

ASSE 1017 Point of Source Mixing Valves

MVA (34A) Series/MVAH Hydronic Series



The Apollo MVA thermostatic master mixing valves are designed for ASSE 1017 “point of source” applications. They provide reliable hot water temperature control of potable and hydronic hot water distribution systems.

FEATURES

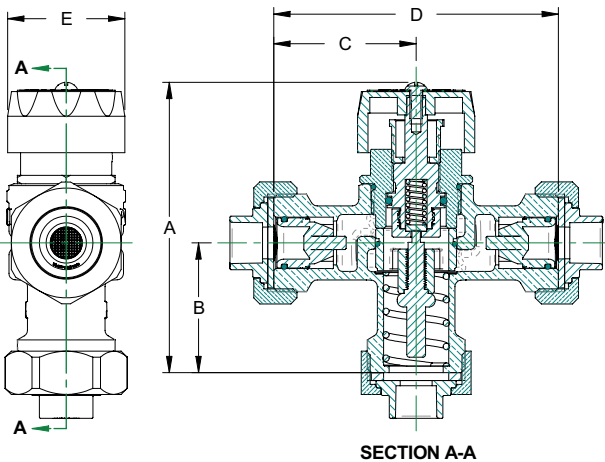
- Superior thermostatic element technology for optimal performance, reliability and accuracy
- Integral inlet strainers and check valves are standard to protect against cross-flow and foreign particles in the piping system
- Thermostat over-temperature control
- Maximum temperature limit option
- Fingertip temperature control
- Cold or hot water supply failure shut-off protection
- Multiple connection options to fit your specific needs
- High temperature version for hydronic/radiant heating applications
- Standard materials of construction meet the requirements of the EPA Safe Drinking Water Act
- Lead free option available - specify model 34ALF
- **Made in USA - ARRA compliant**

APPROVALS

- ASSE 1017 - Temperature Actuated Mixing Valve for Hot Water Distribution Systems
- CSA B125.3 - Plumbing Supply Fittings

PERFORMANCE RATING

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|--|-------------------------|
| • Maximum working pressure | 150 psig (1034 kPa) |
| • Maximum working temperature | 210°F (99°C) |
| • Cold water inlet temperature range | 39-80°F (4 - 27°C) |
| • Hot water inlet temperature range | 120 - 200°F (49 - 82°C) |
| • Minimum flow rate | 1/2 gpm (1.9 lpm) |
| • Mixed water temperature range | 130 - 180°F (54 - 82°C) |
| • Mixed water temperature tolerance | ±5°F (1.7°C) |
| • Cv rating | 3.9 |
| • Flow rate at 30 psid(138kPa) | 19 gpm (64 lpm) |
| • Maximum pressure differential between hot & cold | 25% |



OPTIONS

Max Temperature Adjustment Setting (B suffix)

Preset to 120°F maximum temperature

High Temp Range (H) Radiant Heat Application

120°F-180°F (Not ASSE Certified)

See 34A-H submittal sheet

Lead Free construction certified 0.25% lead max.

Model 34ALF

MATERIAL

- Body: ASTM B584 Bronze
 Shuttle: Noryl® Modified PPO (Polyphenylene Oxide)
 Sensor: Copper/Wax filled
 O-ring: Chloramine Resistant EPDM
 Spring: ASTM A313 Stainless Steel
 Cap: ABS (Acrylonitrile Butadiene Styrene)