



Technical Data

 Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. C22.2 No.88

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

 **ISO 9001**
CERTIFIED

STIEBEL ELTRON

Technik zum Wohlfühlen

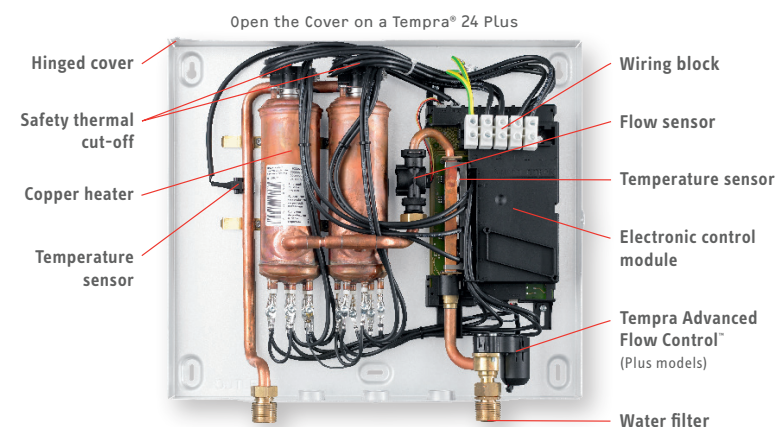
Tempra® Model Item Number	12 Trend ¹ 239213 12 Plus ² 239219	15 Trend ¹ 239214 15 Plus ² 239220	20 Trend ¹ 239215 20 Plus ² 239221	24 Trend ¹ 239216 24 Plus ² 239222	29 Trend ¹ 239217 29 Plus ² 239223	36 Trend ¹ 239218 36 Plus ² 239225
Phase	single 50/60 Hz	single ⁴ 50/60 Hz	single ⁴ 50/60 Hz	single ⁴ 50/60 Hz	single ⁴ 50/60 Hz	single ⁴ 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	240 v or 208 v
Wattage	12 kW 9 kW	14.4 kW 10.8 kW	19.2 kW 14.4 kW	24 kW 18 kW	28.8 kW 21.6 kW	36 kW 27 kW
Amperage draw	50 A 44 A	2 x 30 A 2 x 26 A	2 x 40 A 2 x 35 A	2 x 50 A 2 x 44 A	3 x 40 A 3 x 35 A	3 x 50 A 3 x 44 A
Number & min. recommended size of circuit breakers ¹ (DP)	1 x 50 A	2 x 30 A	2 x 40 A 2 x 35 A	2 x 50 A	3 x 40 A 3 x 35 A	3 x 50 A
Number of runs & min. recommended wire size ² (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	3 x 6/2 AWG
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	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	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	0.39 gal / 1.5 l
Max. inlet water temperature	131°F / 55°C					
Dimensions	WIDTH 16 ¹ / ₈ " / 42.0 cm x HEIGHT 14 ¹ / ₂ " / 36.9 cm x DEPTH 4 ¹ / ₈ " / 11.7 cm					
Working pressure	150 PSI / 10 BAR					
Tested to pressure	300 PSI / 20 BAR					
Water connections	3/4" NPT					

¹ 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.

² Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

³ Requires minimum 150 A main service. ⁴ Requires 200 A main service. ⁵ Requires 300 A main service.

⁶ 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.



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.



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

Tempra® Series

WHOLE HOUSE TANKLESS ELECTRIC
WATER HEATERS



The best of German engineering for your home

- › Made in Germany
- › Proven Reliability from the World-Leader
- › Self-Modulating Energy Technology
- › Unlimited Supply of Hot Water
- › Sleek Space-Saving Design Needs No Venting
- › Exclusive Advanced Flow Control™ under German patent DE 102004037966 A1

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#38EN-11.2018



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.



The Best Electric Water Heating System

Tempra® is manufactured by Stiebel Eltron, a pioneer and leader in tankless water heating technology since 1924. 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® 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.

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.

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 flow varies. A Tempra® always does.

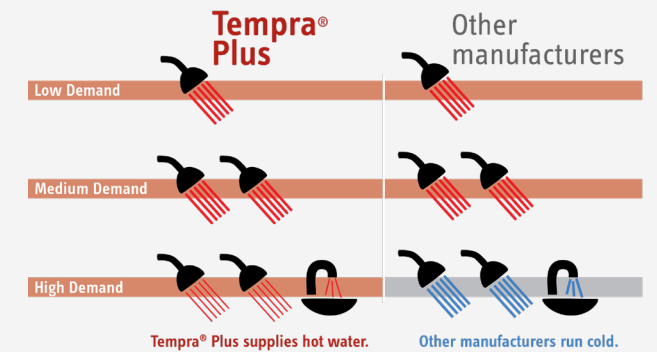
Both Tempra® models have a convenient digital display, making it easy to get hot water at the desired temperature from hand washing temps of 86 °F (30 °C) to shower temps of 107 °F (42 °C), and up to 140 °F (60 °C) for commercial applications.

New Models | Tempra® white models replace the gray models, and have additional features. The Tempra® Trend replaces the Tempra® and has a digital display for accurate temperature delivery and maximum energy efficiency. The Tempra® Plus replaces the same named previous model. It has an enhanced digital display with monitors for cost savings and water flow, and two preset temperature memory keys. The Tempra® Plus continues to have Stiebel Eltron's industry-exclusive Advanced Flow Control™.

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.

Tempra 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, Tempra 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.



Model	Tempra® Trend	Tempra® Plus
Provides continuous hot water on demand	✓	✓
Saves energy with auto-modulation	✓	✓
Digital display for accurate temperature setting	✓	✓
Solid copper heating chambers	✓	✓
Smart microprocessor technology for steady temperature with variable flow	✓	✓
Advanced Flow Control™ - industry-exclusive feature to automatically maintain set temperature even when demand is greater than capacity		✓
Preset temperature memory buttons		✓
Energy monitor showing cost savings		✓
Made in Germany	✓	✓

More information

For more information, contact your nearest distributor: www.stiebeltronamericas.com/en/distributors