

STIEBEL ELTRON

Simply the Best

Point-of-Use Tankless for Handwashing



Mini™ Series

POINT-OF-USE

TANKLESS ELECTRIC WATER HEATERS



ISO 9001
CERTIFIED



- › Code-Compliant Thermostatic Model with Electronically Controlled Output Temperature
- › Proven Reliability
- › Exclusive Design Prevents Dry Firing
- › Extremely Compact Design
- › Unlimited Supply of Hot Water

800.582.8423

www.stiebel-eltron-usa.com

Small & Reliable Water Heating for Handwashing

Stiebel Eltron Mini™ tankless water heaters are designed for installation at the point-of-use. Heating water instantaneously as it flows through the unit completely eliminates standby heat losses and saves energy.

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. They have been designed for many years of trouble-free service. Installation after installation has proven they have the lowest failure rates of any tankless water heaters in the industry. Nobody can compare with our exceptional reliability record and customer support services!

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.



7 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



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



**All units come
complete
with pigtail!**

**Mini™-E
THERMOSTATIC**



Thermostatic Mini™-E Models

Mini™-E thermostatic tankless water heaters are the new electronically controlled version of our famous Mini™ tankless electric water heaters for handwashing.

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

Code-compliant hot water output

The electronic control board in conjunction with an automatic flow rate control allow Mini™-E models to come factory set to deliver water at 100°F. They will maintain an accurate outlet water temperature, even if there are 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, but orders can be placed for factory adjustment at custom temperatures. Please inquire regarding specific needs. A Mini™-E can also be field adjusted by the installer and secured to the new setting.

Multiple sink capability

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



Safety pressure cut-out

Advanced Direct Coil Technology™



Wiring block

Hot water connection

Cold water connection

Flow switch

This guide shows possible point-of-use fixture or fixtures for use with each Mini™ or Mini™-E. It is not intended for whole house sizing. 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.

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

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

Sizing Guide

FIXTURES & FLOW RATES

SHOWING POSSIBLE
MODEL SUITABILITY

TEMP. FOR MAX.
FLOW RATE
CALCULATION

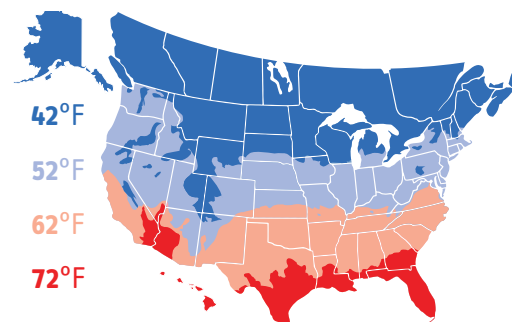
SINGLE LAV SINK
(Range 0.5-1.5)



90°F



MULTIPLE SINKS
Number varies



42°F

52°F

62°F

72°F

Mini™/Mini™-E 2-1

Min. activation 0.21 GPM | Internally restricted to 0.32 / 0.40 GPM

MAX. FLOW RATE

0.26 GPM

0.32 GPM

0.32 / 0.40 GPM

0.32 / 0.40 GPM

POSSIBLE FIXTURE TYPES



Mini™/Mini™-E 2.5-1

Min. activation 0.40 / 0.30 GPM

MAX. FLOW RATE

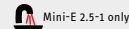
0.34 GPM

0.43 GPM

0.59 GPM

0.91 GPM

POSSIBLE FIXTURE TYPES



Mini™/Mini™-E 3-1

Min. activation 0.40 / 0.30 GPM

MAX. FLOW RATE

0.43 GPM

0.54 GPM

0.73 GPM

1.14 GPM

POSSIBLE FIXTURE TYPES



Mini™/Mini™-E 3.5-1 OR Mini™/Mini™-E 4-2

Min. activation 0.40 / 0.30 GPM

MAX. FLOW RATE

0.50 GPM

0.63 GPM

0.85 GPM

1.33 GPM

POSSIBLE FIXTURE TYPES



Mini™/Mini™-E 6-2

Min. activation 0.77 / 0.48 GPM

MAX. FLOW RATE

0.81 GPM

1.02 GPM

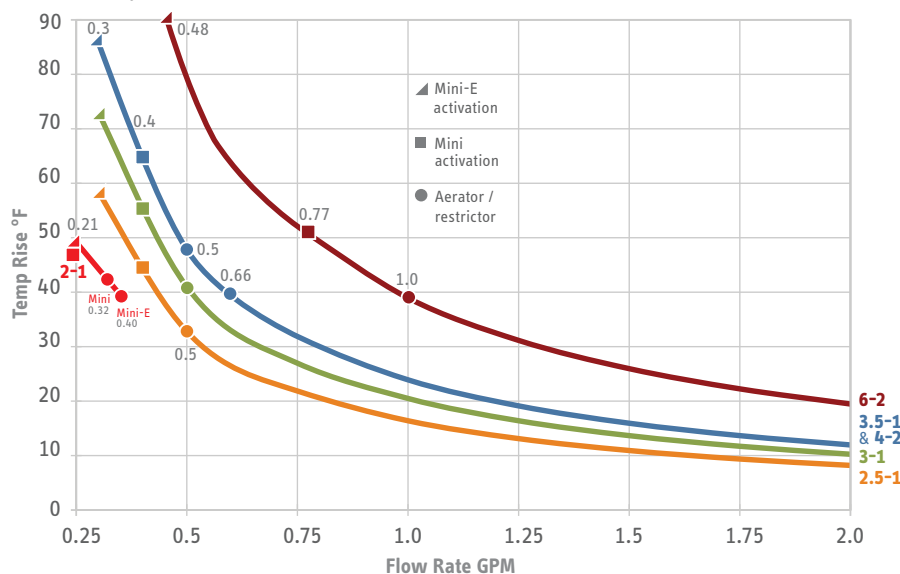
1.39 GPM

2.16 GPM

POSSIBLE FIXTURE TYPES



Temperature Rise vs. Flow Rate at Max. Rated Voltage



Technical Data



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



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



| Mechanical models: | 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: | Mini™-E 2-1 236011 | Mini™-E 2.5-1 236135 | Mini™-E 3-1 236010 | Mini™-E 3.5-1 236136 | Mini™-E 4-2 236009 | Mini™-E 6-2 236008 |
| Phase - 50/60 Hz | 1 | | | | | |
| Voltage ¹ | 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 | 15 A 13 A | 24 A 21 A |
| Min. recommended circuit breaker size ² | 15 A (SP) | 20 A (SP) | 25 A (SP) | 30 A (SP) | 15 A (DP) | 25 A (DP) |
| Min. recommended wire size ³ (copper) | 14/2 AWG | 12/2 AWG | 10/2 AWG | 10/2 AWG | 14/2 AWG | 10/2 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) | 0.48 gpm (1.8 l/min) |
| Water temp. range | Electronic units are adjustable from 86-122°F (30-50°C) | | | | | |
| Energy Factor (EF) (Mechanical / Thermostatic) | 0.98 / 0.97 (UEF) | 1.0 / 0.99 | 0.99 / 0.99 | 0.99 / 0.99 | 0.99 / 1.0 | 0.99 / 1.0 |
| Weight | 3.44 lb (1.56 kg) | | | | | |
| Dimensions | Width 7½" (190 mm) x Height 6½" (165 mm) x Depth 3¼" (82 mm) | | | | | |
| 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 ⁴ | ¾" O.D. flexible braided stainless steel hose connectors | | | | | |

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).
All Mini™ models ship with appropriately sized pressure compensating flow-reducer/aerators that must be installed.

¹ Nominal mains voltage is 110-120V and 220-240V.

² 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.

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

⁴ Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 122°F.



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& 3 years parts.
Complete warranty
online.



All units come
complete with pigtail!

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