STIEBEL ELTRON

Mini™ & Mini-E™

Technical specifications

MECHANICAL MODELS › Item no. THERMOSTATIC MODELS › Item no.	Mini™ 2-1 231045 Mini™-E 2-1 236011	Mini™ 2.5-1 232098 Mini™-E 2.5-1 236135	Mini™ 3-1 220816 Mini™-E 3-1 236010	Mini™-E 3-3 206427	Mini™ 3.5-1 232099 Mini™-E 3.5-1 236136	Mini™ 4-2 222039 Mini™-E 4-2 236009	Mini™-E 4-3 206428	Mini™ 6-2 220817 Mini™-E 6-2 236008	Mini™-E 6-3 206429
Phase - 50/60 Hz	1								
Voltage[1]	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[2]	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[3] (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[4]	⅜″ O.D. flex connector or ⅜″ compression fitting								
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	0.97	0.94 / 0.98	0.96
UEF recovery efficiency	98%								

ELECTRICAL RESISTIVITY & CONDUCTIVITY[5]		
Standard specification at	**≤77 °F (25 °C)**	**>77 °F (25 °C)**
Minimum resistivity ρ ≥	1000 Ωcm	1300 Ωcm
Maximum conductivity σ ≤	100 mS/m / 1000 µS/cm	76.9 mS/m / 769 µS/cm

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.

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

[2] Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load.
Caution: connect only to a circuit protected by a class A ground fault interrupter.

[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.

[5] 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

Scroll for temp. rise charts.

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Temperature rise *vs.* flow rate curves