

# MINI™ SERIES TANKLESS ELECTRIC WATER HEATERS SUBMITTAL SHEET

# STIEBEL ELTRON

## Simply the Best

### MINI™ SERIES POINT-OF-USE TANKLESS ELECTRIC WATER HEATERS FOR 120V & 208-240V APPLICATIONS.

## Specifications



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

ISO 9001 CERTIFIED

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.

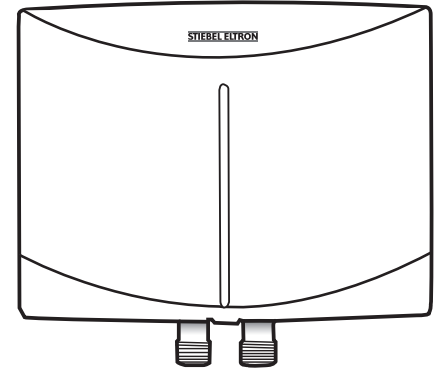
<sup>4</sup> For use with cold water supply only

## Description

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. Featuring an unlimited supply of hot water, an ultra-compact space saving design, major energy savings and proven reliability backed by a 3 year warranty, the Mini™ tankless is perfect for single sink point-of-use applications.

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. Now Mini™ tankless water heaters are made in the USA, rather than our factory in Germany.

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.



- » Commercial
- » Industrial
- » Institutional
- » Residential

- » Office buildings
- » Stores
- » Malls
- » Warehouses
- » Restaurants
- » Gas stations
- » Schools
- » Hotels/Motels
- » Commercial condominiums
- » Manufacturing facilities
- » Bathroom sinks
- » Kitchen sinks
- » Laundry areas
- » Cabins/cottages

**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 for 3/8" O.D. flexible braided stainless steel hose connectors. The units shall ship with a AWG #12 wire harness with a length of 2 ft.