

Mini™ & Mini-E™

Technical specifications

MECHANICAL MODELS › Item no.	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 › Item no.	Mini™-E 2-1 236011	Mini™-E 2.5-1 236135	Mini™-E 3-1 236010	Mini™-E 3-3 206427	Mini™-E 3.5-1 236136	Mini™-E 4-2 236009	Mini™-E 4-3 206428	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	¾" O.D. flexible braided stainless steel hose connectors										
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		TBD	0.94 / 0.98		TBD
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.

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.

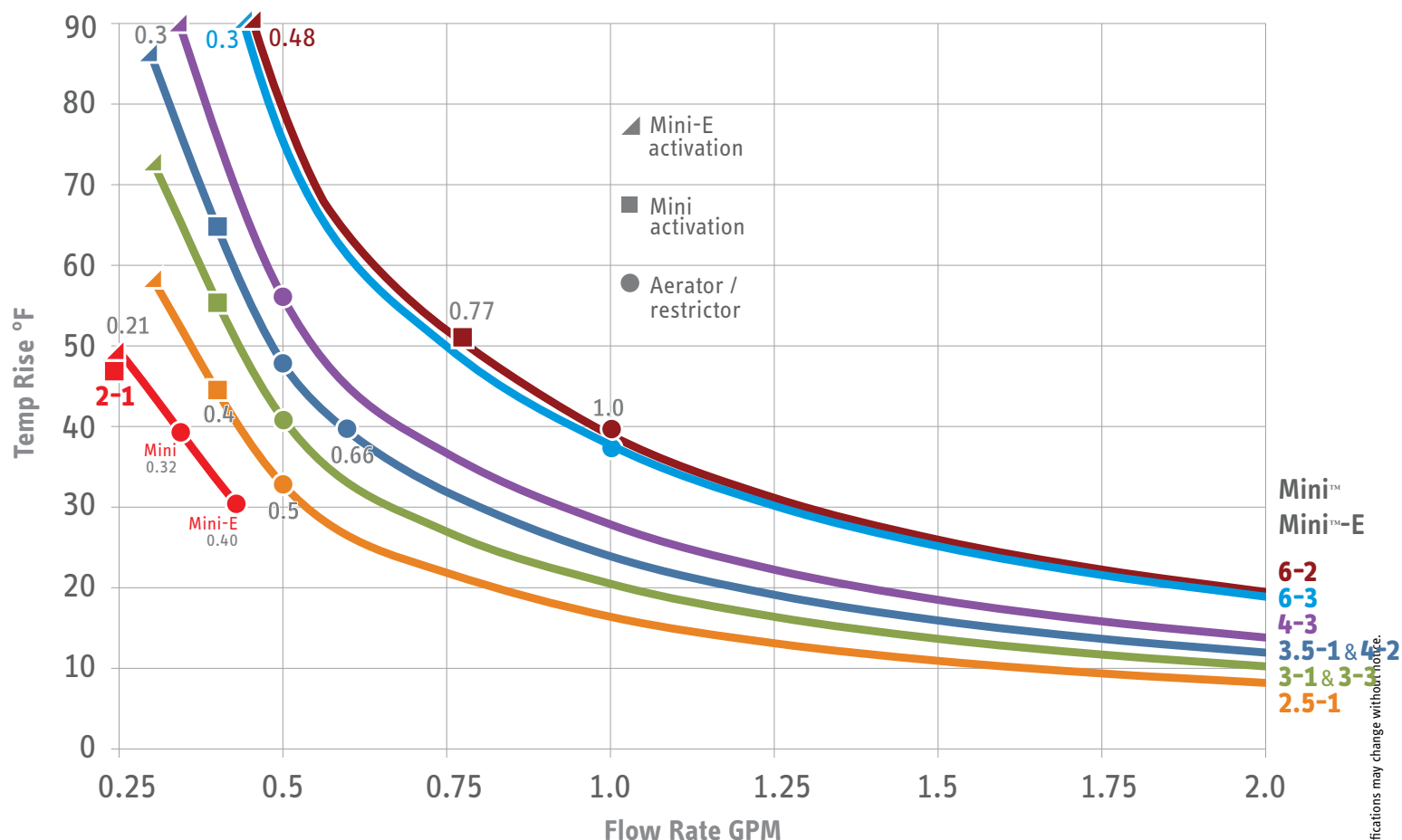
These are our recommendations. Check local codes for compliance if necessary.

Scroll for temp. rise charts. ↓

Mini™ & Mini-E™

Temperature rise vs. flow rate curves

Temperature Rise vs. Flow Rate at Max Rated Voltage



rev. 8.2026 | Due to our continuous process of engineering and technological advancement, specifications may change without notice. technological advancement, specifications may change without notice.