

**CHICAGO  
FAUCETS** 

Geberit Group

## Scald Protection Products

 **TempShield**<sup>®</sup>

# Get comprehensive scald protection from Chicago Faucets.

Scald burns from faucets and showers can happen to anyone, but especially young children, older adults, and people with disabilities.



## TempShield®

Most products in this brochure feature TempShield, built-in anti-scald technology available exclusively from Chicago Faucets. All were designed and rigorously tested to meet the latest codes for your lavatory and shower projects. Built-in scald protection means:

- Quicker installation and lower installation cost
- Fewer potential leak points
- No chance that an anti-scald device will be left out of the installation



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# Overview of the ASSE standards for lavatory and shower products.

This information is provided as a convenient quick reference. To make sure your installation is fully compliant, always check the local and state codes in your area.



## ASSE 1070 For Faucets

This standard covers devices intended to limit the hot or tempered water temperature supplied to lavatories:

- Valves must be thermostatic
- Valves must provide scald protection at the rated flow rate of the fixture
- Faucets can have an integrated thermostatic design or water can be tempered using an add-on valve
- The valve must be set to deliver a maximum water temperature of 120°F or less
- For non-adjustable water temperature fixtures the outlet temperature must be 110°F or less

## ASSE 1016 For Tubs/showers

This standard covers tub and shower fixtures that are adjusted and controlled by the user:

- Valves can be pressure-balancing, thermostatic, or combination pressure-balancing/thermostatic
- In-line thermostatic valves may not be utilized to meet this standard
- Valves must provide scald and thermal shock protection for the rated flow rate of the installed shower head
- The valve must limit the maximum setting to 120°F
- The valve must also have a maximum temperature limit stop set prior to occupancy
- The limit stop must be checked and adjusted seasonally to reflect changes in cold water temperature

# Only Chicago Faucets offers a complete line of

## Lavatory Faucets with integrated scald protection



### 410-T and 420-T Series

Ideal for commercial restrooms, protects users against scalding without the need to plumb extra mixing valves.

- Meets ASSE 1070 and ADA requirements
- Water conserving design
- Eliminates separate mixing valve below the sink
- Easy-to-install

Everything you need to meet current building codes and protect residents against scalding is built right into the faucet.

#### 4" Centers



Flow Rate GPM / LPM	Maximum Temperature	Model Number
1.5 / 5.7	105°F	420-T41ABCP
1.0 / 3.8		420-T41E74ABCP
0.5 / 1.9		420-T41E2805ABCP
0.35 / 1.5		420-T41E39VPABCP
0.5 / 1.9	113°F	420-T45E2805ABCP
0.35 / 1.5		420-T45E39VPABCP

#### Single Hole



Flow Rate GPM / LPM	Maximum Temperature	Model Number
1.5 / 5.7	107°F	410-T41E37VPABCP
1.0 / 3.8		410-T41E64VPABCP
0.5 / 1.9		410-T41E2805ABCP
0.35 / 1.5		410-T41E39VPABCP
0.5 / 1.9	113°F	410-T45E2805ABCP
0.35 / 1.5		410-T45E39VPABCP

## Thermostatic/Pressure Balance tub and shower valves



### 1905 and 2500 Series

Protect users against scalding and thermal shocks by constantly monitoring both the water temperature and pressure.

- Allows user to select a comfortable water temperature
- Protects against temperature and pressure changes
- 2500 Series includes a precise temperature control dial
- Meets ASSE 1016 and ADA requirements

Each valve is engineered to provide a consistent, safe temperature range for your residents and help reduce the risk of scalding.



Description	Model Number
Tub and shower valve with trim	1905-VOCCP
Tub and shower valve only	1905-VONF



Description	Model Number
Shower valve with trim, Quatern cartridge	2500-VOCCP
Shower valve with trim, ceramic cartridge	2500-VOCXKCP

## Pressure Balance tub and shower valves

### SH-PB Series

Add scald protection as part of an entire tub and shower system.

- Meets the ASSE 1016 standard for fixtures that are adjusted and controlled by the user
- Monitors fluctuations in water pressure
- Available with multiple tub and shower combinations, diverter, hand shower, and slide bars



Description	Model Number
Tub and shower valve with trim	SH-PB1-00-000
Tub and shower valve only	1910-VONF



Complete systems available. Visit [chicagofaucets.com](http://chicagofaucets.com) for more details.

# products with integrated scald protection.

## Touch-Free Sensor Faucets with integrated scald protection



### EQ Series

Easy to install, easy to operate, and easy to maintain.

- Touch-free reduces surface contact and potential to spread C. diff bacteria, MRSA, and other contact based pathogens
- Integrated ASSE 1070 thermostatic mixing valve eliminates extra plumbing
- Meets ADA requirements

EQ Series faucets help reduce surface contact in public areas and can help reduce the spread of potentially deadly infections.



Visit [eqseries.com](http://eqseries.com) for additional styles and finishes.



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-A11A-33ABCP
	User Controlled Thermostatic				EQ-A21A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-A11A-13ABCP
	User Controlled Thermostatic				EQ-A21A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-A11C-23ABCP
	User Controlled Thermostatic				EQ-A21C-25ABCP



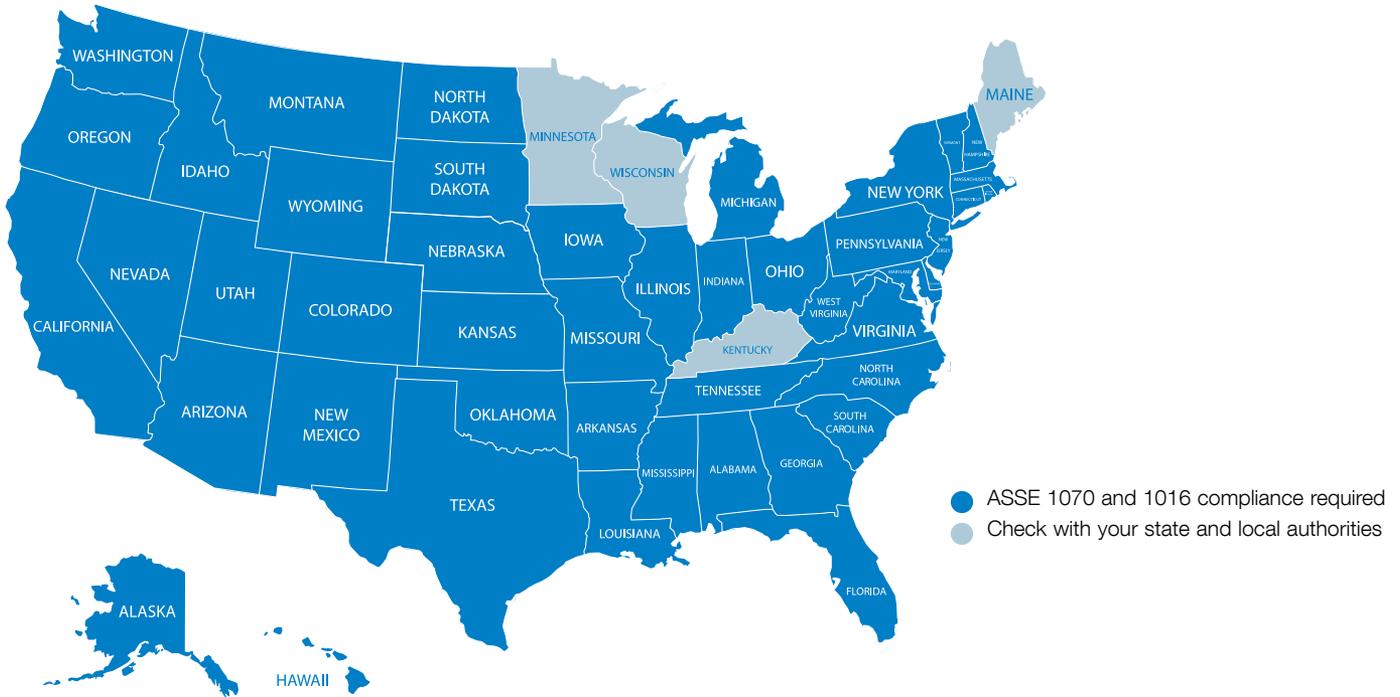
Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-B11A-33ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-B11A-13ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-B11C-23ABCP



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-C11A-33ABCP
	User Controlled Thermostatic				EQ-C21A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-C11A-13ABCP
	User Controlled Thermostatic				EQ-C21A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-C11C-23ABCP
	User Controlled Thermostatic				EQ-C21C-25ABCP

# Scald Protection Building Codes

The majority of states have adopted the International Plumbing Code (IPC), Uniform Plumbing Code (UPC), or National Standard Plumbing Code (NSPC). These codes require ASSE 1070 and ASSE 1016 compliance to provide scald protection in commercial building projects.



## Add-On Thermostatic Mixing Valves



- Use to make any manual or electronic faucet ASSE 1070 compliant
- Valves with a thermal flush option allow hot water disinfection of the entire system without the need for bypass piping.



Description	Model Number
Thermostatic mixing valve, 3-port for single supply	131-ABNF
Thermostatic mixing valve, 4-port for single supply	131-CABNF



Description	Model Number
Thermostatic valve with integrated thermal flush option, 3-port for single supply	131-FMAB
Thermostatic valve with integrated thermal flush option, 4-port for single supply	131-CFMAB



Description	Model Number
Thermostatic valve, 3-port for single supply	122-ABNF



We are a member of the U.S. Green Building Council and support the Leadership in Energy and Environmental Design (LEED) Green Building Rating System™, to measure the efficiency and sustainability of buildings in the U.S. and Canada. If you are trying to achieve LEED Certification for your building, our low-flow outlets, metering cartridges, and sensor-operated faucets can contribute points in these areas: Water Efficiency Credit 2: Innovative Wastewater Technologies and Water Efficiency Credit 3: Water Use Reduction



We are proud to be a partner with WaterSense®, sponsored by the EPA and designed to protect the future of our nation's water supply by promoting efficiency and enhancing the market for water efficient products, programs, and practices.



We are a charter sponsor of the Alliance for Water Efficiency, a non-profit organization that is dedicated to the efficient and sustainable use of water. It brings together a diverse range of stakeholders to advocate water efficiency and conservation.



Geberit Group

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.

The Chicago Faucet Company  
2100 South Clearwater Drive  
Des Plaines, IL 60018  
Phone: 847/803-5000  
Fax: 847/803-5454  
Technical: 800/832-8783  
[www.chicagofaucets.com](http://www.chicagofaucets.com)

