



# PUBLIC HANDWASHING

Eemax® tankless electric water heaters enable code-compliance and deliver safe, efficient, service water heating solutions to support businesses as they work to increase public handwashing accessibility.

## REGION:

United States

## MARKET:

Commerical

## APPLICATION:

Public access lavatories

## International Plumbing Code (IPC)

### Chapter 4, Fixtures, Faucets & Fittings:

Plumbing fixtures are required to be installed for nearly every building as toilet facilities (water closets and lavatories) are needed by the occupants of a building. Additional fixtures for washing, bathing, and culinary purposes are also necessary where occupants dwell in buildings. Chapter 4 specifies the minimum number and type of plumbing fixtures for buildings based on the description use of the building. Because fixture design and quality are paramount to ensure that plumbing fixtures operate properly, this chapter also specifies numerous product and material standards for plumbing fixtures.

*See IPC Chapter 4, Table 403.1 for details.*

### IPC 416.5 Tempered Water for Public Handwashing Facilities

Tempered water shall be delivered through an approved water-temperature limiting device that conforms to ASSE 1070 or CSA B125.7.

Tempered water is defined as water having a temperature range between 85 °F and 110 °F.

## THE CHALLENGE

In the aftermath of recent events, protecting communities and individuals from getting sick, or spreading virus and other contagious germs in public spaces, has never been more important.

Federal guidelines and state regulations are mandating compliance with certifications to insure a safer return to business and build customer confidence. Increasing the number of public handwashing stations, both in and outside of restrooms—while at the same time insuring safe, reliable, temperature stable water—is integral to that process. In offices, schools, restaurants, stores, and other populated places, the need to provide more easily accessible handwashing stations will be a key part of mitigating any health risks.

### Handwashing: Clean Hands Save Lives

Resource: [www.cdc.gov/handwashing](http://www.cdc.gov/handwashing)

### Designing Handwashing Solutions that are Code Compliant

Service water heating codes govern:

- Efficient water delivery
- Efficient energy consumption
- Safe, reliable performance
- User hygiene and safety
- Design liability and reducing risks

### Universal Plumbing Code (UPC)

*2018 UPC 407.3 Limitation of Hot Water Temperature for Public Lavatories.*

Hot water delivered from public use lavatories shall be limited to a maximum temperature of 120 °F by a device that is in accordance with ASSE 1070 or CSA B 125.70. The water heater thermostat shall not be considered a control for meeting this provision.

*Appendix L 603.4.5.3: Sustainable Practices Outlet Temperature Controls*

Temperature controlling means shall be provided to limit the maximum temperature of water delivered from lavatory faucets in public facility restrooms to 110 °F.





MiniTank™ 1.5 model shown



# THE SOLUTION

A distributed point-of-use water heating system with Eemax tankless electric water heating products can help you save water, save energy, and save money while delivering code-compliant, temperature stable water, for public handwashing applications.

## EEMAX PRODUCT FAMILIES THAT SUPPORT PUBLIC HANDWASHING

### LavAdvantage™

Thermostatic tankless electric water heater with a flow activation of 0.2 GPM for multiple sensor or metering faucets. LavAdvantage™ can be made code compliant for public handwashing with an ASSE 1070 rated mixing valve or if the fixture already has an integrated mixing valve.

### AccuMix II™

Meets UPC 407.3 for public handwashing and IPC 416.5 for tempered water in public handwashing facilities with an integrated ASSE 1070 compliant mixing valve.

### FlowCo™

Non-thermostatic tankless electric water heater ideal for single sensor or metered faucet and other fixed-flow applications.

### MiniTank™

Compact in design, available in 4 sizes, ready to install right out of the box, and can be connected to either a hot or cold water feed. MiniTank can be installed in remote or stand alone locations, and is equipped with a 120 volt plug-in power cord, eliminating the need for running additional electrical for hardwiring.

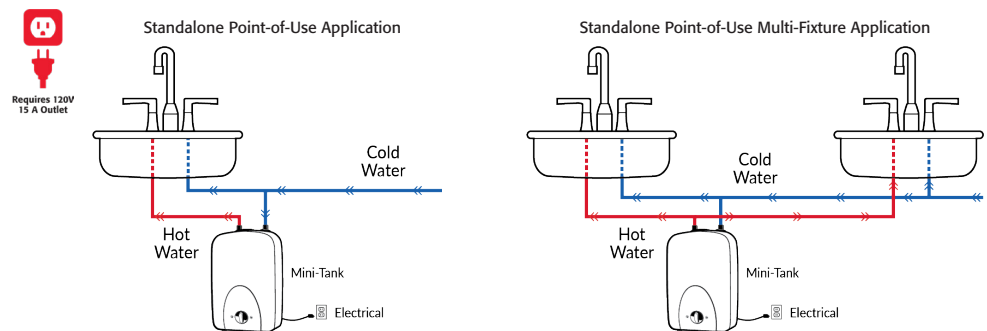
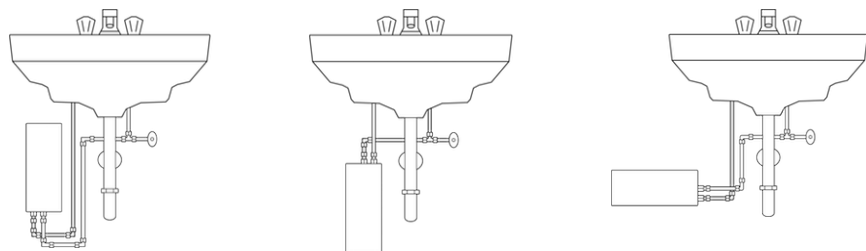
## BENEFIT TO HANDWASHING APPLICATIONS

**Installer** | Easy to install and operate with enhanced troubleshooting interfaces to reduce time and labor. Inlet and outlet fittings suit common plumbing connections. Supported by a knowledgeable customer service team.

**User** | Safe and consistent hot water on demand. Temperature stability is ensured with our proprietary active energy management and power modulating controls.\*

## FLEXIBLE INSTALLATIONS AND FEATURES

-   
Self  
Diagnostics
-   
SafeStart™  
Technology
-   
Energy  
Management\*
-   
Field  
Adjustable\*
-   
Mount in any  
Orientation
-   
Compact  
Size



\* Varies by family. Products shown are not to scale.

