



AngleMix™

ANGLE BODY THERMOSTATIC MIXING VALVE
520 SERIES

CALEFFI
Hydronic Solutions



PRODUCT FEATURES

- **Simplified installation:**
Reduces installation labor and materials because the hot inlet port is in-line with mixed outlet port, eliminating a piping elbow compared to a standard mixing valve.
- **DZR low-lead brass construction:**
Dezincification resistant brass body for long life and anti-scale polymer cartridge to inhibit scaling on internal sliding surfaces.
- **Accurate low flow:**
0.5 GPM minimum flow for stable control of today's high efficiency, low-flow fixtures.
- **Temperature gauge included:**
Local temperature indication. Convenient drywell design.
- **Tight close-off inlets:**
Eliminates "temperature creep" in domestic water recirculation systems.
- **Locking adjustment knob:**
Prevents unauthorized temperature adjustment.

Exclusive angle-style body simplifies installation

The AngleMix™ is the industry's only ASSE 1070 thermostatic mixing valve with an angle-style body. This configuration minimizes the use of elbow fittings for reduced installation time and cost. The AngleMix delivers precise mixed temperature stability as low as 0.5 GPM for today's high efficiency fixtures. In domestic recirculation systems, the tight inlet close-off performance prevents temperature creep without the need for return water balancing valve(s). Valves that include check valves are compliant to both ASSE 1017 and ASSE 1070 performance standards. [Complies with standards ASSE 1017, CSA B125.3, NSF/ANSI/CAN 372 and codes IPC, IRC, UPC, NPC, certified by ICC-ES. AngleMix™ DL also complies with ASSE 1070/ASME A112.1070, CSA B125.70, CSA B125.3.](#)

PRODUCT RANGE - AngleMix™ Thermostatic Mixing Valve



| SIZES | INLET CHECK VALVES | CODE | | |
|-------|--------------------|-----------|-----------|-----------|
| | | SWEAT | PRESS | NPT MALE |
| 1/2" | -- | 520419A | 520416A | 520410A |
| | ✓ | 520419AC* | 520416AC* | 520410AC* |
| 3/4" | -- | 520519A | 520516A | 520510A |
| | ✓ | 520519AC* | 520516AC* | 520510AC* |
| 1" | -- | 520619A | 520616A | 520610A |
| | ✓ | 520619AC* | 520616AC* | 520610AC* |

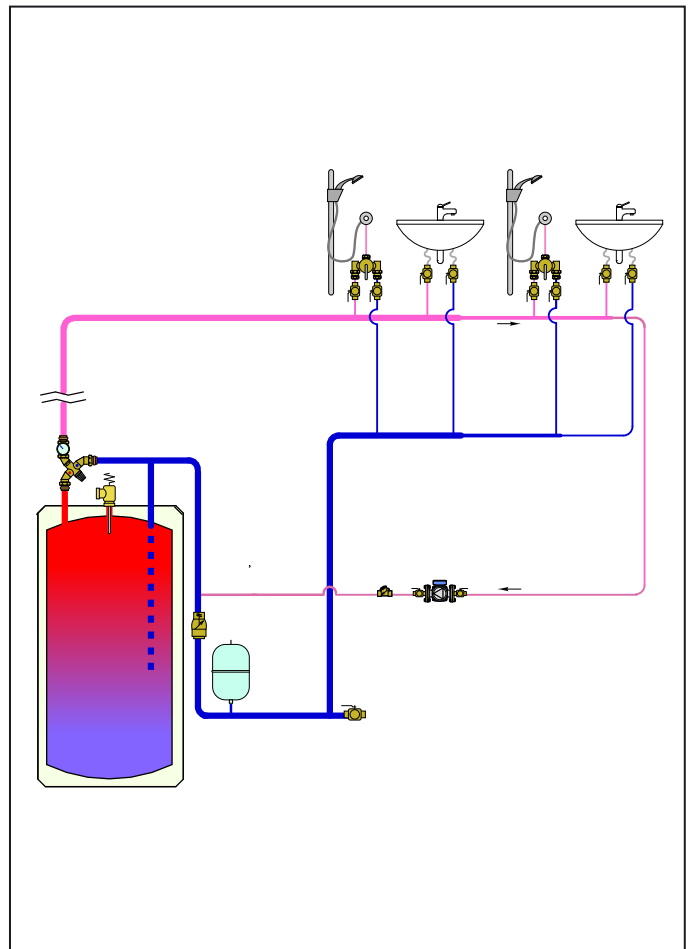


BODY ONLY 520051A (1/2", 3/4") AND 520061A (1") ALSO AVAILABLE. SEE CALEFFI PLUMBING AND HYDRONICS CATALOG FOR FITTINGS.
 *ASSE 1017 Compliant
 ASSE 1070 Compliant
 NSF/ANSI/CAN 372 Compliant
 Certified and Listed by ICC-ES

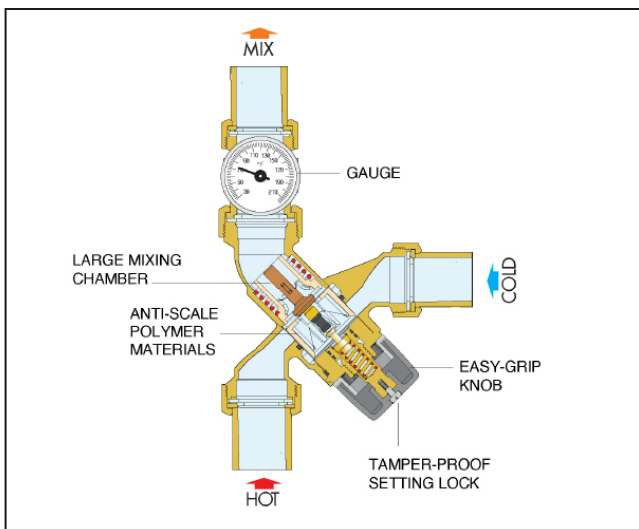
PERFORMANCE

| | |
|----------------------------------|--------------------------|
| MAX. WORKING PRESSURE | 150 psi (10 bar) |
| SETTING TEMPERATURE RANGE | 95° — 150°F (35° — 65°C) |
| ACCURACY | ±3°F (±2°C) |
| CV | 2.0 |
| MAX. HOT WATER INLET TEMP. | 195°F (90°C) |
| MIN. FLOW FOR STABLE PERFORMANCE | 0.5 GPM (2 l/min) |

APPLICATION DIAGRAM



CARTRIDGE REMOVAL



Caleffi Partner:

WE RESERVE THE RIGHT TO CHANGE OUR PRODUCTS AND THEIR RELEVANT TECHNICAL DATA, CONTAINED IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.



Caleffi North America, Inc.
 sales@caleffi.com · www.caleffi.com
 © Copyright 2024 Caleffi North America, Inc.