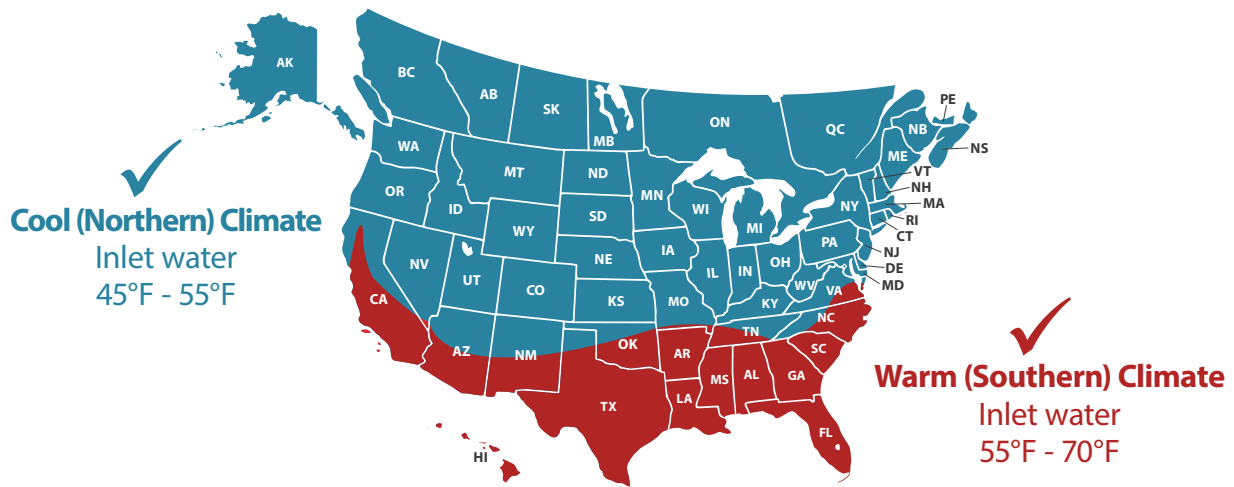


# AQM Sizing Guide Single Hand Washing Sink Tankless Electric Water Heater

Flow	GPM	AQM MODEL					
		AQM 2-1* 120 V Requires 20 A circuit breaker	AQM 2.5-1 120 V Requires 30 A circuit breaker	AQM 3-1 120 V Requires 30 A circuit breaker	AQM 3.5-1 120 V Requires 40 A circuit breaker	AQM 4-2 240 V Requires 20 A circuit breaker	AQM 6-2 240 V Requires 30 A circuit breaker
Ultra-Low	0.32	✓					
Standard	0.50		✓	✓			
Standard	0.66				✓	✓	
High	1.0						✓

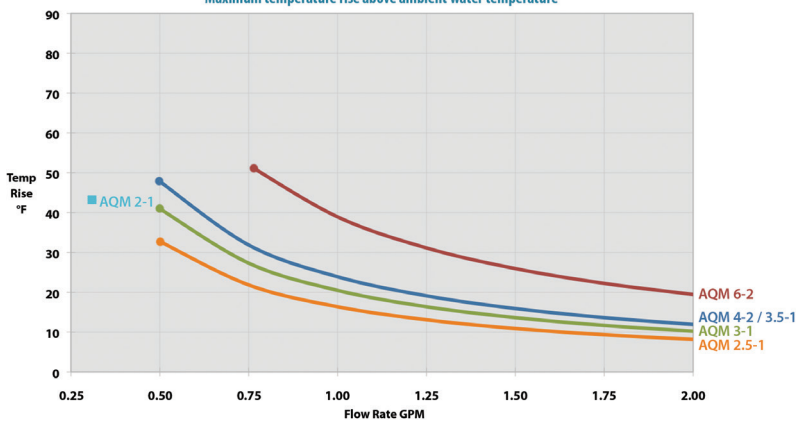
\*AQM 2-1 is internally restricted to 0.32 GPM.  
 AQM 2-1, 2.5-1, 3-1 ship with a 0.5 GPM pressure compensating flow reducer/aerator that must be installed.  
 AQM 3.5-1, 4-2 ship with a 0.66 GPM pressure compensating flow reducer/aerator that must be installed.  
 AQM 6-2 ships with a 1.0 GPM pressure compensating flow reducer/aerator that must be installed.



Recommendations for 240 V units are correct if installed with 240 V service.  
 Increase one model size if unit will be installed with 208 V service.  
 Call Aqua Power® at 800.582.2213 if you have any sizing questions, or another out-of-the-ordinary situation. Aqua Power® service representatives can make recommendations on sizing, or provide assistance with our water heaters, to both homeowners and professional installers.

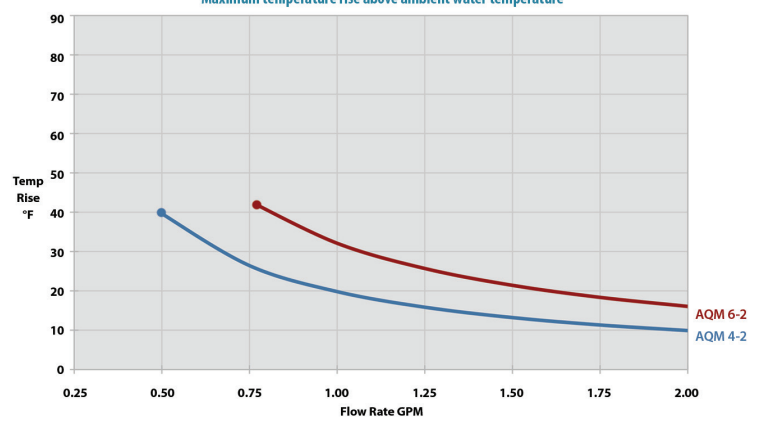
**Temperature Rise versus Flow Rate**

Maximum temperature rise above ambient water temperature



**Temperature Rise versus Flow Rate @ 208 V**

Maximum temperature rise above ambient water temperature



# AQM Series Technical Data



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



The Aqua Power AQM series is tested and  
certified by WQA against NSF/ANSI 372  
for lead free compliance.



Model	AQM 2-1 <sup>2</sup>	AQM 2.5-1	AQM 3-1	AQM 3.5-1	AQM 4-2	AQM 6-2
<b>Item No.</b>	612431	NA	612433	NA	612435	612436
<b>Phase - 60/50 Hz</b>	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 2.9 kW	5.7 kW 4.7 kW
<b>Amperage draw</b>	16 A	21 A	25 A	31 A	15.2 A 13.8 A	24.7 A 22.4 A
<b>Required circuit breaker size<sup>1</sup></b>	20 A	30 A	30 A	40 A	20 A 20 A	30 A 30 A
<b>Required wire size, (copper)<sup>2</sup></b>	12 AWG	10 AWG	10 AWG	10 AWG	12 AWG 12 AWG	10 AWG 10 AWG
<b>Minimum water flow to activate unit</b>	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
<b>Weight</b>	3.44 lb / 1.56 kg					
<b>Dimensions (H x W x D)</b>	6 1/2" / 165 mm x 7 1/2" / 190 mm x 3 1/4" / 82 mm					
<b>Volume of water 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					
<b>Water connections<sup>3</sup></b>	for 3/8" O.D. flexible braided stainless steel hose connectors					

AQM 2-1 models are internally restricted to 0.32 GPM / 1.2 l/min.

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

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

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

<sup>1</sup> This is our recommendation as the manufacturer. 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> Suitable for supply with cold water only.