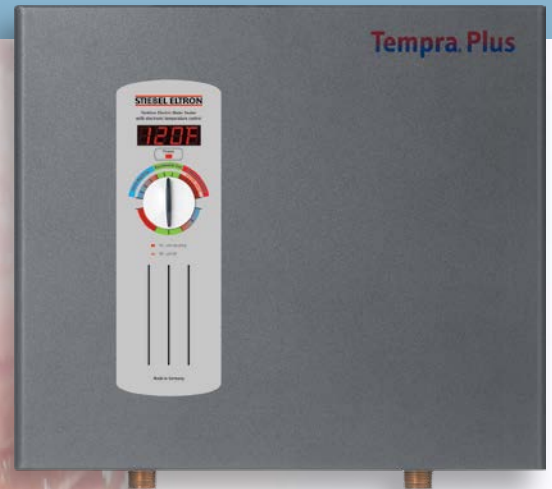


**STIEBEL ELTRON**

Simply the Best

Whole House Comfort



# Tempra® Series

WHOLE HOUSE  
TANKLESS ELECTRIC WATER HEATERS



ISO 9001  
CERTIFIED



- › Proven Reliability from the World-Leader
- › Self-Modulating Energy Technology
- › Exclusive Advanced Flow Control™
- › Unlimited Supply of Hot Water
- › Sleek Space-Saving Design Needs No Venting
- › 7/3-Year Warranty

800.582.8423

[www.stiebel-eltron-usa.com](http://www.stiebel-eltron-usa.com)

## The Best: Tankless Electric Water Heating

# Tempra®

Tempra® is manufactured by Stiebel Eltron, a pioneer and leader in tankless water heating technology for almost 90 years. Advanced technology, impressive energy-saving performance, and a compact design are only a few of the reasons to consider a Tempra® hot water system.

**Saves Energy and Reduces Your Electric Bills |** Changing to a Tempra® tankless system means there are no standby losses that tank-type water heaters are subject to. This results in savings of at least 15-20% in comparison with an electric tank water heater.

**Unlimited Supply of Hot Water |** Because a Tempra® heats water only as it is used, and for as long as it is needed, there is an endless supply of hot water. Nobody runs out of hot water in the shower, even if the showers run extra-long.

**Sleek Design Saves Space |** A Tempra® from Stiebel Eltron completely replaces a conventional tank heater, yet takes up considerably less space, saving valuable living space and providing endless hot water on demand.

**Easy to Install |** Large and bulky hot water tanks are usually placed in a basement or utility room. Because the tank may not be close to where hot water is used, there is a wait for hot water. A Tempra's compact design can be installed close to the hot water taps. When this can be done, in new construction for instance, the wait for hot water becomes as short as possible. Even in a retrofit, where it might not be possible to place a Tempra closer to the hot water draw-off points, its considerably smaller size has many advantages.

**No Venting Required |** Tempra® tankless water heaters are electric and require no venting. This allows for more flexibility when determining the best place for installation.

**Seismic Proof Construction |** Because a Tempra® is a tankless water heating system, it is not subject to seismic building code. There is no need for the preventative construction required with a tank water heater.

**Maximum Output Temperature Limit |** Tempra® Plus tankless water heaters can be set to limit the maximum hot water temperature to 109°F. This can be important in some installations to prevent the possibility of scalding.

**Constant Temperature Output |** Smart microprocessor technology in a Tempra® allows setting the knob on the front cover to the water temperature needed and getting that temperature every time a hot water tap is opened. Our exclusive Electronic Temperature Control ensures a steady output temperature even if flow rates vary up or down. Tankless electric water heaters from other manufacturers don't maintain a steady temperature if the incoming flow varies. A Tempra® always does.

Variable Flow  
Steady Temperature

While Tempra® Plus models have the convenience of a digital display, both models make it easy to get hot water at the desired temperature from hand washing temps of 86°F (30°C) to shower temps of 107°F (42°C), up to 140°F (60°C) for commercial applications.

**Self-Modulating Energy Savings |** All Tempra® models include self-modulating energy technology. Energy output is continually and automatically adjusted to ensure that only the smallest amount of electricity necessary is used to heat the water.



7 years leakage /  
3 years parts.  
Complete warranty online.

Stiebel Eltron has an enviable track record of engineering excellence and product quality. Tempra's proven reliability means you can depend on a Tempra® for many years to come.

Sleek space-saving design delivers endless hot water for a whole house, condo, apartment, or commercial application.



Tempra® Plus



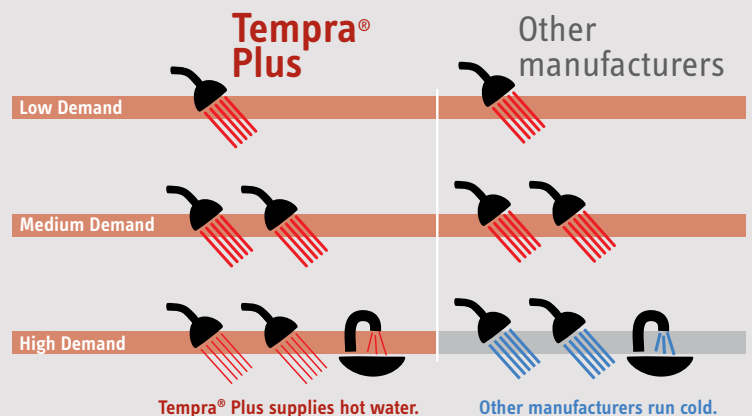
Tempra®



## Advanced Flow Control™

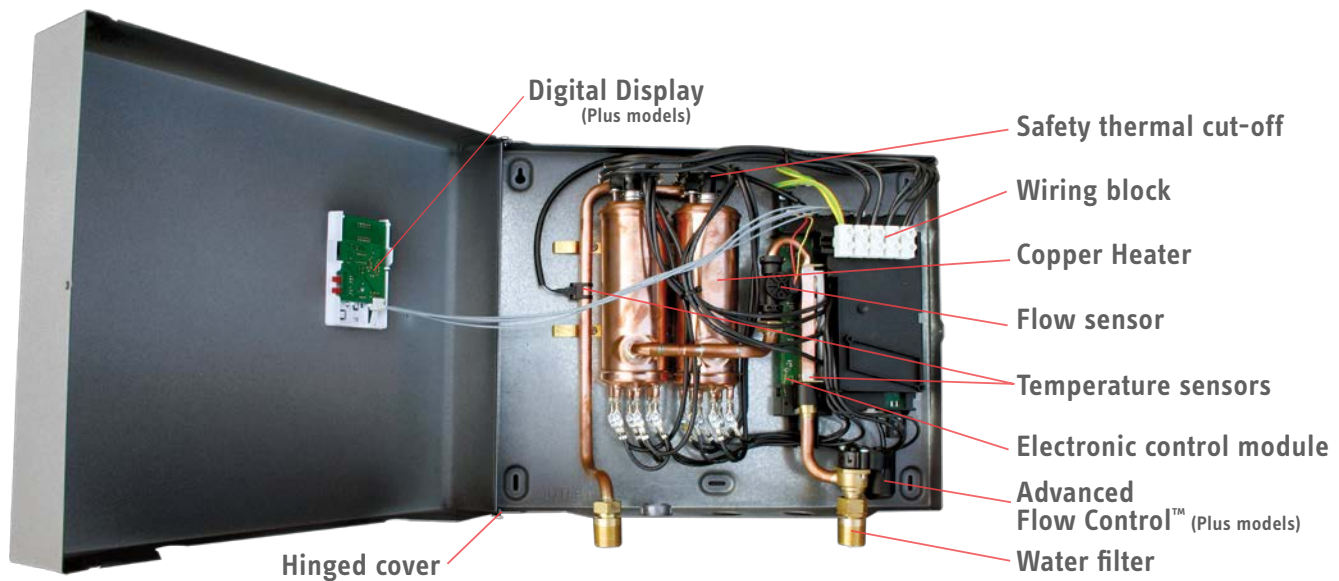
Advanced Flow Control™ was invented by Stiebel Eltron and awarded German patent DE 102004037966 A1, among others. No other manufacturer of tankless electric water heaters has anything like it.

Advanced Flow Control™ is exclusive to our Tempra® Plus models. If the demand asked of a Tempra® Plus is greater than the unit can handle, Advanced Flow Control™ works by slightly reducing the flow of water. Instead of delivering colder water than the set point, a Tempra® Plus automatically delivers slightly less water, but at the correct temperature.



## Performance Matters

### Open the Cover on a Tempra® 24 Plus



A Tempra® has no mechanical switches and is completely silent while operating.

### We've Been Introducing Advanced Technology Since 1924

Stiebel Eltron is proud to have invented tankless electric water heating technology. As the international leader, we continue to be the pioneer in the industry. Our engineering and manufacturing tradition of excellence means that you can depend on the performance and reliability of our products for many years to come.

### Superior, Reliable & Quiet Performance

Each Tempra® has several temperature and flow sensors that feed their readings into the unit's proprietary microprocessor control. A Tempra® continually monitors incoming water temperature and the water temperature it produces. It engages its heating elements in stages to achieve the water temperature you desire as efficiently as possible.

A Tempra® also does not have any mechanical switches. It is completely silent while operating.



# Easy To Size For Every Home

## Find the right size

Hot water needs vary from home to home. Stiebel Eltron's full line of Tempra® tankless water heaters offers a variety of choices to meet all requirements.

The correct size Tempra® largely depends on the temperature of the ground water and the number of bathrooms in a house. It's easy to determine which Tempra® model best satisfies a household's needs.



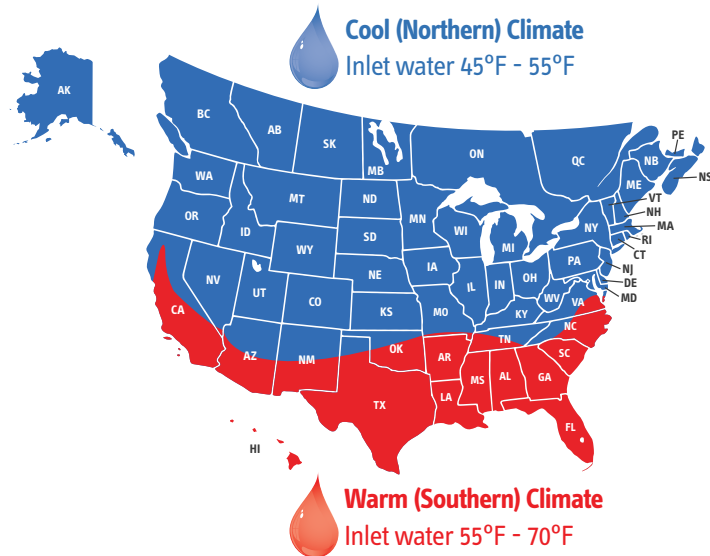
If there are high flow showers, or another out-of-the-ordinary situation, please call or email for advice. Stiebel Eltron service representatives provide assistance and make recommendations on sizing, or any other matter concerning our water heaters, to both homeowners and professional installers.

## Tempra® Sizing Guide Whole House Tankless Electric Water Heater

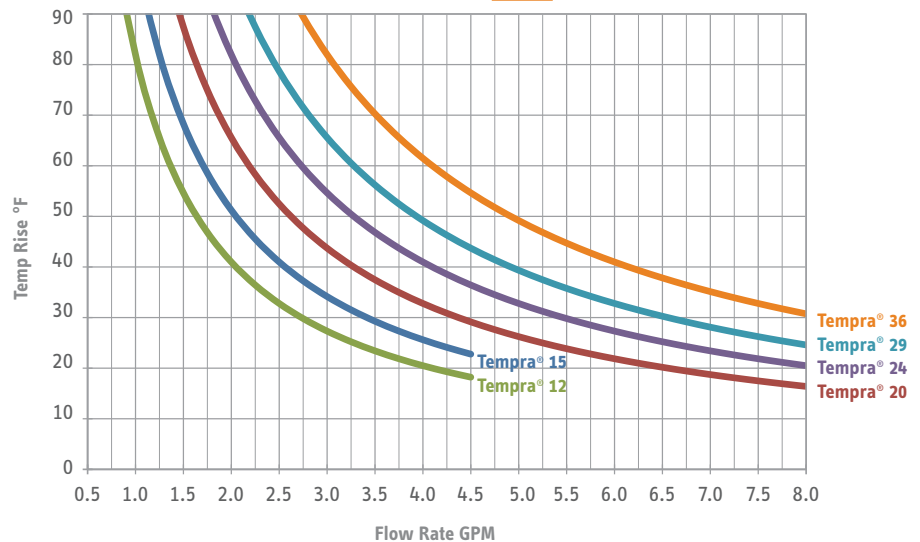
NUMBER OF BATHROOMS WITH SHOWER IN HOUSE / CONDO	TEMPRA® MODEL					
	12/12 Plus DRAWS 50 A Requires minimum 100 A electric service	15/15 Plus DRAWS 60 A Requires minimum 100 A electric service	20/20 Plus DRAWS 80 A Requires minimum 125 A electric service	24/24 Plus DRAWS 100 A Requires minimum 150 A electric service	29/29 Plus DRAWS 120 A Requires minimum 200 A electric service	36/36 Plus DRAWS 150 A Requires minimum 300 A electric service
1 Bath	1 drop *	1 drop	2 drops	2 drops		
2 Baths			2 drops	2 drops	2 drops	
3 Baths					2 drops	2 drops
4 Baths			2 drops	2 drops		2 drops

\*needs low flow showerhead

Install 2 (under 20/20 Plus and 24/24 Plus)



Temperature Rise vs. Flow Rate at **240 V**



# Tempra® Whole House Tankless Electric Water Heaters

## Over 90 Years Of German Technology

### 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.



Model Item Number	Tempra® 12 223420 12 Plus 224196	Tempra® 15 223421 15 Plus 224197	Tempra® 20 223422 20 Plus 224198	Tempra® 24 <sup>3</sup> 223424 24 Plus <sup>3</sup> 224199	Tempra® 29 <sup>4</sup> 232885 29 Plus <sup>4</sup> 223425	Tempra® 36 <sup>5</sup> 232886 36 Plus <sup>5</sup> 223426	
Phase	single 50/60 Hz		single <sup>6</sup> 50/60 Hz	single <sup>6</sup> 50/60 Hz	single <sup>6</sup> 50/60 Hz	single <sup>6</sup> 50/60 Hz	
Voltage	240 V or 208 V		240 V or 208 V	240 V or 208 V	240 V or 208 V	240 V or 208 V	
Wattage	12 kW	9 kW	14.4 kW	10.8 kW	19.2 kW	14.4 kW	
Amperage draw	50 A	44 A	2 x 30 A	2 x 26 A	2 x 40 A	2 x 35 A	
Number & min. recommended size of circuit breakers <sup>1</sup> (DP)	1 x 50 A		2 x 30 A	2 x 40 A	2 x 35 A	2 x 50 A	
Number of runs & min. recommended wire size <sup>2</sup> (copper)	1 x 6/2 AWG		2 x 10/2 AWG	2 x 8/2 AWG	2 x 6/2 AWG	3 x 8/2 AWG	
Maximum temperature increase above ambient water temp	@ 1.50 GPM	54°F	41°F	65°F	49°F	88°F	66°F
	@ 2.25 GPM	36°F	27°F	43°F	37°F	58°F	44°F
	@ 3.00 GPM	27°F	20°F	33°F	25°F	44°F	33°F
	@ 4.50 GPM	-	-	-	-	29°F	22°F
Min. water flow to activate unit	0.37 GPM / 1.4 l/min		0.50 GPM / 1.9 l/min	0.50 GPM / 1.9 l/min	0.50 GPM / 1.9 l/min	0.77 GPM / 2.9 l/min	
Weight	13.5 lb / 6.1 kg		16.1 lb / 7.3 kg	16.1 lb / 7.3 kg	16.1 lb / 7.3 kg	19.0 lb / 8.6 kg	
Nominal water volume	0.13 gal / 0.5 l		0.26 gal / 1.0 l	0.26 gal / 1.0 l	0.26 gal / 1.0 l	0.39 gal / 1.5 l	
Max. inlet water temperature	131°F / 55°C						
Dimensions	WIDTH 16 <sup>5</sup> / <sub>8</sub> " / 42.0 cm x HEIGHT 14 <sup>1</sup> / <sub>2</sub> " / 36.9 cm x DEPTH 4 <sup>5</sup> / <sub>8</sub> " / 11.7 cm						
Working pressure	150 PSI / 10 BAR						
Tested to pressure	300 PSI / 20 BAR						
Water connections	3/4" NPT						

<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> Requires minimum 150 A main service. <sup>4</sup> Requires 200 A main service. <sup>5</sup> Requires 300 A main service.

<sup>6</sup> 29/29 Plus & 36/36 Plus may be wired for balanced 3-phase 208V. 15/15 Plus, 20/20 Plus, 24/24 Plus may be wired for unbalanced 3-phase 208V.



7 years leakage  
& 3 years parts.  
Complete warranty  
online.

## 1924

### Sometimes a "little thing" leads to a whole lot more

Dr. Theodor Stiebel designed the first coil immersion heater and founded "ELTRON Dr. Theodor Stiebel" in 1924 in a small workshop on Reichenberger Strasse in Berlin, Germany.

Since then, Stiebel Eltron has manufactured 20 million tankless electric water heaters, holds hundreds of patents, has won more than fifty design awards, and continues to stay at the forefront of water heating technology.

Distributed by:



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