STIEBEL ELTRON

Simply the Best

WHOLE HOUSE COMFORT

Tempra®

WHOLE HOUSE
TANKLESS ELECTRIC WATER HEATERS

- PROVEN RELIABILITY FROM THE WORLD-LEADER
- UNLIMITED SUPPLY OF HOT WATER
- SLEEK DESIGN SAVES SPACE
- NO VENTING REQUIRED
- 7/3-YEAR WARRANTY

SAVE ENERGY WATER MONEY

Intertek

WQA

ISO 9001 CERTIFIED

800.582.8423

www.stiebel-eltron-usa.com

STIEBEL ELTRON The Best Electric Water Heating System

Tempra® tankless electric water heaters

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.

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.

Variable Flow

Steady Temperature

Tempra Advanced Flow Control™

Tempra Advanced Flow Control™ was invented by Stiebel Eltron. 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.

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

Tempra® Plus

Tempra®

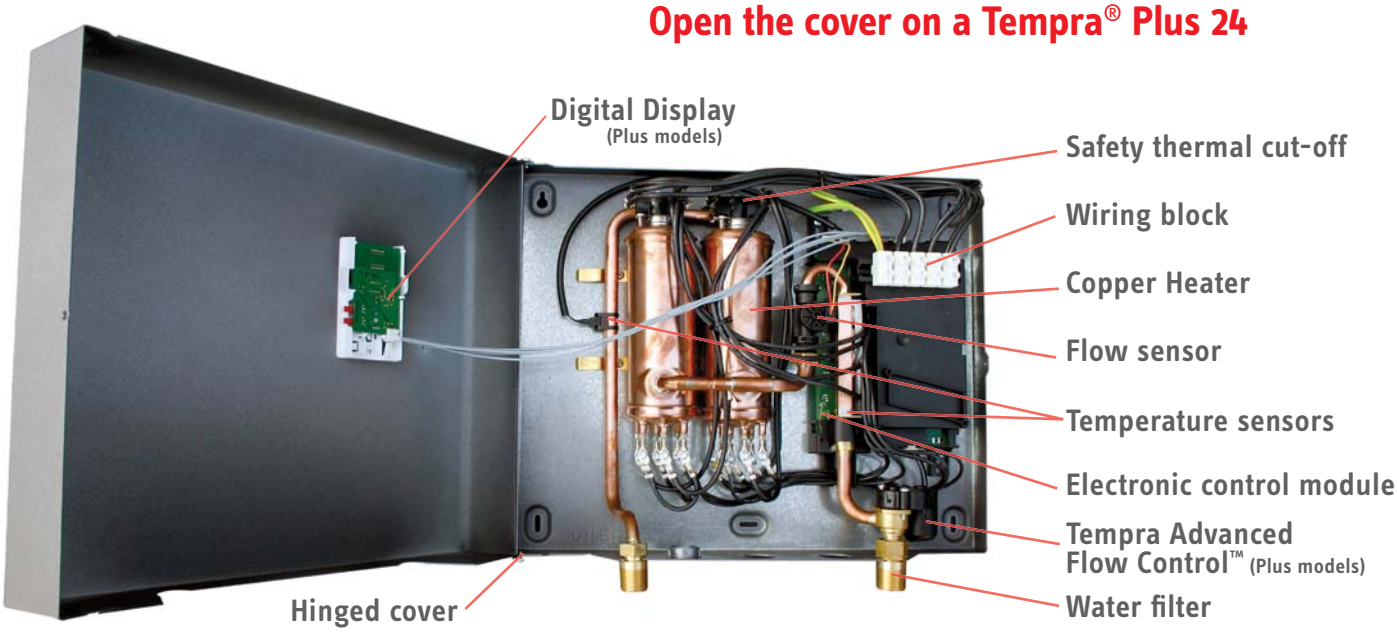
7/3 YEAR LIMITED WARRANTY

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.

Performance Matters

Open the cover on a Tempra® Plus 24



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

We've been introducing advanced technology for 90 years

Stiebel Eltron is proud to have developed tankless electric water heating technology almost 90 years ago. 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

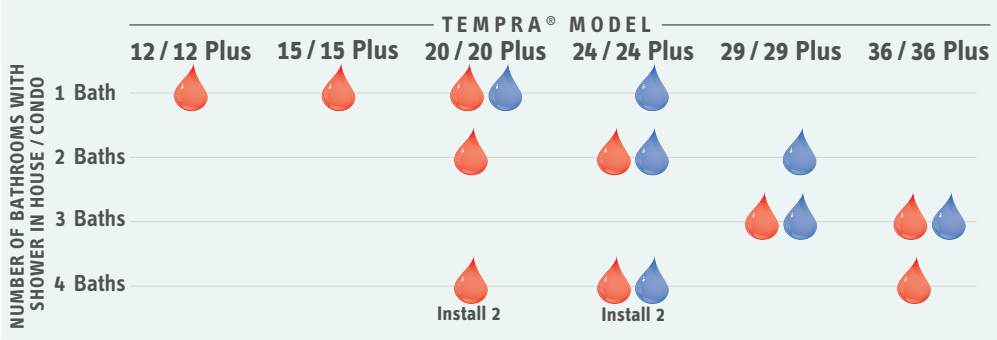
Find the right size

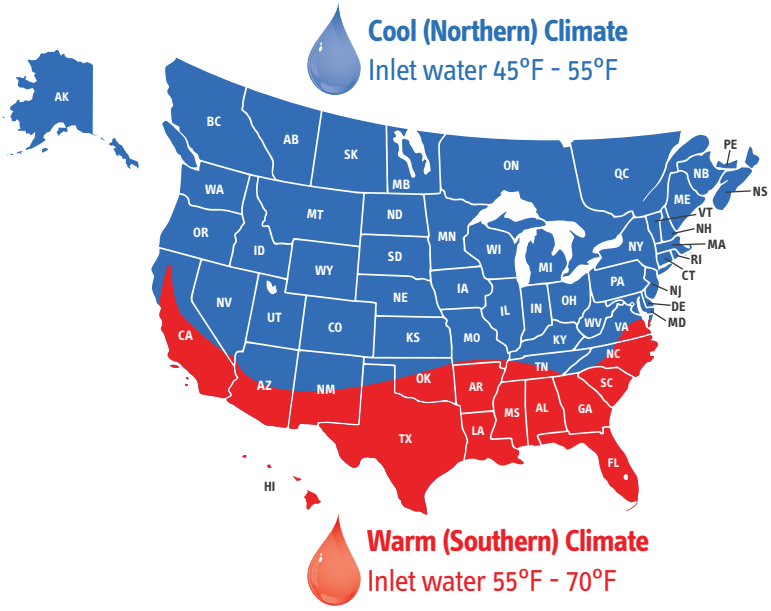
Hot water needs vary from home to home. Stiebel Eltron's full line of Tempra® tankless water heaters offers a variety of choices to meet all requirements.

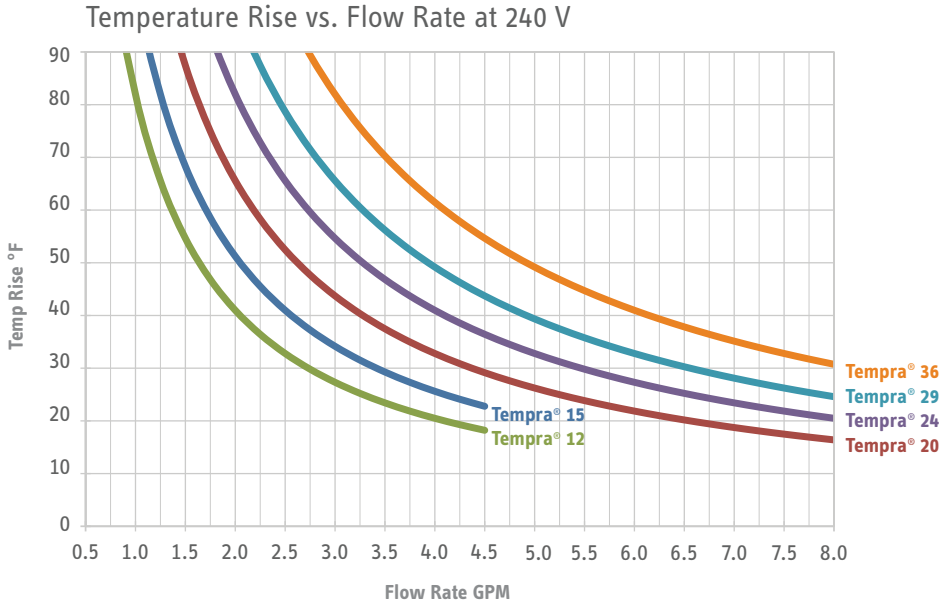
The correct size Tempra® largely depends on the temperature of the ground water and the number of bathrooms in a house. It's easy to determine which Tempra® model best satisfies a household's needs.

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® Tankless Electric Water Heater Sizing Guide







Tempra® & Tempra® Plus

Technical Data

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

The Tempra® series is tested and certified by WQA against NSF/ANSI 372 for lead free compliance.

ISO 9001 CERTIFIED

Model Item Number	Tempra® 12 223420 12 Plus 224196		Tempra® 15 223421 15 Plus 224197		Tempra® 20 223422 20 Plus 224198		Tempra® 24[3] 223424 24 Plus[3] 224199		Tempra® 29[3] 232885 29 Plus[3] 223245		Tempra® 36[4] 232886 36 Plus[4] 223246	
Phase	single 50/60 Hz		single[5] 50/60 Hz		single[5] 50/60 Hz		single[5] 50/60 Hz		single[5] 50/60 Hz		single[5] 50/60 Hz	
Voltage	240 or	208 V	240 or	208 V	240 or	208 V	240 or	208 V	240 or	208 V	240 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
Required number & size of circuit breakers [1] (double pole)	1 x 60 A		2 x 40 A		2 x 50 A		2 x 60 A		3 x 50 A		3 x 60 A	
Required wire size and number of runs[2] (copper)	1 x 6/2 AWG		2 x 8/2 AWG		2 x 8/2 AWG		2 x 6/2 AWG		3 x 8/2 AWG		3 x 6/2 AWG	
Maximum temperature increase above ambient water temp @ 1.50 GPM	54°F	41°F	65°F	49°F	88°F	66°F	92°F	82°F	92°F	92°F	92°F	92°F
@ 2.25 GPM	36°F	27°F	43°F	37°F	58°F	44°F	73°F	54°F	87°F	66°F	92°F	82°F
@ 3.00 GPM	27°F	20°F	33°F	25°F	44°F	33°F	54°F	41°F	66°F	49°F	82°F	61°F
@ 4.50 GPM	-	-	-	-	29°F	22°F	37°F	27°F	44°F	33°F	55°F	41°F
Min. water flow to activate unit	0.37 GPM / 2.2 l/min		0.58 GPM / 2.2 l/min		0.58 GPM / 2.2 l/min		0.58 GPM / 2.2 l/min		0.87 GPM / 3.3 l/min		0.87 GPM / 3.3 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 5/8″ / 42.0 cm x HEIGHT 14 1/2″ / 36.9 cm x DEPTH 4 5/8″ / v11.7 cm											
Working pressure	150 PSI / 10 BAR											
Tested to pressure	300 PSI / 20 BAR											
Water connections	¾″ NPT											

[1] This is our recommendation as the manufacturer. 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 a 200A main service. [4] Requires a 300A main service.
[5] 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.

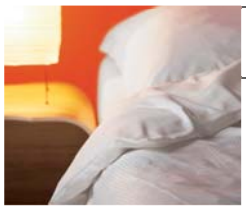
Stiebel Eltron Family of Energy Saving Products

Compact point-of-use water heaters.

HOT WATER SOLUTIONS

Mini™ Tankless

SHC™ Mini-tank



Stylish wall-mounted electric fan heaters.

SPACE HEATING

CK 15E / 20E

Stiebel Eltron's plant in Holzminden, Germany

Stiebel Eltron has been a world leader in the development of advanced water heating technology for almost 90 years. Our pursuit of engineering excellence and high-quality manufacturing results in products fulfilling the highest expectations of performance & reliability.

They are...**Simply the Best.**

RENEWABLE ENERGY

Collectors

Storage Tanks

Pump Stations

Solar thermal domestic hot water systems and accessories, plus radiant floor heating systems.

Accelera 300® Heat Pump Water Heater

Water heater with true heat pump technology that turns every watt into 3-5 watts of hot water.

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