

# STIEBEL ELTRON

Simply the Best

## Mini™ Series

THERMOSTATIC & MECHANICAL  
POINT-OF-USE ELECTRIC TANKLESS  
FOR HANDWASHING

- › Robust, trouble-free, & proven Direct Coil™ Heating Technology
- › Self-cleaning element resists limescale
- › Unlimited supply of warm water
- › Compact design can be mounted above or below fixture with fittings pointing up or down
- › Dry-fire prevention and high limit manual reset



ISO 9001  
CERTIFIED



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



800.582.8423

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

# Small & Reliable Water Heating for Handwashing

## Simple and easy to install

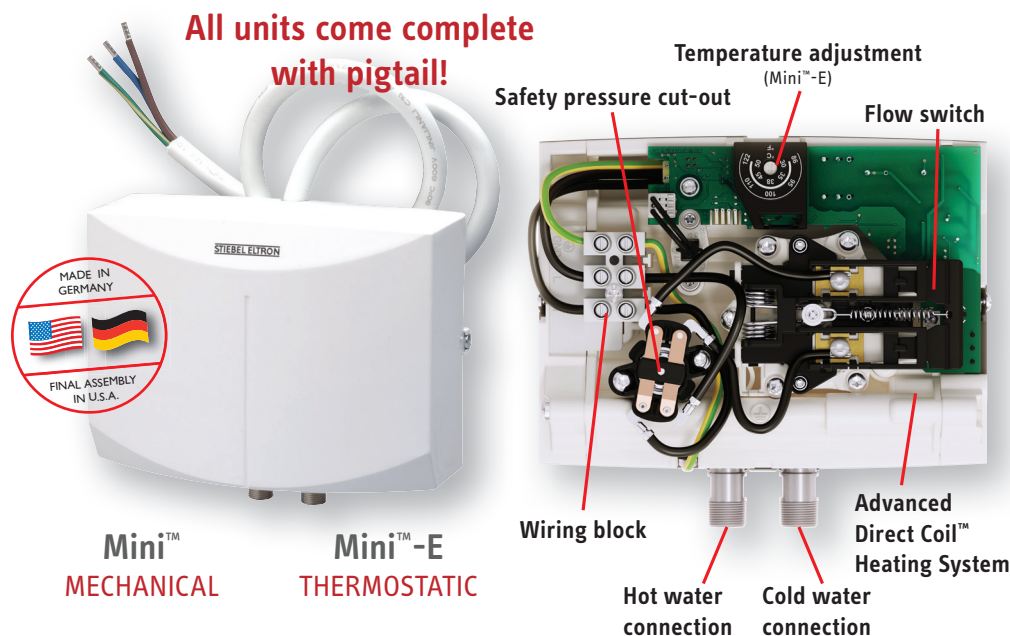
Mini™ water heaters can be located above or below the fixture with water connections pointing up or down. No pressure relief valve, drains, or circulating pumps are needed.

## Industry-leading dry-fire protection

Flow switch control ensures a Mini™ will not dry-fire. Additionally, all Mini™ water heaters are equipped with a safety high-limit with manual reset for the utmost in safety. The combination of meticulous German engineering and the best available materials ensures that every Mini™ is the highest quality. Nobody can compare with our exceptional reliability record and customer support services!

## Liming-resistant Direct Coil™ Technology

The Mini™ was the first of our tankless water heaters in the U.S. and Canada to feature our Direct Coil™ heating system. The efficient nichrome heating elements contained in the glass-fiber reinforced heating chamber are designed to silently vibrate on each start-up. This self-cleaning action confers superior limescale resistance and increased longevity. Designed for many years of trouble-free service, installation after installation has proven the Mini™ has the lowest failure rates of any tankless water heater in the industry.



## Thermostatic Mini™-E Models

Mini™-E thermostatic water heaters are electronically controlled versions of our famous mechanical Mini™ water heaters.

The thermostatic electronic control gives them additional features beyond the capabilities of the mechanical Mini™ models.

## Code-compliant warm water output

The electronic control board in conjunction with an automatic flow rate control allows Mini™-E models to maintain an accurate outlet water temperature, even with pressure fluctuations in the water supply. This makes them eligible for installation where output temperatures must be limited by code.

## Adjustable output temperatures

Mini™-E models are factory set to deliver water at 100 °F (38 °C), but can be field adjusted to a different temperature by the installer and secured to the new setting.

## Multiple sink capability

Mini™-E models 6-2 and 6-3 can be plumbed to supply warm water for hand washing to two sinks in warm climates.

## Booster capability

Because the Mini™-E accepts incoming water up to 122 °F (50 °C), it's a perfect booster for a sink far from the main hot water source. It will supply warm water almost immediately and will shut off once hot water arrives from the remote source and the boost is no longer needed. Its small size can be an asset for installation.



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



Certified to ANSI/UL  
Std. 499  
Mini™: Conforms to  
CAN/CSA E335-1 &  
E335-2-35  
Mini-E™: Conforms to  
CAN/CSA Std. C22.2  
No. 64

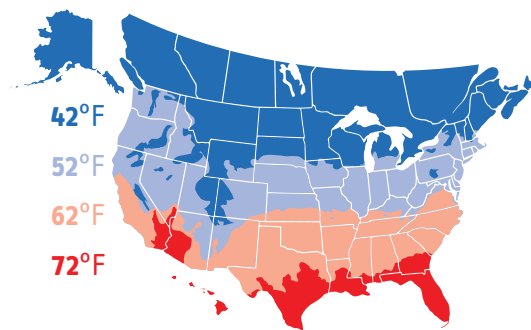


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ANSI/CAN 372 for lead  
free compliance.





This guide shows possible point-of-use fixture or fixtures for use with each Mini™ or Mini™-E. Use actual achievable flow rates to determine if a particular model and size will deliver the temperature and flow rate required for the installed fixture.



## FIXTURES & FLOW RATES

SHOWING POSSIBLE  
MODEL SUITABILITY

TEMP. FOR MAX.  
FLOW RATE  
CALCULATION

**SINGLE LAV SINK**  
(Range 0.5-1.5)



90°F

**MULTIPLE SINKS**  
Number varies

Inlet water temperatures shown are an average for each zone, and may vary both seasonally and by exact location.

Mini™ electric tankless water heaters are the ideal choice for point-of-use handwashing applications.

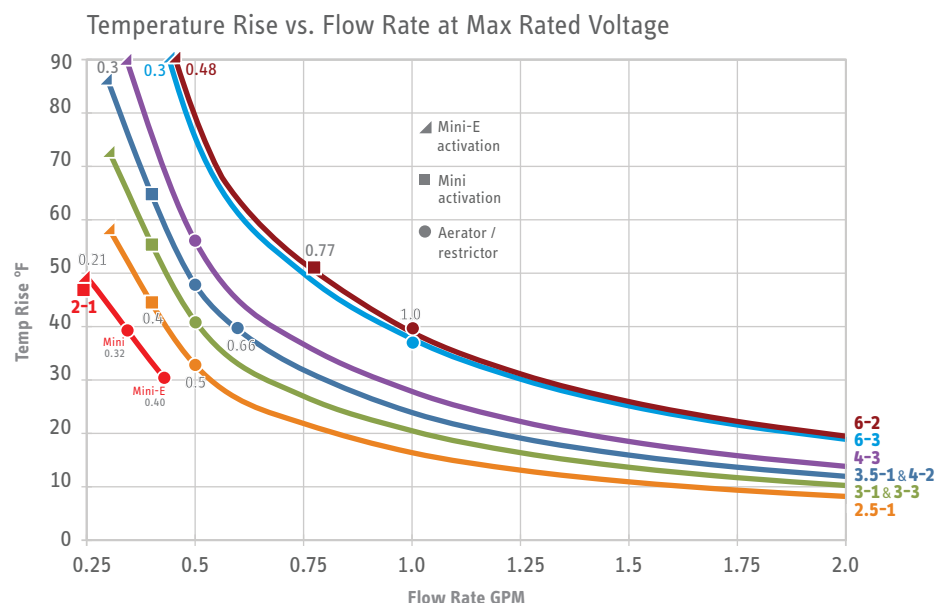
The Mini™ has been sold in the U.S. for closing in on 20 years, and in Europe for longer. For all of those years the failure rate has been less than one-half of one percent. Ask the competition what their failure rate is.

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## Sizing Guide

	42°F	52°F	62°F	72°F
<b>Mini™ 2-1/Mini™-E 2-1</b>   Min. activation 0.21 GPM   Internally restricted to 0.32 / 0.40 GPM				
MAX. FLOW RATE	0.3 GPM	0.3 GPM	0.3 / 0.4 GPM	0.3 / 0.4 GPM
POSSIBLE FIXTURE TYPES				
<b>Mini™ 2.5-1</b>   Min. activation 0.40 GPM				
<b>Mini™-E 2.5-1</b>   Min. activation 0.30 GPM				
MAX. FLOW RATE	0.3 GPM	0.4 GPM	0.6 GPM	0.9 GPM
POSSIBLE FIXTURE TYPES	Mini-E only			
<b>Mini™ 3-1</b>   Min. activation 0.40				
<b>Mini™-E 3-1 OR Mini™-E 3-3</b>   Min. activation 0.30 GPM				
MAX. FLOW RATE	0.4 GPM	0.5 GPM	0.7 GPM	1.1 GPM
POSSIBLE FIXTURE TYPES				
<b>Mini™ 3.5-1 OR Mini™ 4-2</b>   Min. activation 0.40				
<b>Mini™-E 3.5-1 OR Mini™-E 4-2 OR Mini™-E 4-3</b>   Min. activation 0.30 GPM				
MAX. FLOW RATE	0.5 GPM	0.6 GPM	0.85 GPM	1.3 GPM
POSSIBLE FIXTURE TYPES				
<b>Mini™-E 6-3</b>   Min. activation 0.30 GPM				
MAX. FLOW RATE	0.8 GPM	1 GPM	1.3 GPM	2.1 GPM
POSSIBLE FIXTURE TYPES				
<b>Mini™ 6-2</b>   Min. activation 0.77 GPM				
<b>Mini™-E 6-2</b>   Min. activation 0.48 GPM				
MAX. FLOW RATE	0.8 GPM	1 GPM	1.4 GPM	2.2 GPM
POSSIBLE FIXTURE TYPES				Mini: 1 sink Mini-E: 1 or 2 sinks



## Technical Data

MECHANICAL MODELS › Item no.	Mini™ 2-1 231045	Mini™ 2.5-1 232098	Mini™ 3-1 220816		Mini™ 3.5-1 232099	Mini™ 4-2 222039		Mini™ 6-2 220817	
THERMOSTATIC MODELS › Item no.	Mini™-E 2-1 236011	Mini™-E 2.5-1 236135	Mini™-E 3-1 236010	Mini™-E 3-3 206427	Mini™-E 3.5-1 236136	Mini™-E 4-2 236009	Mini™-E 4-3 206428	Mini™-E 6-2 236008	Mini™-E 6-3 206429
Phase - 50/60 Hz	1								
Voltage <sup>1</sup>	120 V	120 V	120 V	277 V	120 V	240 V or 208 V	277 V	240 V or 208 V	277 V
Wattage	1.8 kW	2.4 kW	3.0 kW	3.0 kW	3.5 kW	3.5 kW 2.6 kW	4.1 kW	5.7 kW 4.3 kW	5.5 kW
Amperage draw	15 A	20 A	25 A	11 A	29 A	15 A 13 A	15 A	24 A 21 A	20 A
Min. recommended circuit breaker size <sup>2</sup>	15 A (SP)	20 A (SP)	25 A (SP)	15 A (SP)	30 A (SP)	15 A (DP)	15 A (SP)	25 A (DP)	20 A (SP)
Min. recommended wire size <sup>3</sup> (copper)	14/2 AWG	12/2 AWG	10/2 AWG	14/2 AWG	10/2 AWG	14/2 AWG	14/2 AWG	10/2 AWG	12/2 AWG
Min. flow to activate									
Mechanical units	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	
Thermostatic units	0.21 GPM 0.8 l/min	0.30 GPM 1.15 l/min	0.30 GPM 1.15 l/min	0.30 GPM 1.15 l/min	0.30 GPM 1.15 l/min	0.30 GPM 1.15 l/min	0.30 GPM 1.15 l/min	0.48 GPM 1.8 l/min	0.30 GPM 1.15 l/min
Water temp. range	Electronic units are adjustable from 86-122 °F / 30-50 °C								
Dimensions & Weight	H 6½" (165 mm) x W 7½" (190 mm) x D 3¼" (82 mm)   3.44 lb (1.56 kg)								
Water volume in unit	0.026 gal (0.1 l)								
Working pressure	150 psi (10 BAR)								
Tested to pressure	300 psi (20 BAR)								
Water connections <sup>4</sup>	¾" O.D. flexible braided stainless steel hose connectors								
Uniform Energy Factor (UEF) (Mechanical / Thermostatic)	0.99 / 0.98	0.96 / 0.97	0.94 / 0.97	0.97	0.93 / 0.97	0.95 / 0.99	TBD	0.94 / 0.98	TBD
UEF recovery efficiency	98%								

Mini™ 2-1 is internally restricted to 0.32 GPM / 1.2 l/min. Mini™-E 2-1 is internally restricted to 0.40 GPM / 1.5 l/min.

Mini™ 2-1 & Mini™-E 2-1 ship with a 0.35 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 2.5-1, 3-1 & Mini™-E 2.5-1, 3-1, 3-3, 3.5-1, 4-2, 4-3 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 and a 0.5 GPM pressure compensating flow-reducer/aerator. One must be installed based on desired output temperature.

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

Mini™-E 6-2, 6-3 ship with two 0.5 GPM pressure compensating flow-reducer/aerators that must be installed, plus an additional 1.0 GPM pressure compensating flow-reducer/aerator for use if plumbed to 1 sink.

<sup>1</sup> Nominal mains voltage is 110-120V and 220-240V.

<sup>2</sup> Overcurrent protection sized at 100% of load. 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> Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 122°F.

<sup>5</sup> Do not connect to a salt-regenerated water softener or a water supply of salt water.

These are our recommendations. Check local codes for compliance if necessary.



Conforms to UL Std. 499  
Mini™: Certified to CAN/CSA Std. C22.2 No. 60335-1, E60335-2-35  
Mini™-E: Certified to CAN/CSA Std. C22.2 No. 64



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

ISO 9001  
CERTIFIED



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

All units come  
complete with pigtail!



Mounts Up  
or Down!

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