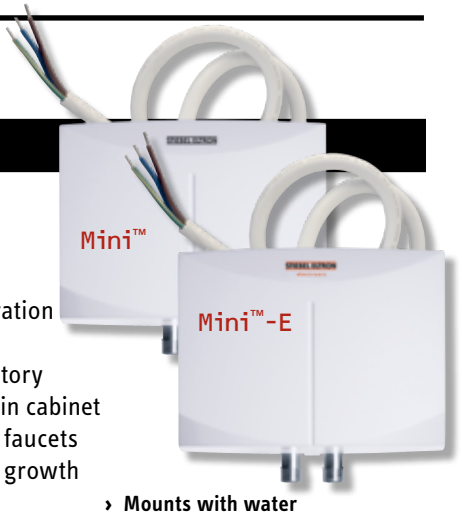
STIEBEL ELTRON

Mini™ & Mini™-E Electric Tankless Water Heaters

› Compact point-of-use model for warm water hand washing at a sink
› Thermostatic models and mechanical models available



Features

- › 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

› Mounts with water connections up or down
› Mounts above or below fixture

Applications

Commercial > Industrial > Institutional

- › Office buildings
- › Stores
- › Malls
- › Warehouses
- › Gas stations
- › Schools
- › Hotels/Motels
- › Restaurants
- › Manufacturing facilities
- › Commercial condominiums

Residential

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

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

Specification

The electric tankless 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 ⅜″ 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 UL Std. 499 and shall conform to CAN/CSA Std. C22.2 No. 60335-1, E60335-2-35 (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					

rev. 11.2024 Due to our continuous process of engineering and technological advancement, specifications may change without notice.

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								
Energy Factor (EF) (Mechanical / Thermostatic)	0.98 / 0.97 (UEF)	1.0 / 0.99	0.99 / 0.99	1.0	0.99 / 0.99	0.99 / 1.0	1.0	0.99 / 1.0	1.0
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. flexible braided stainless steel hose connectors								

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, 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, 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.

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

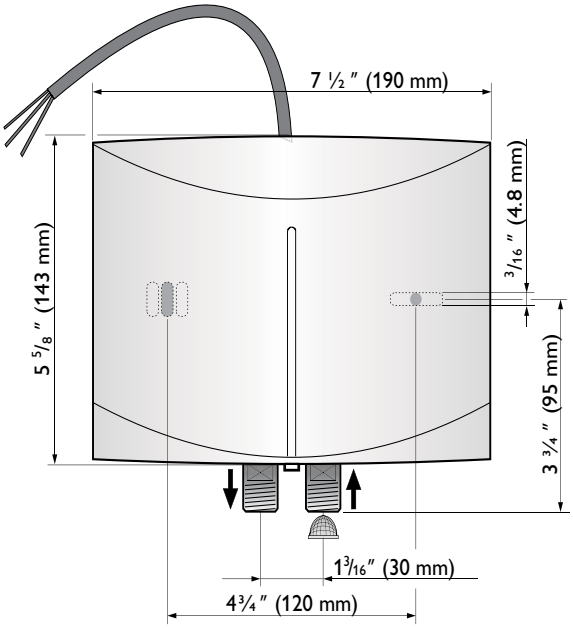
[4] Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 122°F.

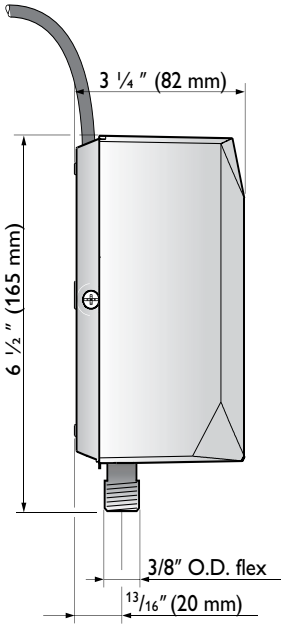
[5] Do not connect to a salt-regenerated water softener or a water supply of salt water.

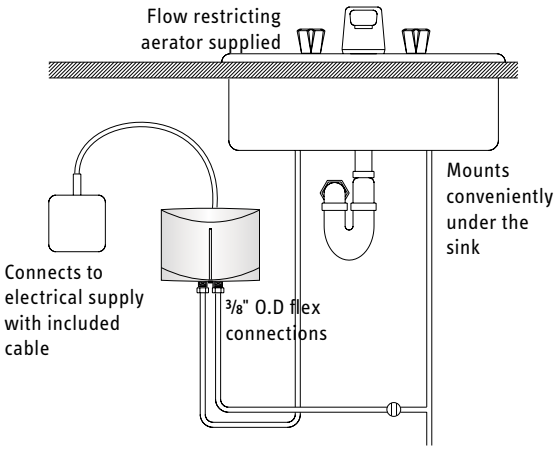
These are our recommendations. Check local codes for compliance if necessary.

		Temp. rise above incoming water temp. (°F) (GPM = kW x 6.83 / Δt)								Temp. rise above incoming water temp. (°C)							
		GPM								l/min							
Unit	**Heating Capacity**	**0.32**	**0.42**	**0.48**	**0.53**	**0.69**	**0.85**	**1.06**	**1.14**	**1.2**	**1.6**	**1.8**	**2.0**	**2.6**	**3.2**	**4.0**	**4.3**
Mini-E 2-1*	1.8 kW @ 110–120 V	39	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-
Mini-E 2.5-1	2.4 kW @ 110–120 V	51	39	34	30	24	19	15	14	28	22	19	17	13	11	8	8
Mini-E 3-1	3.0 kW @ 110–120 V	64	49	43	38	30	24	19	18	36	27	24	21	17	13	11	10
Mini-E 3-3	3.0 kW @ 277 V	64	49	43	38	30	24	19	18	36	27	24	21	17	13	11	10
Mini-E 3.5-1	3.5 kW @ 110–120 V	75	57	50	45	35	28	22	21	42	32	28	25	19	16	12	12
Mini-E 4-2	2.6 kW @ 208 V	55	42	37	33	25	20	16	15	31	23	21	18	14	11	9	8
	3.5 kW @ 220–240 V	75	57	50	45	35	28	22	21	42	32	28	25	19	16	12	12
Mini-E 4-3	4.1 kW @ 277 V	87	67	58	53	41	33	26	25	48	37	32	29	23	18	14	14
Mini-E 6-2	4.3 kW @ 208 V	-	-	61	55	42	34	27	25	-	-	34	31	23	19	15	14
	5.7 kW @ 220–240 V	-	-	81	73	56	45	36	34	-	-	45	41	31	25	20	19
Mini-E 6-3	5.5 kW @ 277 V	117	89	78	71	54	44	35	33	65	49	43	39	30	24	19	18

Dimensions







- **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.**

Intertek

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

10/3 YEAR LIMITED WARRANTY

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

ISO 9001 CERTIFIED

MADE IN GERMANY

FINAL ASSEMBLY IN U.S.A.

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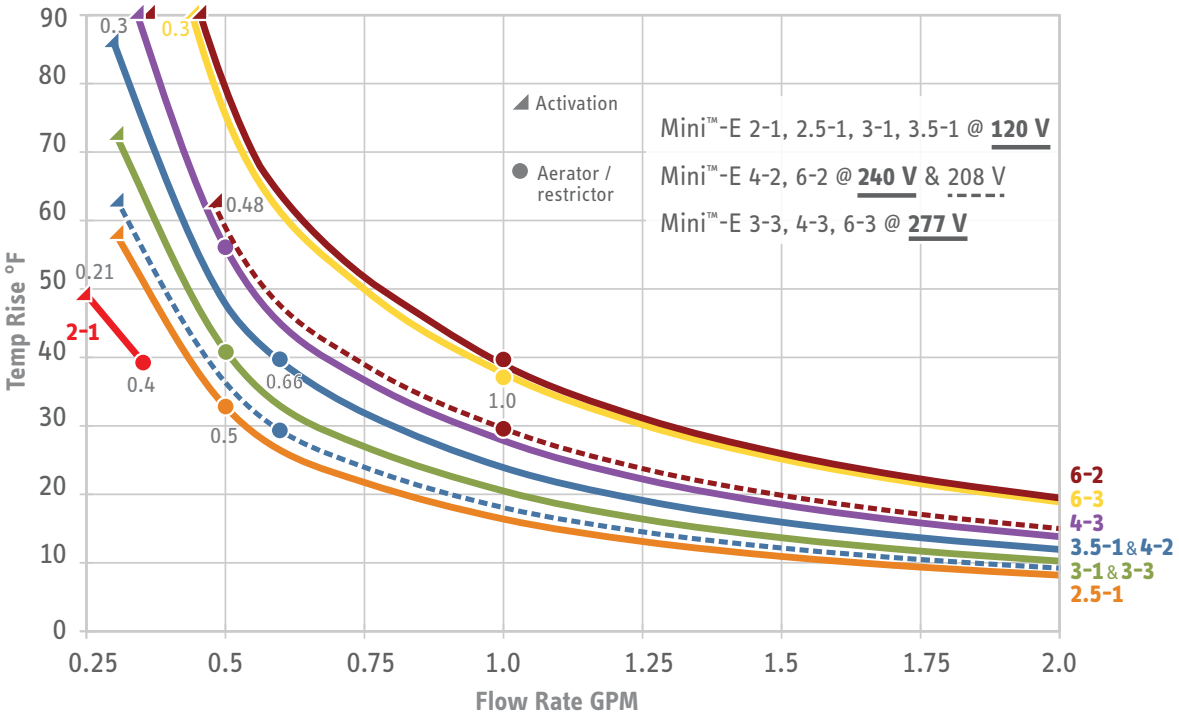
Flow Rate

Mini™-E Temperature Rise vs. Flow Rate



Mini™ Temperature Rise vs. Flow Rate