

STIEBEL ELTRON

Simply the Best

Tankless Water Heater Accessories

Anti-Scale Hard Water Conditioner | Descaling Kit
Isolation Valve Kit

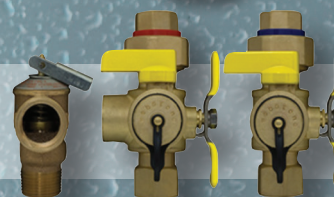
- › Prevent Scale and Sediment Buildup
- › Simplify Maintenance Procedures
- › Extend Service Life
- › Maintain Performance

Anti-Scale Hard Water Conditioner

with
Template Assisted
Crystallization



Isolation Valve Kit



Descaling Kit



800.582.8423

www.stiebel-eltron-usa.com

Scale TAC-ler Plus

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.

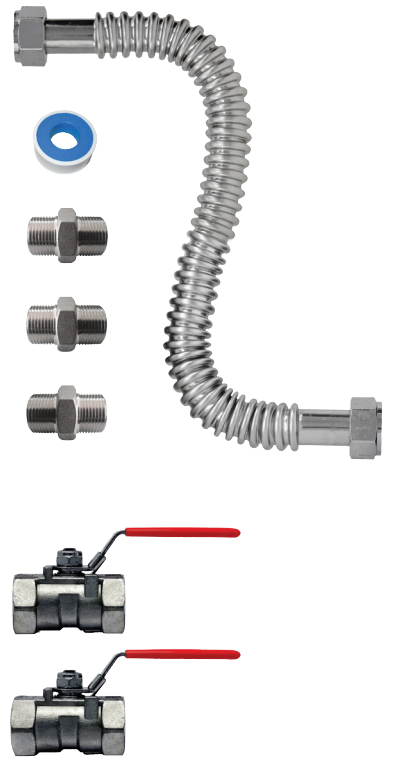
Hard water mineral scale accumulating on heating elements slowly reduces performance. It affects both heat transfer and water pressure. Preventing mineral scale formation ensures your water heater’s optimal performance, increasing service life, and possible preventing premature failure.

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.

- › Ideal for all tankless or tank-type water heaters
- › Protects from harmful hard water scale
- › Protects equipment investment & warranty coverage
- › 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
- › Built-in sediment pre-filter

How Scale TAC-ler 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.



Scale TAC-ler Premium Installation Kit is available as an optional accessory. Kit consists of stainless steel ball valves and fittings and flexible pipe.

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

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

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

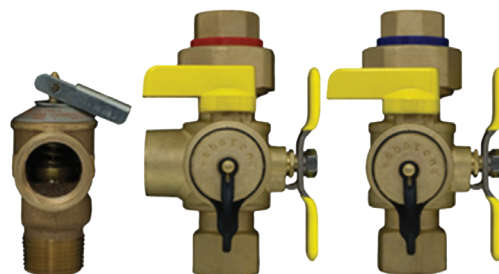
Isolation Valve Kit

- › 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 Water Conditioner Technical Data

Model	Scale TAC-ler Plus
Item number	692500
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 8" x 8" (622 x 203 x 203 mm)
Connection type	¾" NPT
Valve type	Ball
Material	Plastic
Approx. cartridge life	2 years
Replacement filter cartridge	Item Number 692443 or 692502
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

Model	Scale TAC-ler Premium Installation Kit
Item number	692501
Connection type	¾" NPT
Kit includes	Flexible pipe, fittings, ball valves, teflon pipe joint tape
Material	Stainless Steel

Distributed by:

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 has been a world leader in the development of advanced water heating and energy saving technology for almost 100 years. 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.**

STIEBEL ELTRON

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