



CSI: DIVISION: 22 00 00—PLUMBING
Section: 22 09 00—Instrumentation and Control for Plumbing

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Temperature Actuated Mixing Valves for Hot Water Distribution Systems

Listee: CALEFFI North America, Inc.
3883 W. Milwaukee Road
Milwaukee, WI 53208
www.caleffi.us

Compliance with the following codes:

2021, 2018, 2015, 2012 and 2009 *International Plumbing Code*® (IPC)
2021, 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)
2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)*
2020, 2015, 2010 and 2005 *National Plumbing Code of Canada*® (NPC)**

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Compliance with the following standards:

ASSE 1017-2009, Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems
CSA B125.3-2012, Plumbing Fittings

Identification:

Each device shall have the following information marked on it and all markings shall be visible after installation:

- The manufacturer's recognized name, trademark, or other mark; or
- Model number
- Hot and cold indications on inlets.
- The ICC-ES PMG listing mark

Markings shall be accomplished by use of a permanent mark or by placing a permanent label on the product. Markings shall be located in such a way that they are visible after installation.

Packaging shall be marked with:

- a) The manufacturer's recognized name, trademark, or other mark as well as the model number; or
- b) In the case of private labeling, the name, trademark, or other mark of the customer for whom the fitting was manufactured as well as the model number.
- c) The manufacturer's specified maximum flow rate determined; and
- d) The statement "For use with automatic compensating valves rated at xxx L/min (yyy gpm) or less", where xxx L/min (yyy gpm) is the lowest minimum flow rate recorded.

Installation:

Plumbing Supply fittings shall be installed in accordance with the manufacturer's instructions and the applicable codes.

Models:

Model No.	Description
520410A	½" NPT male union, gauge
520410AC	½" NPT male union, gauge, checks
520416A	½" Press union, gauge
520419A	½" sweat union, gauge
520419AC	½" sweat union, gauge, checks
520510A	¾" NPT male union, gauge
520510AC	¾" NPT male union, gauge, checks
520051A	Thermostatic Mixing Valve body only, 1" union connections
520509AX	Assembly with 3/4" FNPT tank connections, hose, cross, sweat system connections
520519AX	Assembly with 3/4" FNPT tank connections, hose, cross, sweat system connections, gauge
520500AX	Assembly with 3/4" FNPT tank connections, hose, cross, MNPT system connections
520510AX	Assembly with 3/4" FNPT tank connections, hose, cross, MNPT system connections, gauge
520506AX	Assembly with 3/4" FNPT tank connections, hose, cross, press system connections
520516AX	Assembly with 3/4" FNPT tank connections, hose, cross, press system connections, gauge
520516A	3/4" press
520516AC	3/4" press, check
520519A	3/4" sweat
520519AC	3/4" sweat, check
520061A	1" angle, body only
520610A	1" angle, NPT male union, gauge
520610AC	1" angle, NPT male union, gauge, checks
520616A	1" angle, press union, gauge
520616AC	1" angle, press union, gauge, checks
520619A	1" angle, sweat union, gauge
520619AC	1" angle, sweat union, gauge, checks
521400AC	1/2" PT w/checks
521409AC	1/2" Sweat w/checks
521419AC	1/2" Sweat w/temp probe and checks
521406AC	3-way thermostatic mixing valve, 1/2" press union, check valves
521416AC	3-way thermostatic mixing valve, 1/2" press union, check valves, gauge
520406AC	3-way thermostatic Angle body mixing valve, 1/2" press union, check valves
520416AC	3-way thermostatic Angle body mixing valve, 1/2" press union, check valves, gauge

521500AC	3/4" NPT w/checks
521509AC	3/4" Sweat w/checks
521519AC	3/4" Sweat w/temp probe and checks
521600AC	1" NPT w/checks
521609AC	1" Sweat w/checks
521619AC	1" Sweat w/temp probe and checks
252148A	1/2" Sweat, w/temp probe, checks, solar version
252149A	1/2" Sweat w/checks, solar version
252158A	3/4" Sweat, w/temp probe, checks, solar version
252159A	3/4" Sweat w/checks, solar version
252168A	1" Sweat, w/temp probe, checks, solar version
252169A	1" Sweat w/checks, solar version
521400A	1/2" NPT
521409A	1/2" Sweat
521419A	1/2" Sweat w/temp probe
521500A	3/4" NPT
521509A	3/4" Sweat
521519A	3/4" Sweat w/temp probe
521600A	1" NPT
521609A	1" Sweat
521619A	1" Sweat w/temp probe
523160A	1" NPT
523166A	1" press
523168A	1" Sweat
523170A	1-1/4" NPT
523176A	1-1/4" press
523177A	1-1/4" Sweat w/Temp
523178A	1-1/4" Sweat
523180A	1-1/2" Union Thread NPT Male
523186A	1-1/2" press
523188A	1-1/2" Union Sweat
523190A	2" Union Thread NPT Male
523196A	2" press
523198A	2" Union Sweat
521406A	1/2" press
521416A	1/2" press with gauge
521506A	3/4" press
521516A	3/4" press with gauge
521506AC	3/4" press with checks
521516AC	3/4" press with checks, gauge
521606A	1" press
521616A	1" press with gauge
521408A	1/2" PEX expansion*
521408AC	1/2" PEX expansion*, checks
521418A	1/2" PEX expansion*, gauge
521418AC	1/2" PEX expansion*, gauge, checks
521508A	3/4" PEX expansion*

521508AC	3/4" PEX expansion*, checks
521518A	3/4" PEX expansion*, gauge
521518AC	3/4" PEX expansion*, gauge, checks
521608A	1" PEX expansion*
521608AC	1" PEX expansion*, checks
521618A	1" PEX expansion*, gauge
521618AC	1" PEX expansion*, gauge, checks
521606AC	1" press union, check valves
521616AC	1" press union, check valves, gauge

Legiomix® electronic mixing valve*

600054A	3/4" NPT male, electronic mixing valve w/controller
600059A	3/4" sweat, electronic mixing valve w/controller
600056A	3/4" press, electronic mixing valve w/controller
600064A	1" MNPT electronic mixing valve w/controller
600066A	1" press electronic mixing valve w/controller
600069A	1" sweat electronic mixing valve w/controller
600074A	1-1/4" MNPT electronic mixing valve w/controller
600076A	1-1/4" press electronic mixing valve w/controller
600084A	1-1/2" MNPT electronic mixing valve w/controller
600086A	1-1/2" press electronic mixing valve w/controller
600089A	1-1/2" sweat electronic mixing valve w/controller
600094A	2" MNPT electronic mixing valve w/controller
600096A	2" press electronic mixing valve w/controller
600079A	1-1/4" sweat electronic mixing valve w/controller
600099A	2" sweat electronic mixing valve w/controller
600060A	2-1/2", ANSI Flange electronic mixing valve w/controller
600080A	3", ANSI Flange electronic mixing valve w/controller
600064A 001	1" NPT male union, 3/4" body
600069A 001	1" sweat union, 3/4" body
600066A 001	1" press union, 3/4" body

*Legiomix® electronic mixing valve comply with the applicable requirement in CSA Z317.1

Conditions of listing:

1. The CALEFFI's products recognized in this listing must be installed in accordance with the manufacturer's published installation instructions and the applicable codes.
2. The CALEFFI's products recognized in this listing are manufactured under a quality control program with annual surveillance inspections by ICC-ES.