

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
- [www.flowfactor.com](http://www.flowfactor.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

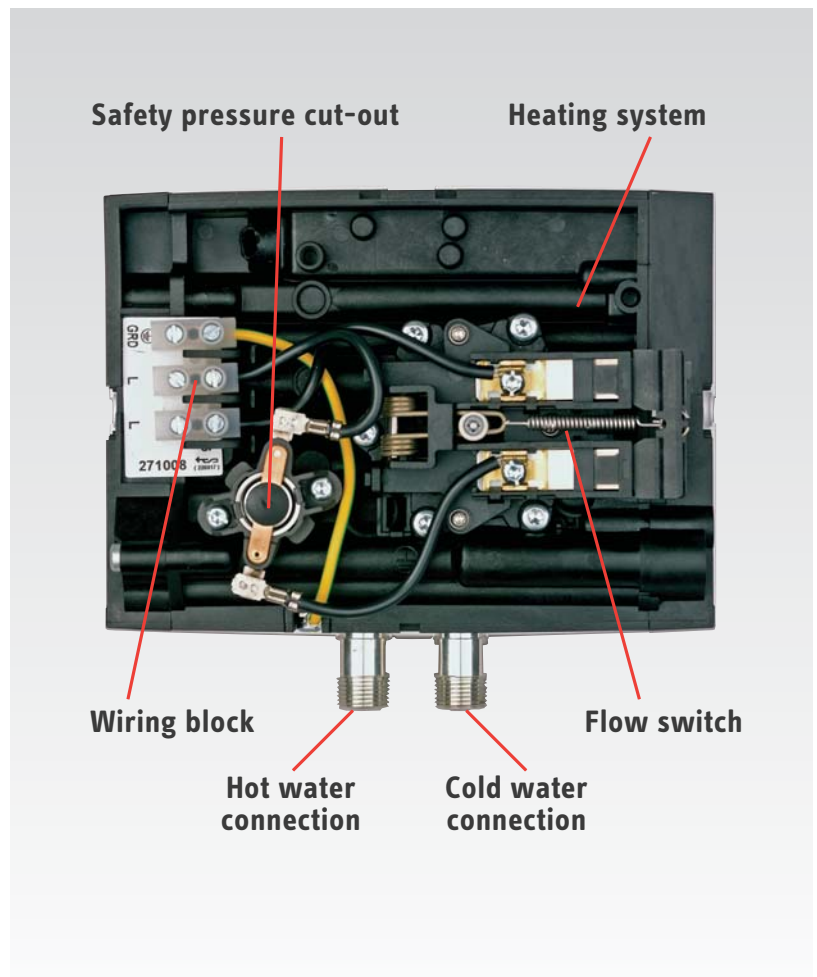
## Residential

- » 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>

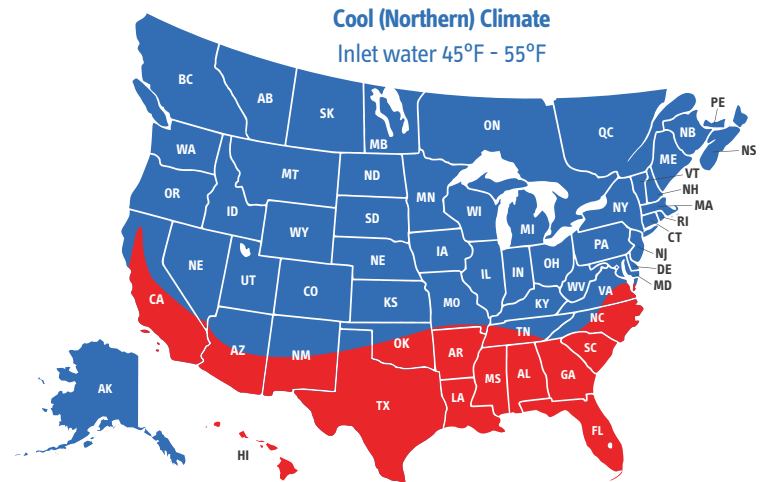
Flow	GPM	MINI™ MODEL					
		Mini™ 2*	Mini™ 2.5	Mini™ 3	Mini™ 3.5	Mini™ 4	Mini™ 6
Ultra-Low	0.32	Red					
Ultra-Low	0.32	Blue					
Standard	0.50		Red	Red			
Standard	0.50		Blue	Blue			
Standard	0.66				Red	Red	
Standard	0.66				Blue	Blue	
High	1.0						Red

\*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



Intertek



The Mini™ series is tested

**ISO 9001**  
CERTIFIED



# 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.



Mini™ Model	Mini™ 2 <sup>1</sup>	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>2</sup>	20 A	30 A	30 A	40 A	20 A 20 A	30 A 30 A
Recommended wire size <sup>3</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>4</sup>	for 3/8" O.D. flexible braided stainless steel hose connectors					

<sup>1</sup> Mini™ 2 models are internally restricted to 0.32 GPM.

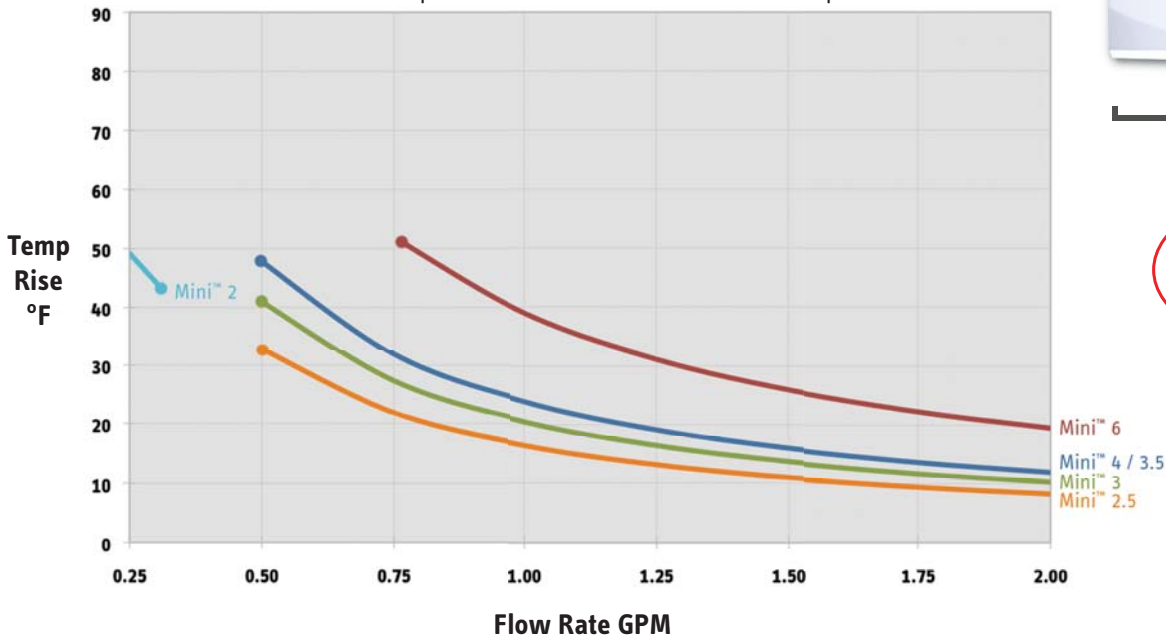
<sup>2</sup> This is our recommendation as the manufacturer. Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

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

<sup>4</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



Super-compact dimensions!



**Made in the USA**