

The First Ever Thermostatic Temperature Controlled Heater With Code Compliant Integrated Mixing Valve

AccuMix Series



Stay Ahead of Plumbing Codes with AccuMix from Eemax

Confused by plumbing codes? Over time, plumbing codes have changed and what may have worked before, might not work with new water heaters on the market. Simply buying a mixing valve and plumbing it into an existing water heater doesn't always meet the latest codes.

Knowing the Code

Designated as an American National Standard, the Uniform Plumbing Code (UPC) is a model code developed by the International Association of Plumbing and Mechanical Officials (IAPMO). It governs the installation and inspection of plumbing systems as a means of promoting the public's health, safety, and welfare. The UPC is designed to provide consumers with safe and sanitary plumbing systems while, at the same time, allowing latitude for innovation and new technologies.

ASSE 1070-2004 is a standard that applies to mechanical mixing valves to ensure that they comply with UPC 413.1. It states: *"Water Temperature Limiting Devices shall control & limit the water temperature to fittings for sinks, lavatories, or bathtubs and are intended to reduce the risk of scalding. They are intended to supply tempered water to plumbing fixture fittings, or be integral with plumbing fixture fittings supplying tempered water. The device shall be equipped with an adjustable and lockable means to limit the setting towards the hot position."*



Section 413.1 of the Uniform Plumbing Code is entitled "Limitation of Hot Water Temperature for Public Lavatories" – which states – *"Hot water delivered for public-use lavatories shall be limited to a maximum temperature of 120°F. The water heater thermostat shall not be considered a control for meeting this provision."* UPC 413.1, when used as the basis for the municipal building code, is the actual standard which must be met from a regulatory standpoint. In contrast, ASSE 1070-2004 specifies the performance of mechanical mixing valves when used as active thermal limiters in attempting to satisfy UPC 413.1. The mixing valve serves as a safety mechanism in a public lavatory to prevent the possibility of a scald. In essence, the mechanical mixing valve should be considered to be a cooling device, mixing enough cold water into a stream of hot water to lower the output at the tap to less than 120°F.

AccuMix: A Simple Solution

In order to meet the provisions of UPC 413.1, Eemax has added an ASSE 1070-2004 code compliant mechanical mixing valve to their AccuMix Series of Electric Tankless Water Heaters. The new AccuMix heaters feature an internally calibrated valve and circuit board which work together to prevent issues during the installation process. With AccuMix, the temperature of the heater is factory pre-set to 105°F for hand-washing applications and must not be adjusted. Tampering with the preset temperature will not only void the warranty, it may cause a loss of compliance to UPC 413.1.

AccuMix is for hand-washing applications only. For constant and safe water output, AccuMix is the ideal solution in single and multi-lavatory applications in stores, restaurants, medical environments, office buildings, factories, and more. Commercial buildings need to meet the latest plumbing codes, however, not all locations are currently being policed for the code. As time goes by, the code will become more enforced. AccuMix features internal set-up with fewer connections and simplified fittings which cuts down on installation time. **Leak Tested – Self Contained – Simplified Plumbing.** AccuMix from Eemax makes it affordably possible to stay ahead of plumbing codes.



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*The wetted surface of this product contacted by water contains less than 0.25% lead and meets California and Vermont Lead Free laws.
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