

STIEBEL ELTRON

Simply the Best

Tankless Water Heater Accessories

**Anti-Scale Hard Water Conditioner
with Template Assisted Crystallization**



Isolation Valve Kit



Descaling Kit



Accessories

FOR TANKLESS ELECTRIC
WATER HEATERS

- › Prevent Scale and Sediment Buildup
- › Simplify Maintenance Procedures
- › Extend Service Life
- › Maintain Performance

800.582.8423

www.stiebel-eltron-usa.com

- › Simplify maintenance
- › Maintain performance
- › Protect your investment

Tankless water heater accessories from Stiebel Eltron offer protection and ease of maintenance

Isolation Valve Kit

- › Allows easy servicing & maintenance
- › Easy to install

Isolating valves make it easy to service a tankless electric water heater and clean the cold water inlet filter screen. Our kit puts all the components needed in an easy-to-install package.

Pressure relief valve is included for use in unique situations but are not required for most tankless water heater installations.

- › Lead-free construction
- › 3/4" NPT connections
- › Includes inlet & outlet isolating valves & pressure relief valve



Flow-aide Descaling Kit

- › Removes mineral scale, lime, and rust
- › Restores lost performance

If a tankless water heater has lost performance due to hard water mineral deposits, a Flow-aide tankless descaling kit offers the answer. Featuring a biodegradable descaling solution and submersible pump for easy operation, the Flow-aide descaling kit may also be used as routine preventative maintenance or as part of a complete system with the Scale TAC-ler water conditioner.

Flow-Aide fluid is available by the quart as a refill kit.

- › Lead-free construction
- › 3/4" NPT connections for easy use
- › Biodegradable and eco-friendly
- › Safe for potable water lines
- › 20x stonger than citric acid-based or vinegar cleaners



Scale TAC-ler

Template Assisted Crystallization Water Conditioner

- › Salt-free water conditioner compatible with all tankless and conventional tank-style water heaters
- › Most effective of all non-salt water conditioners at preventing mineral scale
- › Nothing reduces water heater efficiency more than mineral scale

Scale TAC-ler water conditioner is compatible with all tankless and conventional tank-style water heaters. Scale TAC-ler is installed on the cold water inlet of the water heater, where it treats the water entering the water heater. It will provide protection for flow rates up to 6 gallons per minute.

Hard water mineral scale accumulating on heating elements slowly reduces performance. It affects both heat transfer and water pressure. Preventing mineral scale formation ensures your water heater's optimal performance, increasing service life, and possible preventing premature failure.

If water hardness exceeds 7 grains per gallon (GPG) or 120 mg/l (PPM) hard water treatment should be considered. If hardness exceeds 12 GPG or 200 mg/l (PPM), treatment is strongly recommended. Water heaters with existing mineral scale build-up should be treated with the Flow-Aide de-scaling system to restore original performance. Scale TAC-ler will prevent future mineral build-up.

- › Protects from harmful hard water scale
- › Protects manufacturer's warranty coverage
- › Protects equipment investment
- › Ensures optimal performance and efficiency
- › Maintains water pressure and flow rates
- › Does not add chemicals to the water
- › Does not change the taste, smell, or feel of the water
- › Environmentally friendly
- › Simple installation
- › No daily maintenance
- › No salt, backwashing, chemical regeneration, or brine discharge
- › Does not remove beneficial minerals
- › Ideal for all tankless or tank-type water heaters
- › Built-in sediment pre-filter

How It Works

Scale TAC-ler salt-free water conditioners use a specialized polymeric bead medium that serves as a catalyst for the formation of calcium and magnesium carbonate nano-crystals. Instead of forming hard mineral scale on surfaces, these microscopic crystals of calcium and magnesium carbonate remain suspended in solution and pass through to the drain. This process is called Template Assisted Crystallization, or "TAC." A university study determined that TAC technology was the most effective of all non-salt water conditioners at preventing mineral scale, with reduction levels consistently in excess of 90%. TAC technology passes the German DVGW W512 standard for water treatment.



These pictures show water heating elements exposed to hard water.

Note the mineral build-up on the element exposed to untreated water vs. the element protected by TAC treatment.



Untreated

TAC Protected

Scale TAC-ler Water Conditioner Technical Data

Model	Scale TAC-ler
Item number	692442
Filter type	Template Assisted Crystallization (TAC)
Max. treatment service flow rate	6.0 gpm (22.7 l/min)
Max. flow rate through device	10.0 gpm (37.85 l/min)
Max. water pressure	90 psi (6.2 bar)
Min. water pressure	30 psi (2 bar)
Temperature range	40–100 °F (4–38 °C)
Dimensions (H x W x D)	24½" x 18½" x 8" (622 x 460 x 203 mm)
Connection type	¾" NPT
Valve type	Ball
Material	Plastic
Approx. cartridge life	2 years
Replacement filter cartridge	Item Number 692443
pH range	6.5–8.5
Optimal hardness level for treatment	0.4–1.8 gpg (7–30 mg/l)
Max. treatable hardness level	75 gpg (1,283 mg/l [ppm])
Max. acceptable levels of contaminants in incoming water	Chlorine: < 3 mg/l (ppm) Hydrogen Peroxide: < 0.5 mg/l (ppm) Iron: < 0.3 mg/l (ppm) Manganese: < 0.05 mg/l (ppm) Copper: < 1.3 mg/l (ppm) Hydrogen Sulfide (H ₂ S): must be removed Polyphosphates and Oils: must be removed
Water treatment certification	NSF/ANSI 61

Isolation Valve Kit Technical Data

Model	Lead-free Brass Isolation Valve Kit
Item number	540444
Connection type	¾" NPT
Kit includes	Inlet Isolating Valve Outlet Isolating Valve Pressure Relief Valve
Valve type	Ball
Material	Forged Brass
Water treatment certification	NSF/ANSI 61-G & NSF/ANSI 372

Flow-Aide Descaling Kit Technical Data

Model	Flow-Aide Descaling Kit
Item Number	540000
Flow-Aide fluid refill	1 Qt. Item #540002
Connection type	¾" NPT
Kit includes	3½ gal. bucket 350 gph pump 2 5'-hoses 1 qt. solution
Water treatment certification	NSF/ANSI 60

Stiebel Eltron Family of Energy Saving Water Heating Products



Efficient tankless electric water heaters

Tankless Water Heating



Point-of-use Tankless



Whole House Tankless



Stiebel Eltron's plant in Holzminden, Germany.

Stiebel Eltron has been a world leader in the development of advanced water heating technology since 1924. Our pursuit of engineering excellence and high-quality manufacturing results in products fulfilling the highest expectations of performance and reliability. They are...**Simply the Best.**

Renewables



Solar hot water



Heat Pump Water Heaters



Low carbon, renewable energy domestic hot water systems

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

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