

### Mini™ & Mini™-E Technical Specifications

#### Technical Data



Certified to ANSI/UL Std. 499  
Conforms to CAN/CSA E335-1 & E335-2-35



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
<b>Phase</b> - 50/60 Hz	1					
<b>Voltage</b>	120 V	120 V	120 V	120 V	240 V or 208 V	240 V or 208 V
<b>Wattage</b>	1.8 kW	2.4 kW	3.0 kW	3.5 kW	3.5 kW   2.6 kW	5.7 kW   4.3 kW
<b>Amperage draw</b>	15 A	20 A	25 A	29 A	14.6 A   12.7 A	23.8 A   20.6 A
<b>Min. recommended circuit breaker size<sup>1</sup></b>	15 A (SP)	20 A (SP)	25 A (SP)	30 A (SP)	15 A (DP)	25 A (DP)
<b>Min. recommended wire size<sup>2</sup> (copper)</b>	14 AWG	12 AWG	10 AWG	10 AWG	14 AWG	10 AWG
<b>Min. flow to activate</b>						
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
<b>Water temp. range</b>	Electronic units are adjustable from 86-122°F / 30-50°C					
<b>Energy Factor (EF)</b> (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
<b>Weight</b>	3.44 lb / 1.56 kg					
<b>Dimensions (H x W x D)</b>	6½" / 165 mm x 7½" / 190 mm x 3¼" / 82 mm					
<b>Water volume in unit</b>	0.026 gal / 0.1 l					
<b>Working pressure</b>	150 psi / 10 BAR					
<b>Tested to pressure</b>	300 psi / 20 BAR					

**Water connections<sup>3</sup>** 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.

Mini™ 2-1, 2.5-1, 3-1 & Mini™-E 2-1, 3-1 ship with a 0.5 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 3.5-1, 4-2 & Mini™-E 4-2 ship with a 0.66 GPM pressure compensating flow-reducer/aerator that must be installed.

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

Mini™-E 6-2 ships with two 0.5 GPM pressure compensating flow-reducer/aerators that must be installed. Substitute 1.0 GPM pressure compensating flow-reducer/aerator if plumbed to 1 sink.

<sup>1</sup> 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.

<sup>2</sup> Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

<sup>3</sup> Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 122°F.

Scroll for temp. rise charts. ↓

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