

**STIEBEL ELTRON**

**Simply the Best**

SMALL, EFFICIENT AND RELIABLE



**Made in  
the USA**

# Mini™ Series

POINT-OF-USE

TANKLESS ELECTRIC WATER HEATERS

- » PROVEN RELIABILITY
- » TWO NEW 120V MODELS
- » COMPACT DESIGN SAVES SPACE
- » MAJOR ENERGY SAVINGS
- » UNLIMITED SUPPLY OF HOT WATER



ISO 9001  
CERTIFIED



**800.582.8423**

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

# For all point-of-use water heating applications!

**STIEBEL ELTRON Mini™** tankless electric water heaters are the ideal choice for all point-of-use applications in the following settings:

## **Commercial › Industrial › Institutional**

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

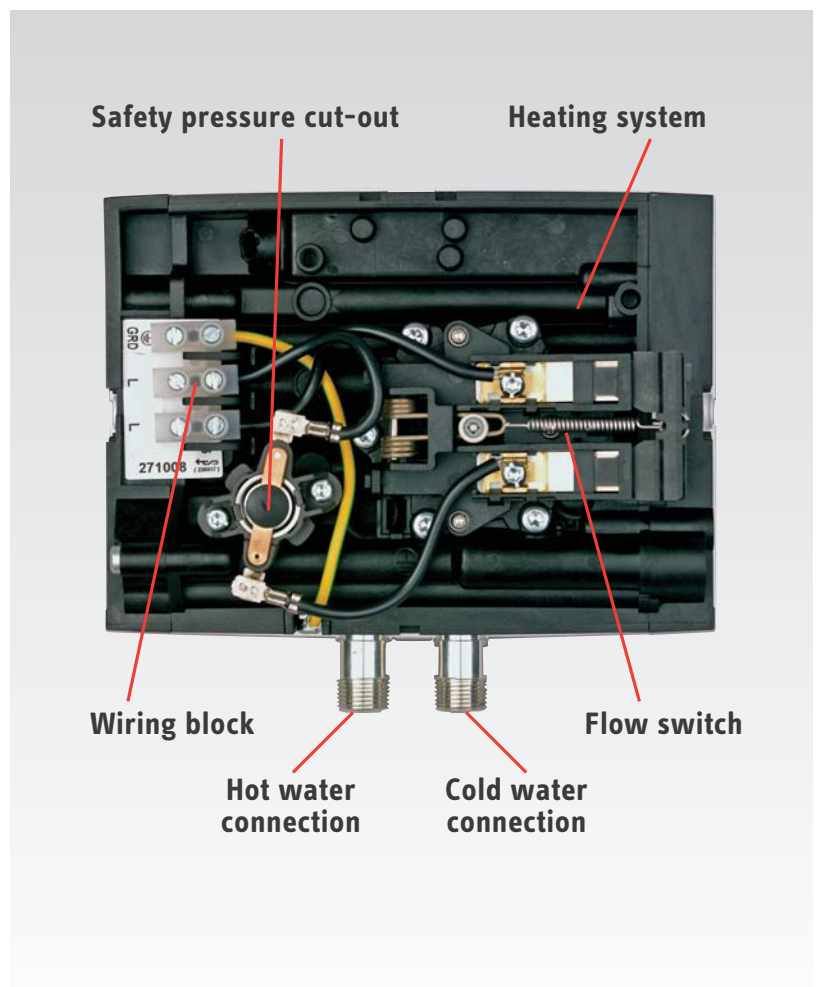
## **Residential**

- » Bathroom sinks
- » Kitchen sinks
- » Laundry areas
- » Cabins/cottages

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 ensure 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 except the Mini™ 6 ship with a pressure compensating flow reducer / aerator that fits most faucets. The Mini™ 2, 2.5, and 3 models ship with a 0.5 GPM aerator. The Mini™ 3.5 and 4 model ships with a 0.66 GPM aerator. Faucet aerators or other flow controls are highly recommended in conjunction with tankless water heaters. 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 units shall ship with a AWG #12 wire harness with a length of 2 ft.





## Mini™ Tankless Electric Water Heater Sizing Guide<sup>1</sup>

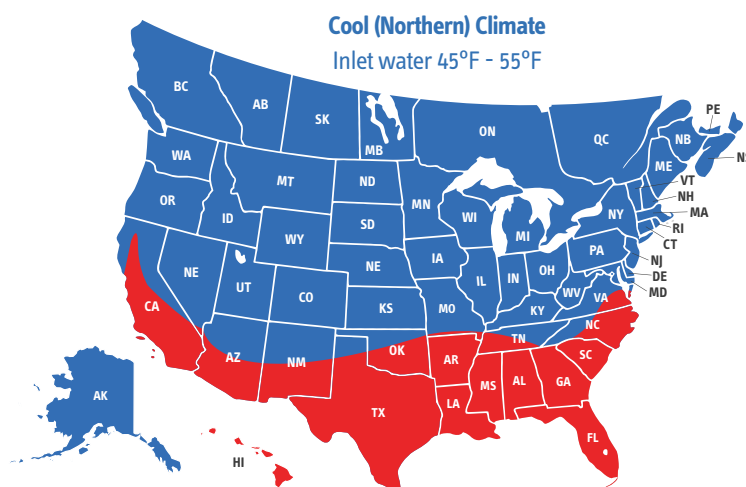
| Flow      | GPM  | MINI™ MODEL |           |         |           |         |         |
|-----------|------|-------------|-----------|---------|-----------|---------|---------|
|           |      | Mini™ 2*    | Mini™ 2.5 | Mini™ 3 | Mini™ 3.5 | Mini™ 4 | Mini™ 6 |
| Ultra-Low | 0.32 | Red         |           |         |           |         |         |
| Ultra-Low | 0.32 | Blue        |           |         |           |         |         |
| Standard  | 0.50 |             | Red       | Red     |           |         |         |
| Standard  | 0.50 |             | Blue      | Blue    |           |         |         |
| Standard  | 0.66 |             |           |         | Red       | Red     |         |
| Standard  | 0.66 |             |           |         | Blue      | Blue    |         |
| High      | 1.0  |             |           |         |           |         | Red     |

\*Mini™ 2 is internally restricted to 0.32 GPM

<sup>1</sup> These recommendations are for 240 V units installed at that voltage. Increase one model size if unit will be installed with 208 V service.



Stiebel Eltron's main plant in Holzminden, Germany



**Warm (Southern) Climate**  
Inlet water 55°F - 70°F



The Mini™ series is tested and certified by WQA against NSF/ANSI 372 for "lead free" compliance.

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# Mini™ Series Tankless Electric Water Heaters

## Technical Data



The Mini™ series is tested and certified by WQA against NSF/ANSI 372 for "lead free" compliance.

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| Mini™ Model                                            | Mini™ 2                                                        | Mini™ 2.5            | Mini™ 3              | Mini™ 3.5            | Mini™ 4              | Mini™ 6              |
|--------------------------------------------------------|----------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Item Number                                            | 231045                                                         | 232098               | 220816               | 232099               | 222039               | 220817               |
| Phase                                                  | 1                                                              | 1                    | 1                    | 1                    | 1 1                  | 1 1                  |
| Voltage                                                | 120 v                                                          | 120 v                | 120 v                | 120 v                | 208 v 220 - 240 v    | 208 v 220 - 240 v    |
| Wattage                                                | 1.8 kW                                                         | 2.4 kW               | 3.0 kW               | 3.5 kW               | 2.9 kW 3.5 kW        | 4.7 kW 5.7 kW        |
| Amperage Draw (see below for recommended breaker size) | 16 A                                                           | 21 A                 | 25 A                 | 31 A                 | 13.8 A 15.2 A        | 22.4 A 24.7 A        |
| Min. required circuit breaker size <sup>1</sup>        | 20 A                                                           | 30 A                 | 30 A                 | 40 A                 | 20 A 20 A            | 30 A 30 A            |
| Recommended wire size <sup>2</sup>                     | 12 AWG                                                         | 10 AWG               | 10 AWG               | 10 AWG               | 12 AWG 12 AWG        | 10 AWG 10 AWG        |
| Minimum water flow to activate unit                    | 0.21 GPM / 0.8 l/min                                           | 0.40 GPM / 1.5 l/min | 0.40 GPM / 1.5 l/min | 0.40 GPM / 1.5 l/min | 0.40 GPM / 1.5 l/min | 0.77 GPM / 2.9 l/min |
| Degree of protection according to IEC 529              | IP 24                                                          |                      |                      |                      |                      |                      |
| Weight                                                 | 3.44 lbs / 1.56 kg                                             |                      |                      |                      |                      |                      |
| Dimensions (Height/Width/Depth)                        | 6.5" (16.5 cm) / 7.5" (19.0 cm) / 3.25" (8.2 cm)               |                      |                      |                      |                      |                      |
| Working Pressure                                       | 150 psi / 10 bar                                               |                      |                      |                      |                      |                      |
| Tested to Pressure                                     | 300 psi / 20 bar                                               |                      |                      |                      |                      |                      |
| Volume of water in unit                                | 0.026 gal. / 0.1 l                                             |                      |                      |                      |                      |                      |
| Water connections <sup>3</sup>                         | for 3/8" O.D. flexible braided stainless steel hose connectors |                      |                      |                      |                      |                      |

Mini™ 2 models are internally restricted to 0.32 GPM. Mini™ 2, 2.5, 3 ship with a 0.5 GPM pressure compensating flow reducer/aerator that should be installed. Mini™ 3.5, 4 ship with a 0.66 GPM pressure compensating flow reducer/aerator that should be installed.

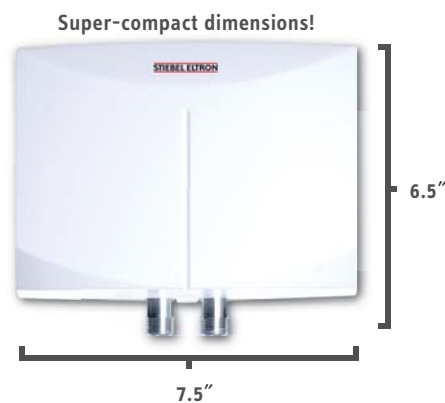
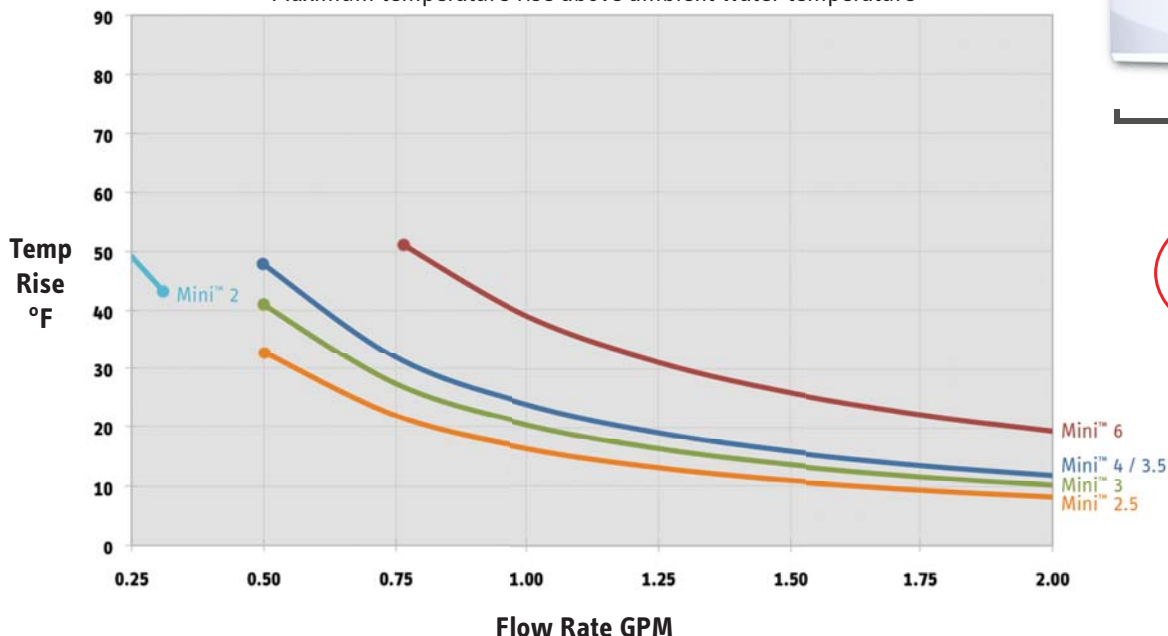
<sup>1</sup> This is our recommendation as the manufacturer. Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

<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> For use with cold water supply only

Limited Warranty (Excerpt): Stiebel Eltron, Inc. warrants to the original owner that the Mini™ Series Tankless Electric Water Heater will be free from defects in workmanship and materials for a period of THREE (3) YEARS from the date of purchase. Should any part(s) prove to be defective during this period, Stiebel Eltron, Inc. will be responsible for replacement of the defective part(s) only. STIEBEL ELTRON, Inc. is not responsible for labor charges.

**Temperature Rise versus Flow Rate @ 240V**  
Maximum temperature rise above ambient water temperature



**Made in  
the USA**

Distributed by:

## 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

Due to our continuous process of engineering and technological advancement, specifications may change without notice.

Printed on recycled chlorine-free paper with soy-based inks. 18-5.2013