Mini™ & Mini™-E Electric Tankless Water Heaters

› Continuous supply of warm water on demand  
› High limit switch with manual reset  
› Easy installation ⅜˝ O.D. flex connections  
› Engineered in Germany to be the best  
› Exclusive design prevents dry firing  
› No T&P relief valve needed (Check local code)  
› 10-year leakage/3-year parts warranty  
› Comes complete with wire pigtail  
› Advanced Direct Coil Technology™

› Correctly sized aerator supplied with unit  
› No standby heat loss with tankless design  
› 99% efficiency  
› Flow switch activated for virtually silent operation  
› Mounts on wall at point-of-use  
› Cold water only line needed to be run to lavatory  
› Compact and designed to be visible or hidden in cabinet  
› Compatible with sensor actuated or metered faucets  
› Tankless design prevents Legionella bacteria growth

Applications

Commercial > Industrial > Institutional  
› Office buildings  
› Gas stations  
› Manufacturing facilities  
› Schools  
› Hotels/Motels  
› Commercial condominiums  
› Warehouses  
› Restaurants  
› Removing areas  
› Laundry areas  
› Cabins/cottages

Residential  
› Bathroom sinks  
› Kitchen sinks  
› Laundry areas  
› Cabins/cottages

Mini™-E is a code-compliant thermostatic model with electronically controlled output temperature.

Specification

The tankless electric water heater shall be equipped with a direct coil 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. The unit shall be certified to ANSI ANSI/UL Std. 499 and shall conform to CAN/CSA E335-1 & E335-2-35 (Mini™ models) or CAN/CSA Std. C22.2 No. 64 (Mini™-E models).

Engineer/Architect ____________________________ Date ____________________________
Job Name/Customer ____________________________ Location ____________________________
Contractor ____________________________ Representative ____________________________
Qty ____________________________ kW ____________________________ Voltage ____________________________ Amps ____________________________ GPM ____________________________
Mini™ model ____________________________
## Specifications

### Technical Data

<table>
<thead>
<tr>
<th>Mechanical models:</th>
<th>Mini™ 2-1</th>
<th>Mini™-E 2-1</th>
<th>Mini™ 2.5-1</th>
<th>Mini™-E 2.5-1</th>
<th>Mini™ 3-1</th>
<th>Mini™-E 3-1</th>
<th>Mini™ 3.5-1</th>
<th>Mini™-E 3.5-1</th>
<th>Mini™ 4-2</th>
<th>Mini™-E 4-2</th>
<th>Mini™ 4.2</th>
<th>Mini™-E 4.2</th>
<th>Mini™ 5-2</th>
<th>Mini™-E 5-2</th>
<th>Mini™ 6-2</th>
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<tr>
<td>Thermostatic models:</td>
<td>231045</td>
<td>236011</td>
<td>232098</td>
<td>236135</td>
<td>228016</td>
<td>236010</td>
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<td>222039</td>
<td>236009</td>
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</table>

### Phase
- 50/60 Hz

### Voltage
- 120 V

### Wattage
- 1.8 kW
- 2.4 kW
- 3.0 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
- 29 A
- 15 A
- 24 A
- 21 A

### Min. recommended circuit breaker size
- 15 A (SP)
- 20 A (SP)
- 25 A (SP)
- 30 A (SP)
- 15 A (DP)
- 25 A (DP)

### Min. flow to activate
- Mechanical units: 0.21 gpm (0.8 l/min)
- Thermostatic units: 0.21 gpm (0.8 l/min)

### Min. recommended wire size
- Copper: 14/2 AWG
- Stainless steel hose connectors: 3/8” O.D.

### 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” (19.0 cm) x Height: 6½” (16.5 cm) x Depth: 3½” (8.2 cm)

### Water volume in unit
- 0.026 gal (0.1 l)

### Minimum pressure
- 30 psi (2 bar)

### Nominal mains voltage
- 110–120 V and 220–240 V

### Circuit breaker size
- 15 A
- 20 A
- 25 A
- 29 A
- 15 A
- 13 A
- 24 A
- 21 A

### Wattage
- 2.6 kW @ 208 V
- 2.4 kW @ 110–120 V
- 3.5 kW @ 220–240 V
- 3.0 kW @ 110–120 V
- 2.6 kW @ 208 V
- 3.5 kW @ 220–240 V
- 2.6 kW @ 208 V
- 3.5 kW @ 220–240 V

### Voltage
- 120 V or 208 V
- 120 V or 208 V
- 208 V
- 208 V
- 208 V
- 208 V
- 208 V
- 208 V
- 208 V

### Temp. rise above incoming water temp. (°F)

<table>
<thead>
<tr>
<th>Model</th>
<th>Heating Capacity</th>
<th>GPM</th>
<th>0.32</th>
<th>0.42</th>
<th>0.48</th>
<th>0.53</th>
<th>0.69</th>
<th>0.85</th>
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<tbody>
<tr>
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<td>Mini™ 2.5-1</td>
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<td>45</td>
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<td>Mini™ 4.2</td>
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<td>Mini™ 6-2</td>
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### Temp. rise above incoming water temp. (°C)

<table>
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### Additional Information
- 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.
- Nominal mains voltage is 110–120V and 220–240V.
- This is our recommendation for overcurrent protection sized at 100% of load. Check local codes for compliance if necessary.
- Mini™ models suitable for inlet cold water supply only.
- Mini™-E models suitable for supply inlet max. 122°F.
Dimensions

Connects to electrical supply with included cable

Flow restricting aerator supplied

Mounts conveniently under the sink

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

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

› Suitable for warm water hand washing at a single sink
› Mini™ models suitable for inlet cold water supply only.
› Mini™-E models suitable for supply inlet max. 122 °F.

MADE IN GERMANY
FINAL ASSEMBLY IN USA

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