

**STIEBEL ELTRON**

**Simply the Best**

Small and Reliable Point-of-Use Tankless for Handwashing



# Mini™ Series

POINT-OF-USE

TANKLESS ELECTRIC WATER HEATERS



ISO 9001  
CERTIFIED



- › Proven Reliability
- › Exclusive Design Prevents Dry Firing
- › Compact Design Saves Space
- › Major Energy Savings
- › Unlimited Supply of Hot Water

800.582.8423

[www.stiebel-eltron-usa.com](http://www.stiebel-eltron-usa.com)

# Point-Of-Use Water Heating for Handwashing

Stiebel Eltron Mini™ tankless electric water heaters are the ideal choice for point-of-use handwashing applications in the following settings:

## Commercial › Industrial › Institutional

- › Office buildings
- › Stores
- › Malls
- › Warehouses
- › Restaurants
- › Gas stations
- › Schools
- › Hotels/Motels
- › Commercial condominiums
- › Manufacturing facilities

## Residential

- › Bathroom sinks
- › Laundry areas
- › Cabins/cottages

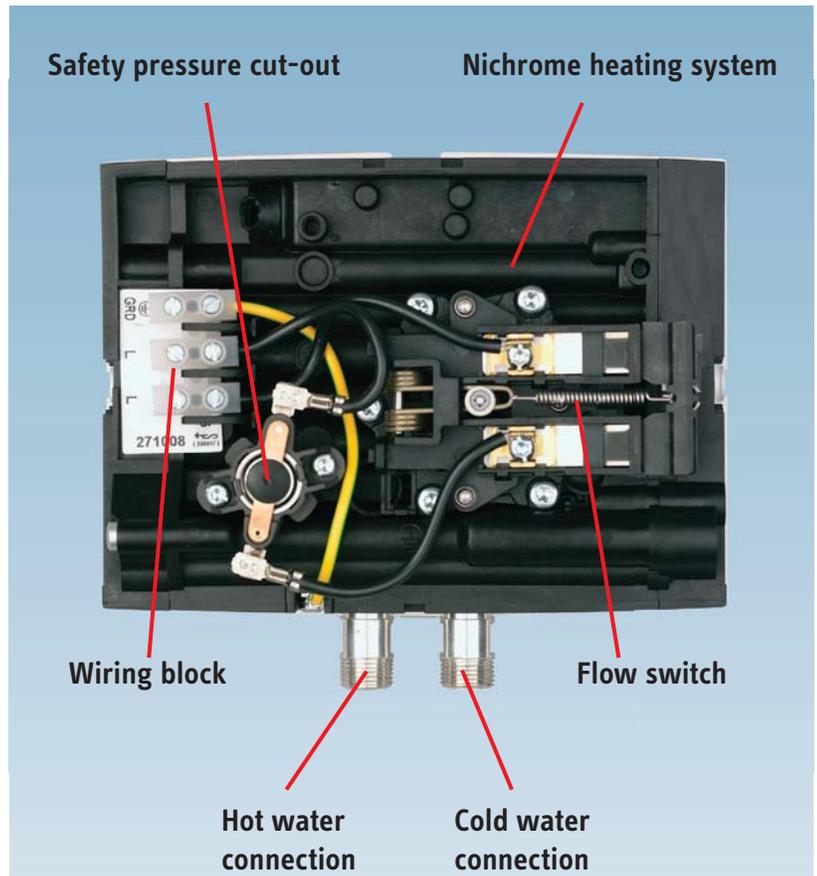


Comes complete with pigtail!

The Stiebel Eltron Mini™ tankless water heaters are designed for installation at the point-of-use. The Mini™ heats water instantaneously as it flows through the unit. Stand-by heat-losses are completely eliminated.

The efficient heating elements are controlled by a flow switch. Additionally, all Mini™ water heaters are equipped with a safety high-limit with manual reset. The combination of meticulous German engineering and the best available materials ensures that every Mini™ is of the highest quality and designed for many years of trouble-free service. Nobody can compare with our exceptional reliability record and customer support services!

All models ship with a pressure compensating flow-reducer/aerator that fits most faucets and must be installed. The Mini™ 2-1, 2.5-1, and 3-1 models ship with a 0.5 GPM aerator. The Mini™ 3.5-1 and 4-2 models ship with a 0.66 GPM aerator. The Mini™ 6-2 model ships with a 1.0 GPM aerator. No pressure relief valve, drains, or circulating pumps are needed.



**Engineer's Specifications:** The tankless electric water heater shall be equipped with a bare wire nichrome type heating element housed in fiberglass reinforced high temperature plastic containment. The housing of the unit shall be made of high impact polycarbonate plastic. The flow switch that operates the heating element shall be of the mechanical pressure differential type. The unit shall be equipped with a safety high-limit switch with manual reset. The water connections shall be designed for standard 3/8" O.D. flexible braided stainless steel hose type connectors. The unit shall be mounted with water connections facing either top or bottom only. The unit shall ship with a installed AWG #12 wire harness with a length of 2 ft.



## Mini™ Sizing Guide Single Hand Washing Sink Tankless Electric Water Heater

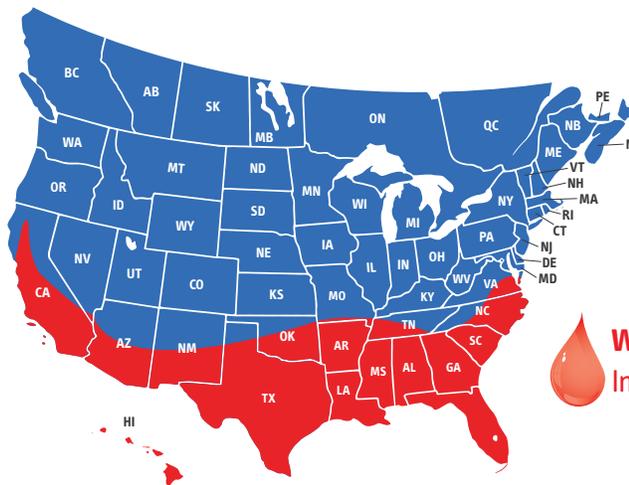
| Flow Rate at Sink | GPM  | MINI™ MODEL  |   |   |   |   |   |
|-------------------|------|--|---|---|---|---|---|
|                   |      | Mini™ 2-1*<br>120 V<br>Requires 15 A circuit breaker | Mini™ 2.5-1<br>120 V<br>Requires 20 A circuit breaker | Mini™ 3-1<br>120 V<br>Requires 25 A circuit breaker | Mini™ 3.5-1<br>120 V<br>Requires 30 A circuit breaker | Mini™ 4-2<br>240 V<br>Requires 15 A circuit breaker | Mini™ 6-2<br>240 V<br>Requires 25 A circuit breaker |
| Ultra-Low         | 0.32 | 2 drops  |   |   |   |   |   |
| Standard          | 0.50 |  | 2 drops   | 2 drops   |   |   |   |
| Standard          | 0.66 |  |   |   | 2 drops   | 2 drops   |   |
| High              | 1.0  |  |   |   |   |   | 2 drops   |

\*Mini™ 2-1 is internally restricted to 0.32 GPM.

Mini™ 2-1, 2.5-1, 3-1 ship with a 0.5 GPM pressure compensating flow reducer/aerator that must be installed.

Mini™ 3.5-1, 4-2 ship with a 0.66 GPM pressure compensating flow reducer/aerator that must be installed.

Mini™ 6-2 ships with a 1.0 GPM pressure compensating flow reducer/aerator that must be installed.



7 years leakage/  
3 years parts.  
Complete warranty  
online.



Conforms to ANSI/UL  
Std. 499  
Certified to CAN/CSA  
E335-1 & E335-2-35



Tested and certified  
by WQA against NSF/  
ANSI 372 for lead free  
compliance.

Recommendations for 240 V models are correct if installed with 240 V service.

Increase one model size if unit will be installed with 208 V service.

Call Stiebel Eltron at 800.582.8423 if you have any sizing questions, or if you have any out-of-the-ordinary situations. Stiebel Eltron service representatives can make recommendations on sizing, or provide assistance with our water heaters, to both homeowners and professional installers.

### Technical Data



Certified to ANSI/UL Std. 499  
Conforms to CAN/CSA E335-1 & E335-2-35



Tested and certified by WQA  
against NSF/ANSI 372 for  
lead free compliance.



| Model <sup>1</sup>                                 | Mini™ 2-1  | Mini™ 2.5-1           | Mini™ 3-1             | Mini™ 3.5-1           | Mini™ 4-2             | Mini™ 6-2             |
|--|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Item No.   | 231045   | 232098                | 220816                | 232099                | 222039                | 220817                |
| Phase - 50/60 Hz                                   | 1  |                       |                       |                       |                       |                       |
| Voltage  | 120 V  | 120 V                 | 120 V                 | 120 V                 | 240 V or 208 V        | 240 V or 208 V        |
| Wattage  | 1.8 kW   | 2.4 kW                | 3.0 kW                | 3.5 kW                | 3.5 kW   2.6 kW       | 5.7 kW   4.3 kW       |
| Amperage draw                                      | 15 A   | 20 A                  | 25 A                  | 29 A                  | 14.6 A   12.7 A       | 23.8 A   20.6 A       |
| Min. recommended circuit breaker size <sup>1</sup> | 15 A (SP)  | 20 A (SP)             | 25 A (SP)             | 30 A (SP)             | 15 A (DP)             | 25 A (DP)             |
| Min. recommended wire size <sup>2</sup> (copper)   | 14 AWG   | 12 AWG                | 10 AWG                | 10 AWG                | 14 AWG                | 10 AWG                |
| Minimum water flow to activate unit                | 0.21 GPM<br>0.8 l/min  | 0.40 GPM<br>1.5 l/min | 0.40 GPM<br>1.5 l/min | 0.40 GPM<br>1.5 l/min | 0.40 GPM<br>1.5 l/min | 0.77 GPM<br>2.9 l/min |
| Weight   | 3.44 lb / 1.56 kg  |                       |                       |                       |                       |                       |
| Dimensions (H x W x D)                             | 6 1/2" / 165 mm x 7 1/2" / 190 mm x 3 1/4" / 82 mm             |                       |                       |                       |                       |                       |
| Volume of water in unit                            | 0.026 gal / 0.1 l  |                       |                       |                       |                       |                       |
| Working pressure                                   | 150 psi / 10 BAR   |                       |                       |                       |                       |                       |
| Tested to pressure                                 | 300 psi / 20 BAR   |                       |                       |                       |                       |                       |
| Water connections <sup>3</sup>                     | for 3/8" O.D. flexible braided stainless steel hose connectors |                       |                       |                       |                       |                       |

Mini™ 2-1 models are internally restricted to 0.32 GPM / 1.2 l/min.

Mini™ 2-1, 2.5-1, 3-1 ship with a 0.5 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 3.5-1, 4-2 ship with a 0.66 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 6-2 ships with a 1.0 GPM pressure compensating flow-reducer/aerator that must be installed.

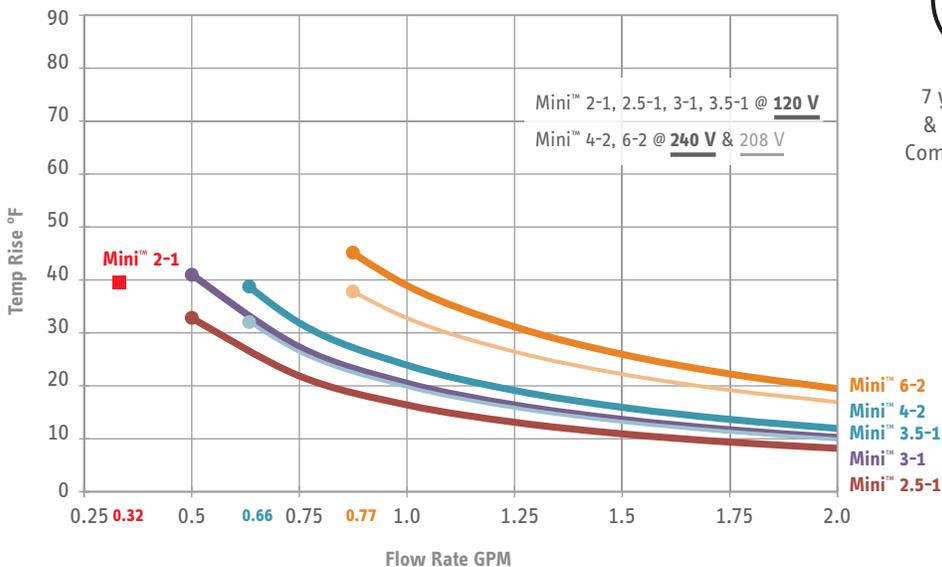
<sup>1</sup> This is our recommendation for overcurrent protection sized at 100% of load. Check local codes for compliance if necessary.

Tankless water heaters are considered a non-continuous load.

<sup>2</sup> Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

<sup>3</sup> Suitable for supply with cold water only.

Temperature Rise vs. Flow Rate



7 years leakage  
& 3 years parts.  
Complete warranty  
online.



Comes complete with pigtail!

### STIEBEL ELTRON

17 West Street  
West Hatfield, MA 01088

TOLL FREE 800.582.8423

PHONE 413.247.3380

FAX 413.247.3369

info@stiebel-eltron-usa.com

www.stiebel-eltron-usa.com

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