



MixCal™ THERMOSTATIC MIXING VALVE

CALEFFI
Hydronic Solutions



Plumbing

Protecting the system to protect your water



PRODUCT FEATURES

■ Large mixing chamber and thermostatic cartridge:

Enables precise mixed temperature stability during inlet temperature and pressure variations.

■ Anti-scale polymer materials:

Inhibits scaling on internal sliding surfaces, assuring stable temperature control and long life.

■ Peroxide-cured EPDM seals:

Stands up to treated water, chlorine or chloramines.

■ Installation flexibility:

½" - 1" sweat, NPT, Press, PEX crimp and PEX expansion union connections. Check valves and temperature gauge optional.

■ Tamper-proof adjustment setting lock:

Prevents tampering of the mixed water temperature setpoint.

■ Precisely manufactured:

Finely machined threads and double o-rings for smooth knob adjustment.

Stable mixed temperature performance with durable construction for long life

Due to the unique mixing chamber design, Caleffi MixCal™ produces very stable mixed water temperature as inlet temperatures and pressures vary. Scale formation is minimized via sliding surfaces constructed of an anti-scale polymer, thus guarding against seizing or erratic mixed temperatures. O-ring seals made from durable peroxide-cured EPDM resist wear from common water treatment additives such as chlorine and chloramines.

PRODUCT RANGE - MixCal™



SIZES	OUTLET DUAL-SCALE TEMP GAUGE	CODE				
		NPT	SWEAT	PRESS	PEX Crimp(1)	PEX Expansion(2)
1/2"	--	521400A(C)	521409A(C)	521406A(C)	521407A(C)	521408A(C)
	√	521410A(C)	521419A(C)	521416A(C)	521417A(C)	521418A(C)
3/4"	--	521500A(C)	521509A(C)	521506A(C)	521507A(C)	521508A(C)
	√	521510A(C)	521519A(C)	521516A(C)	521517A(C)	521518A(C)
1"	--	521600A(C)	521609A(C)	521606A(C)	521607A(C)	521608A(C)
	√	521610A(C)	521619A(C)	521616A(C)	521617A(C)	521618A(C)



(C) with inlet port check valves.

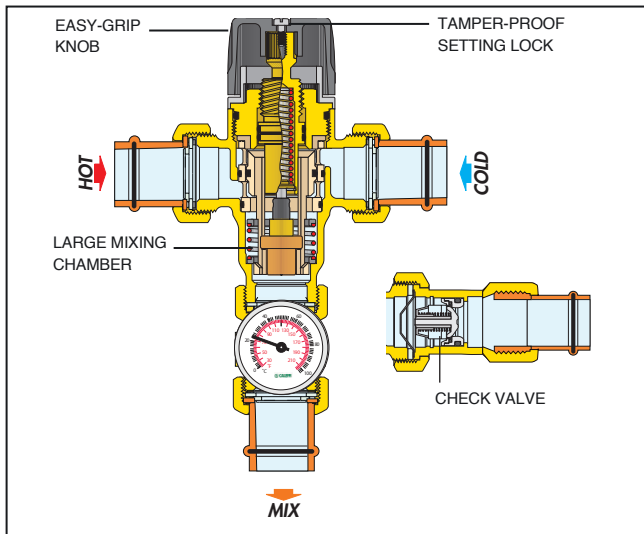
- (1) Complies with ASTM F 1807.
- (2) Complies with ASTM F 1960.

NSF/ANSI 372

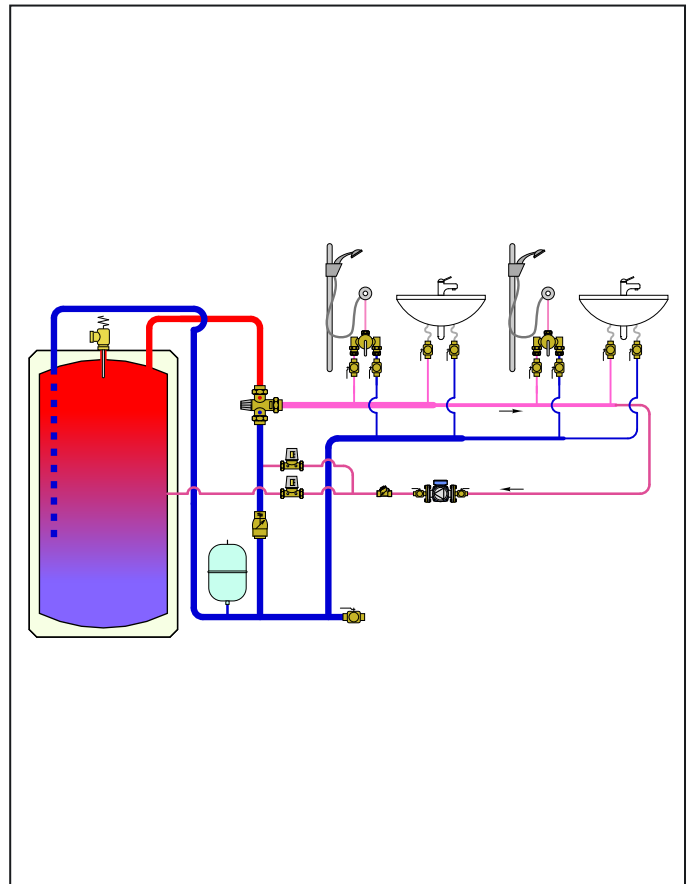
PERFORMANCE

MAX. WORKING PRESSURE	200 psi (14 bar)
SETTING TEMPERATURE RANGE	85 — 150°F (30-65°C)
TOLERANCE	±3°F (±2°C)
MAX. HOT WATER INLET TEMP.	200°F (93°C)
MIN. FLOW FOR STABLE PERFORMANCE	1.0 GPM (4 L/min)

CONSTRUCTION



APPLICATION DIAGRAM



Caleffi Partner:



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