

efficient

energy

electric

expertise

environment

easy

Eemax™
evolving hot water



Eemax® Celebrates Global Handwashing Day by Bringing More Opportunities for Safe, Comfortable Handwashing to Waterbury Public Schools

Eemax, part of the Rheem® family of brands, is hosting an event at Sprague Elementary School on October 15 at 10 a.m. to announce their Heart of Comfort Program donation of Handwashing Portable Stations to ten local schools.

WATERBURY, CONNETICUT — OCTOBER 15, 2020 — [Eemax](#), a manufacturer of tankless electric water heaters headquartered in Waterbury, Connecticut, is helping to keep students safe by bringing opportunities for more frequent handwashing to the Waterbury Public School District. Eemax has donated its new Handwashing Portable Stations to ten schools to provide students with additional access to safe and effective handwashing, through its Rheem Heart of Comfort Program. The donation is in recognition of Global Handwashing Day on October 15, 2020, and will commence with a presentation at 10 a.m. EST, at Sprague Elementary School with Superintendent of Waterbury Public Schools, Dr. Verna D. Ruffin, and Vice President & General Manager, Eemax, Jens Bolleyer sharing the importance of handwashing to student health and hygiene.

According to the Centers for Disease Control and Prevention (CDC), the COVID-19 pandemic provides an important reminder that one of the most effective ways to stop the spread of germs and stay healthy is the simplest — handwashing with soap and water.¹

"Handwashing is our best defense against the spread of COVID-19 and Eemax is the proven expert in handwashing applications," said Vice President & General Manager of Eemax, Jens Bolleyer. "We're honored to support our schools, which are vital to learning, nutrition and childcare, with our portable, flexible solution that increases the opportunity for more handwashing throughout the day on campus, both indoors and out."

Eemax Handwashing Portable Stations allow for more frequent handwashing throughout the school day with less interruption, while minimizing wait times and long lines outside of restrooms, during recess and lunch breaks. The Handwashing Portable Station features two models: one equipped with a drain for endless hot water usage and the other with a waste-water tank, which allows up to 500 handwashing sessions of 20-seconds. Both models feature a convenient, mobile station that is easy to set up and includes a faucet, sink, and water heater; all conveniently mounted on a portable cart.



¹ CDC: Global Handwashing Day: <https://www.cdc.gov/handwashing/global-handwashing-day.html>

Handwashing Portable Station Product Features and Benefits:

- Convenient, low-maintenance, portable cart brings comfortable handwashing with warm water to indoor and outdoor locations throughout campus
- Expands opportunity for more handwashing throughout the day and reduces wait times and lines outside of restrooms
- Eco-friendly, sensor faucet for safe, hands-free operation
- Designed, engineered, and assembled in Waterbury, Connecticut

"The COVID-19 pandemic has reminded all of us that hand hygiene is a fundamental component of maintaining good health in our community," said the Mayor of Waterbury, Connecticut, Neil M. O'Leary. "In order for folks to protect themselves, and their loved ones from COVID-19, we all must reaffirm our commitment to proactive hand hygiene, and practice hand washing as frequently as possible. We're honored to partner with a local company, Eemax®, to bring safe, comfortable, and convenient handwashing solutions to Waterbury students and staff."

"Waterbury Public Schools appreciates the support of Eemax and is grateful for their tremendous generosity. Our collaboration is invaluable as is our shared commitment to ensure the safety of our students and staff, particularly during this pandemic," said Superintendent of Waterbury Public Schools, Dr. Verna D. Ruffin. "These handwashing stations will add another layer of safety to our schools as we continue to provide a safe and healthy learning environment for our students and staff."

Eemax products are applied in various settings critical to helping combat the further spread of COVID-19 including single-family homes, multifamily residences, hospitals, critical care facilities, geriatric residential facilities, rehabilitation facilities, government buildings, military installations, manufacturing facilities, and food and agricultural service wash-downs. Without water heating equipment to disinfect and facilitate proper hygiene, Americans, and front-line healthcare providers, would be at further risk.

About Eemax, Inc.

Eemax is leading the evolution of water with cutting-edge technology that provides consistent hot water. It is our mission to drive the progression of efficiency maximized by developing advanced tankless electric hot water heating solutions. We are empowering professionals with trusted and versatile products that can accommodate a multitude of installation scenarios. Today, Eemax products deliver energy-efficient hot water for schools, restaurants, manufacturing facilities, commercial restrooms, laundries, breweries, medical facilities, and more. Wherever hot water is needed—Eemax has the solutions—making us America's #1 choice for tankless electric water heaters. For more information and a complete list of products, visit Eemax online, www.eemax.com.

Media Contact:

Christina Madrid: (818) 621-1897
christina@christieand.co

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1988

Established in 1988, Eemax introduced a line of tankless water heaters for commercial applications ranging in size from .5 GPM to about 1.5 GPM. The original Eemax tankless electric technology was patented and quickly emerged as the most versatile technology on the market



Eemax's first product, the 9.5 kW Series One™, was developed in 1989 as a simple on/off device for handwashing applications. This patented modular design led to other units with electronic thermostats, adjustable flow, and up to 277 volt capacities—which expanded the market for tankless electric heaters during the early '90s. Eemax continued to expand its market leadership position throughout the '90s by introducing the Series Two™ and Series Three™ water heaters, offering a broader range of commercial hot water applications covering 1.5 to 5 GPM.

2000

In 2000, Eemax introduced a line of residential products so that consumers could enjoy the benefits of tankless electric water heating for the whole home. Over the years Eemax has established a leadership position in the residential market to complement its commercial business.

2003

In 2003, Eemax further enhanced its position as the dominant supplier for commercial water heating solutions with the introduction of its patented Series Six™ and Series Twelve™ families of high-capacity water heaters. These products were designed for commercial and industrial applications from 6 to 25+ GPM. In addition, there were models within this product family designed specifically for point-of-use safety (tepid water) equipment applications, including eye, face, and drench shower systems.

2011

In 2011, Eemax developed an ASSE 1070 approved tankless electric water heater called AccuMix. This product was designed as a turnkey-solution-heater with a code compliant integrated mixing valve, designed specifically to meet UPC 413.1 code requirements for handwashing in both single and multi-lav applications.

2008

Eemax was purchased by the private equity firm, Riverside, in 2008, thus giving Eemax the capability to expand its product breadth and hold in the marketplace.



2012 2013

2012 marked an expansion for Eemax when the company moved its headquarters and manufacturing to Waterbury, Connecticut. The new location doubled the footprint of Eemax operations to 35,000 square feet. And in 2013, Eemax acquired the retail manufacturer EcoSmart®. Additionally, Eemax introduced ground-breaking technology with the SafeAdvantage™ and SpecAdvantage™ product lines. SafeAdvantage and SpecAdvantage provide endless hot water on demand in commercial, institutional, industrial, and safety applications with unsurpassed efficiency, reliability, precision, and speed.

2014

In 2014, Eemax introduced a new residential line: HomeAdvantage II™. With its patented, self-modulating technology, HomeAdvantage II only uses the energy necessary to heat water as it is needed, nothing more. An efficient, whole-home water heating solutions that is both good for you and good for the environment.

2015

In December 2015, Rheem® acquired Eemax. Founded in 1925, Rheem is the only manufacturer worldwide that produces heating, cooling, water heating, pool/spa heating, and commercial refrigeration products. Rheem is headquartered in Atlanta, GA, and has operations in 14 countries. "Eemax's offerings perfectly complement Rheem's line of efficient and advanced tank and tankless water heaters, and that is why we are so confident that this acquisition is the right opportunity and the right time," stated Chris Peel, President and COO, Rheem.

2016

AutoBooster™, SmartBoost™, and TankBuddy™ are launched in 2016. These products are easily installed on existing electric or gas tanks to increase the deliverable amount of hot water.



2017

2017 was an exciting year as Eemax became home to the 7,000 square foot Innovation Learning Center. A hub for training, creative exploration, and water heating education, the Innovation Learning Center serves as a collaborative space for engineers, manufacturer's representatives, wholesalers, and plumber/contractors in the Northeast and nationwide. "This training center is reflective of Rheem's commitment to innovation and to business growth—for both us and our partners," said Rich Bendure, executive vice president, Rheem Water Heating.



2019

In 2017 and early 2018, Eemax developed and patented several new technologies that became an industry-leading platform for the successful launches of LavAdvantage™, AccuMix II™, and HotMax™.

2018 marked a 30 Year Anniversary at Eemax—with an expanded team of engineers and product development professionals, Eemax pushed the evolution of hot water solutions in 2019 with its introduction of ProSeries XTP™—a line of tankless electric water heaters that are designed for applications that require superior thermal performance and temperature stability. Eemax proprietary Adaptive Stability Technology™ enables every ProSeries XTP model to provide exact thermal performance in demanding conditions.



Evolving effective cleanliness



Science Proves Soap and Water are the Safest Solution for Handwashing

Eemax® tankless electric water heaters deliver endless, on-demand warm water for the safest and most effective handwashing.

HAND SANITIZERS

Per WHO, an obsession with germ-killing has resulted in antibiotic-resistant bacteria, which is attributed to the overuse of antibiotics and hand sanitizer.

- Can increase absorption of harmful BPA.
- May contain dangerous phthalates and parabens.
- Dangerous if ingested.
- Associated with allergy development in young children.
- Ingredients can be harmful to the environment.

SOAP AND WARM WATER

Washing with soap and warm water is one of the key public health practices that can significantly slow the rate of a pandemic and limit the number of infections.¹

- Washing with soap for 20 seconds is optimal for removing contaminants.
- Per CDC, handwashing is one of the best ways to remove germs, avoid getting sick, and prevent the spread of germs.
- The FDA recommends that hand sanitizers NOT be used in place of soap and warm water especially if your hands are visibly dirty or greasy.
- Dermatologists are reporting an increase in skin damage due to both the increased use of hand sanitizers AND increased frequency of handwashing.

Wherever and whenever on-demand hot water is needed—Eemax has the solution—your partner for safe, effective handwashing.



endless
hot water



save
space



save
energy



save
time



save
money



no
venting

¹ <https://www.nytimes.com/2020/03/13/health/soap-coronavirus-handwashing-germs.html>

Eemax™
evolving hot water

Learn more at eemax.com
or call (800) 543-6163





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:
Commercial

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.

2018 IPC 419.5 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

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.

AccuMix II™

LavAdvantage™



FlowCo™

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 419.5 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™

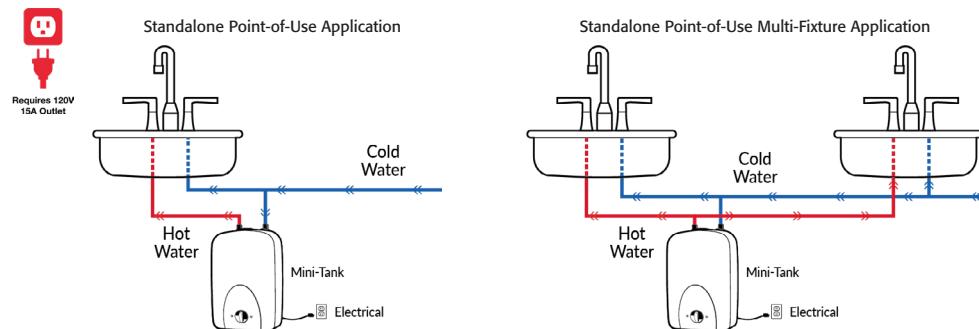
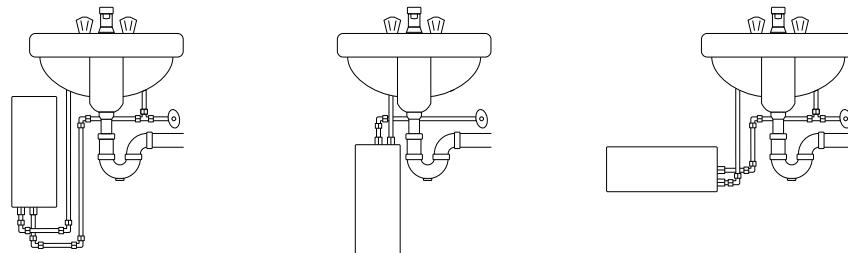
Compact in design, available in 4 sizes, ready to install right out of the box, and can be connected to either a hot or cold water feed. MiniTank can be installed in remote or stand alone locations, and is equipped with a 120 volt plug-in power cord, eliminating the need for running additional electrical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



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



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400 Captain Neville Drive
Waterbury, CT 06705

800 543 6163
eemax.com





400 Captain Neville Drive
Waterbury, CT 06705

tel. 800 543 6163
eemax.support@eemax.com



eemax.com