no risk of thermal shock.
- » **Non-proprietary electronics** - Easily interfaces & communicates with their building management systems with any protocol they select.
- » **Upgradable** - Electronics can be added to analog/non-digital systems without replumbing or replacing.
- » **Redundant** - BASyC system will maintain temperature control during a valve, actuator and/or sensor failure.
- » **Sanitization** - Offered with safe start features to increase safety and avoiding potential problems.
- » **Scalable** - Suitable for up to four valves with one digital controller. These can be split into two temperature loops like LTHW & HTHW or LTHW & Tepid water for Emergency fixtures.
- » **Pump Integration** - Can be ordered with or without recirculation pump(s) that BASyC system can control. Also offered with lead/lag and back-up pump control.



## Why Acorn Controls® Pressure Regulating Valve?

### Latest Technology built into a Pressure Regulating Valves

- » Reduces pressure from incoming water line to an acceptable level.
- » Used to protect plumbing system components and save water.
- » Capable of handling higher pressures than competitors, eliminating the need to install a row of valves.



Click on or tap the product image to access the complete submittal.



### POINT OF USE FAUCETS/SHOWERS

#### MODEL STP7069

The Alpha® lavatory tempering valve shall be independent lab certified to ASSE 1069, ASSE 1070 and CSA B125.3 at 0.25 GPM.

It shall have a Noryl body and bonnet along with corrosion-resistant internal components. It shall include integral checks with screens to prevent backflow and to filter debris from entering the valve. Temperature adjustment shall be made using an Allen wrench and a locknut prevents unauthorized or accidental temperature adjustment. Valve shall provide 4.5 GPM (17 LPM) capacity at 45 PSI (310 kPa) differential.



### BUILDING TMV UP TO 24GPM

#### MODEL NO. ST7017

The Omega® Thermostatic Mixing Valve shall be independent lab certified per ASSE 1070, ASSE 1017 and CSA B125.3 at 0.25 GPM. It shall have a Lead-Free Brass Body and Bonnet along with corrosion-resistant internal components. It shall include Integral Checks with Screens to prevent backflow and to filter debris from entering the Valve. Temperature adjustment shall be made using an Allen wrench and a Locknut on the Bonnet to prevent unauthorized or accidental temperature adjustment. Valve shall provide 24 GPM (91 LPM) at 45 psi (310 kPa) differential.



### EMERGENCY TEMPERING VALVE

#### MODEL NO. ET71

Valve shall be independent lab certified to ASSE 1071 and CSA standards. The valve shall contain an advanced paraffin sensor with a temperature range of 65 to 95°F and is factory set to 85°F and includes a locknut to prevent unauthorized temperature changes. Checks and screens must be integral to the valve. Optional isolation valves shall be a lockable, full-port, ball valve design. Body material shall be "lead-free" with internal corrosion resistant components. Valve can be ordered with digital Acorn Controls and shall be model ET71-(1, 2, 3 or 4).



### THERMOSTATIC ZONE VALVES

#### MODEL NO. TZV SERIES

Balances zones, automatically adjusting zone flow based on temperature (not flow or pressure). No adjustments needed even when seasons change and incoming water temperature changes. Big savings for your client. Gives facilities more flexibility without repiping or reordering.



### MULTI-VALVE SUPPLY

#### IAPMO CERTIFIED FLOW RATES STANDARD WITH ASSEMBLY MODEL NO. SFMMV SERIES

Thermostatic Master Mixing Valves. The valves and assembly are lead-free and comply with ASSE 1017. These valves are for use without recirculating pumps where the minimum flow is met by few fixtures, or they can be used with recirculating systems where demand varies widely. System shall be capable of being upgraded to digital control without repiping or replacing valves.



### LAVATORY TEMPERING VALVE

#### MODEL NO. ST70-38

The ST70 is a lead-free thermostatic mixing valve for commercial sinks and lavatories. This valve can be used with any type of faucet and can accommodate up to 8 hand washing stations having a 0.5 gallon (1.89 liter) per minute flow rate. The valve is in accordance with ASSE 1070 as certified by IAPMO. ST70-38 has a certified minimum flow rate of 0.25 gallon (0.95 liter) per minute flow rate, a brass body and a 3/8" compression connection.



### COMMAND STATION® WITH MV17 MASTER MIXING VALVE

#### MODEL NO. CSMV SERIES

The Command Station is a self-contained tempering and recirculating system. Every system is factory assembled to a welded heavy-duty mounting frame for simplified installation. Acorn ConTrols® Command Stations use MV17 or ET71 valve(s) and reduce the potential for improper piping, missed connections and/or failing to include key system control components. System is also capable of being upgraded to digital control without repiping or replacing valves.



### BRASS BODY MASTER MIXING VALVE

#### MODEL NO. MV17 SERIES

The MV17 Series is 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. It's 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 MV17 series is offered in 5 models/sizes ranging from 15 GPM to 225 GPM.



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