

# Thermostatic Mixing Valves





### **Water delivered at a safe temperature every time.**

Chicago Faucets thermostatic mixing valves are designed to accompany the installation of any of our electronic or manual faucets and deliver water at a safe, consistent temperature. With bodies that are built to last as long as our faucets and the latest in thermostatic technology, our mixing valves will provide additional protection and years of trouble-free operation. We offer seven valves to meet installation and local code requirements.



### **Higher water temperature helps reduce the risk of bacteria.**

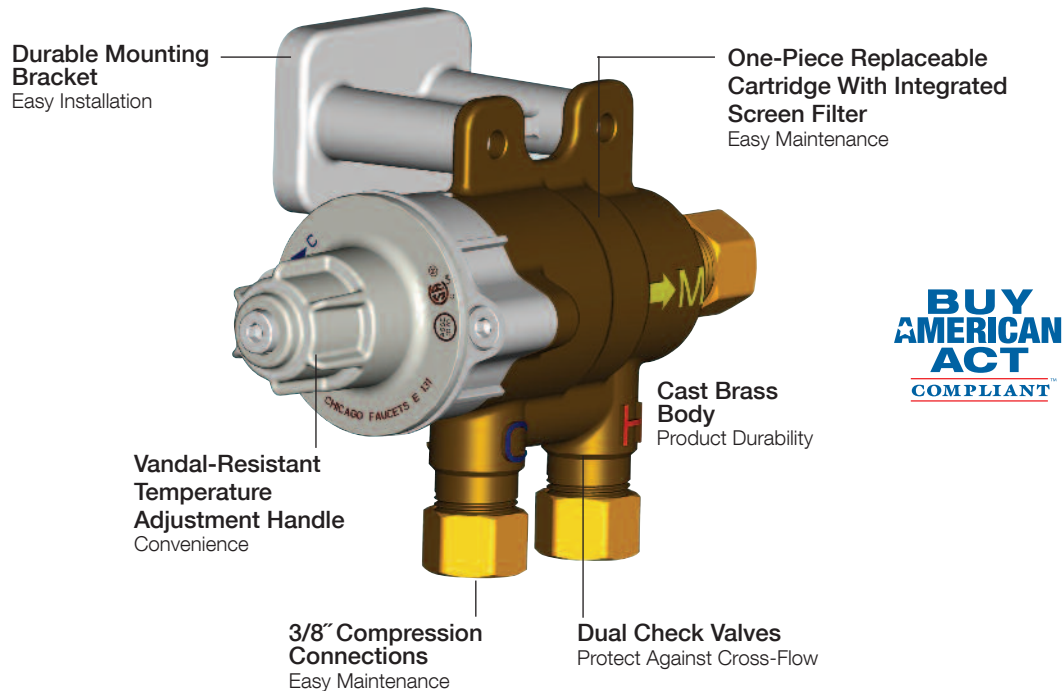
In order to minimize the spread of bacteria in a hot water system, it is recommended that the temperature be maintained at 140°F or higher. While it is believed that this will help prevent the growth of dangerous bacteria, it can also increase the risk of scalding.



### **Deliver water at a safe temperature to reduce the risk of scalding.**

With hot water storage temperatures set at a level to reduce the growth of Legionella, the risk of injury from scalding is increased. Chicago Faucets thermostatic mixing valves allow you to determine the water temperature at the point of delivery. An easy-to-use adjustment on any Chicago Faucets mixing valve lets you pre-mix hot and cold water, lowering the temperature and reducing the risk of scalding.

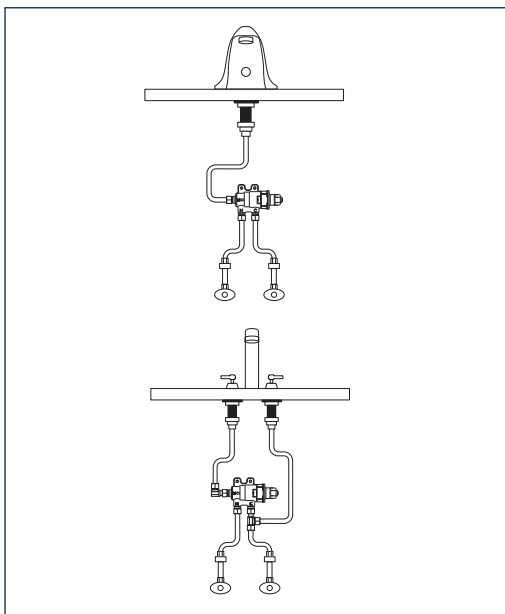
## The New 131 Series Mixing Valve



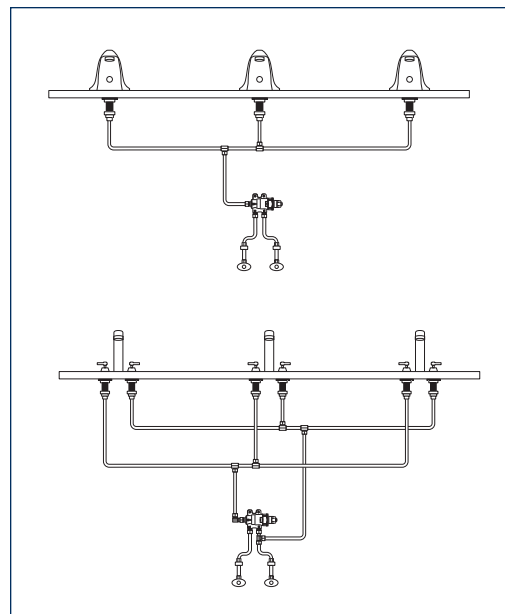
### A versatile and expandable solution to tempered water.

The 131 Series Mixing Valve features a versatile design that allows it to be easily installed with our electronic faucets as well as our manual faucets. With a flow rate of up to 6.6 GPM, it allows you to expand the delivery of tempered water to multiple faucets with just a single 131 valve.

Single or Dual Supply Installations - One Faucet



Single or Dual Supply Installations - Multiple Faucets



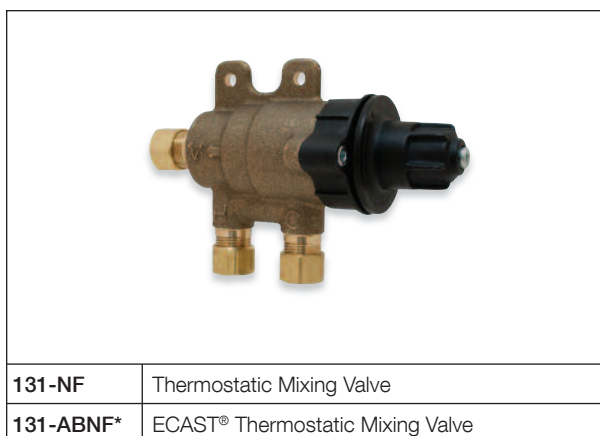
## The 131 Series

Chicago Faucets 131 Series mixing valves provide a versatile solution to providing tempered water to our sensor and manual faucets. The 6.6 GPM flow rate is nearly 3 times greater than comparable models, allowing you to use a single valve for multiple faucet installations.

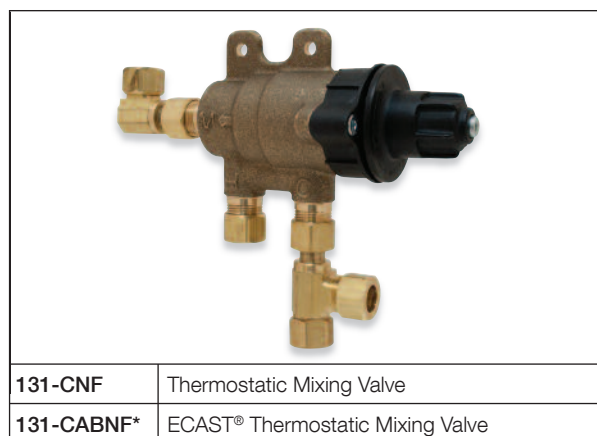
- Standard 3/8" compression inlet and outlet
- Integral inlet check valves to protect against cross-flow
- Adjustment cap with locking feature
- Brass body construction
- Corrosion resistant internal components
- Includes wall bracket
- Thermostatic wax element design
- Thermostat controls both hot and cold water
- Up to 6.6 GPM flow rate for single or multiple faucet installations
- Certified to ASSE 1070 standards



3-Port for Single Supply Installations



4-Port for Single Supply Installations



## Built to be as durable and versatile as our faucets.

Our new 131 Series provides a dependable, durable, and long-lasting tempered water solution for your facility.

### 131-ABNF Mixing Valve Features and Benefits

Feature	Benefit
6.6 GPM flow rate	Higher flow rate allows for use with more than one faucet per valve
Integral cartridge filter screen	Easy accessibility for cleaning – no need to disconnect supplies to clean screen filters
Wall bracket	Aligns and secures valve to wall for proper orientation, eliminates dangling valves
3- and 4-port models available	Allows for flexibility in installations based on individual needs
Superior thermostatic element	Proven reliability for thermostatic applications
Self contained cartridge	Allows for easy maintenance and replacement
Cast brass body & complementary components	Manufactured domestically at our factory, allows us to maintain stringent quality control
Chloramine-resistant internal components	Resists internal component deterioration when chlorinated water is present in supply lines
NSF compliant valve	Both models, including the lead-free valve, meet NSF water quality standards

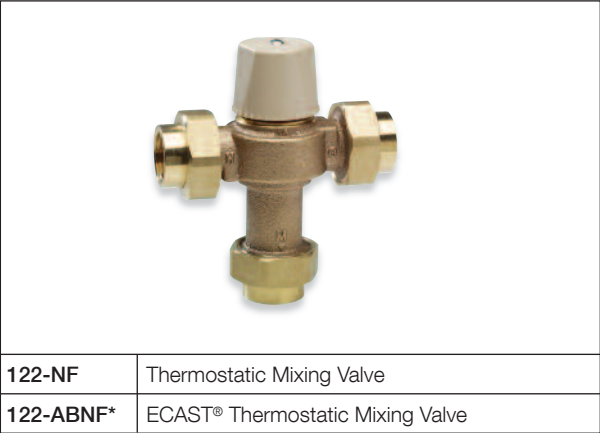
\*131-ABNF and 131-CABNF are compliant to California Health and Safety Code 11875 (AB 1953-2006) and Vermont Bill S.152.

# The 122 Series

Our 122-NF mixing valve provides up to a 12 GPM flow rate for hot water source applications (ASSE 1017), end use fixture fittings (ASSE 1069), and for single or multiple faucet applications (ASSE 1070).

- Standard 1/2" NPT threaded inlet and outlet union connections
  - Integral inlet check valves to protect against cross-flow
  - Adjustment cap with locking feature
  - Bronze body construction
  - Double throttling design to control both hot and cold water supply to the mixed outlet
- Corrosion resistant internal components
  - Solid wax hydraulic principle thermostat
  - Thermostat controls both hot and cold water
  - Installs between the stop valves and faucet
  - Inlet filter washers to filter out debris
  - Up to 12 GPM flow rate for single or multiple faucet installations
  - Certified to ASSE 1017, 1069, and 1070 standards **ECAST**

3-Port



## ASSE Code Overview

### ASSE 1017 Temperature Actuated Mixing Valves for Hot Water Distribution Systems

Does not address final temperature control at fixtures and appliances. It is concerned with valves used at the source of hot water for distribution to the supply system, and therefore allows wider variation of the outlet temperature at higher flow rates.

ASSE 1017 listed devices should never be used to deliver water directly to the user. These valves should be used in combination with an ASSE 1016 and/or ASSE 1070 listed device.

### ASSE 1069 Automatic Temperature Control Mixing Valves

Developed for applications that include but are not limited to gang showers and sitz baths, by supplying water at a preset temperature through a single pipe supply. Mixing water downstream of an ASSE 1069 device is not allowed.

### ASSE 1070 Water Temperature Limiting Devices

Recently approved and the newest of the three standards. It covers control of maximum temperature to a fixture or group of fixtures such as sinks, lavatories, or bathtubs. The device may either be the final temperature regulation or have water further tempered downstream with the addition of cold water.

For more information, please check the ASSE website at: [www.ASSE-plumbing.org](http://www.ASSE-plumbing.org).

\*122-ABNF is compliant to California Health and Safety Code 11875 (AB 1953-2006) and Vermont Bill S.152.

Chicago Faucets, a member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports, and sports facilities. Whatever your requirements may be, Chicago Faucets offers standard and made-to-order products that are designed to meet any commercial application.

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