globalwater solutions ltd.

OneStop Plus™

OneStop Plus™

Anti-Scale & Heavy Metal Reduction Systems

- **Introduction**
- What is scale?
- How does OSP work?
- Product Features
- Original OneStop™
- Heavy Metals
- Limitations
- Applications
- Competing Products
- Customer Testimonials

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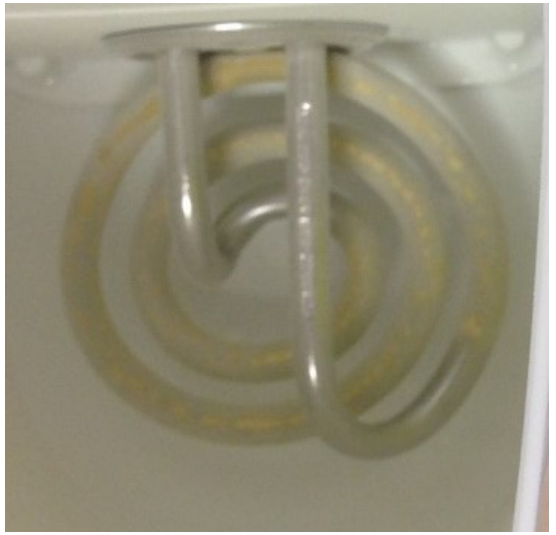
Scale, also known as **limescale,** is the chalky off-white crust inside your kettle and boiler and stains kitchen and bathroom surfaces. Scientifically, **limescale** is a deposit of calcium carbonate and a residue left behind by hard water.



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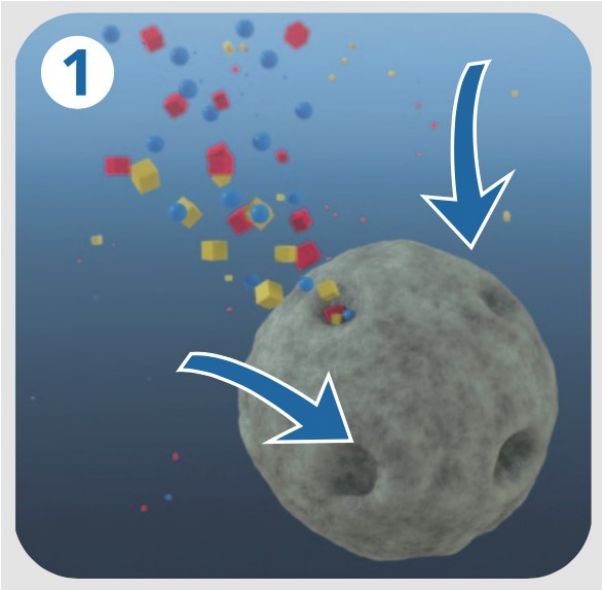
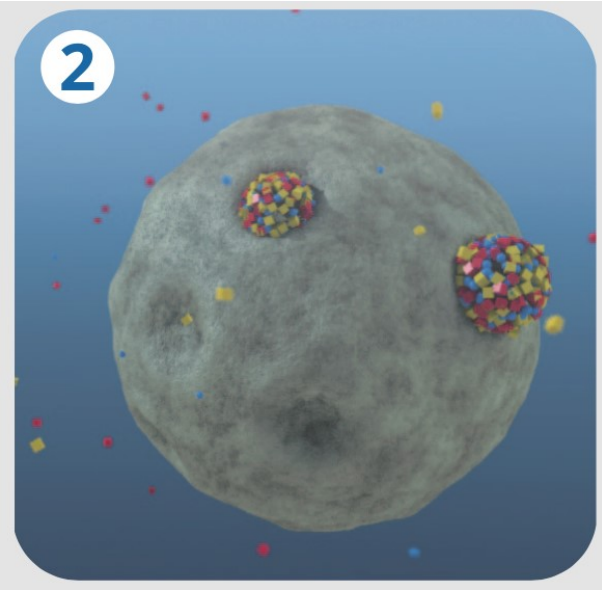
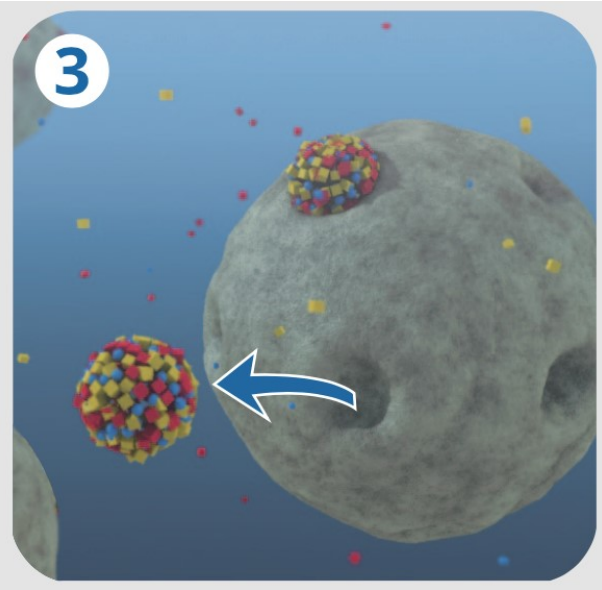
TAC converts dissolved temporary hardness ions into microscopic Nano-crystals.



Temporary Hardness Ions Attach to the Resin Bead



Nano-Crystals Form on TAC Nucleation Sites



Nano-Crystals Detach and Reenter Flow of Water

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Microscopic View of Nano-Crystal Forming on TAC Nucleation Sites

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The media works in an upflow configuration. The hard water flows up through the media bed, allowing the hardness ions to come in contact with the resin, at which point the template assisted crystallization process begins.

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Environmentally Friendly

- No water waste from backwashing
- No regeneration
- No salt required
- Increases the efficiency of boilers and all other equipment in contact with the treated water
- Can be used in continuous or intermittent operation

Retains Essential Minerals

- Converts the limescale into harmless crystals
- Reduces existing limescale deposits
- Prevents scaling without using chemicals
- For drinking water

Reduces Heavy Metals

- Reduces copper, lead, mercury, zinc and cadmium levels

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OSP-10SB / OSP-10SN

3 LPM (0.8 GPM)

OSP-10JB / OSP-10JN

8 LPM (2.1 GPM)

OSP-20JB / OSP-20JN

15 LPM (4.0 GPM)

OSP-CT

38 LPM (10.0 GPM)

POU Systems for domestic and light commercial applications

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OSP media can be loaded into SpringTech Tanks* and/or multiple units can be installed in parallel for high flow or commercial applications

Proposed OSP Part Numbers	Flow Maximum Efficiency [l/min]	Flow Maximum Efficiency [Gal/min]
OSP-V735	30	8
OSP-V835	38	10
OSP-V935	45	12
OSP-V1054	76	20
OSP-V1252	114	30
OSP-V1465	190	50
OSP-V1665	284	75

*Tank color may vary.

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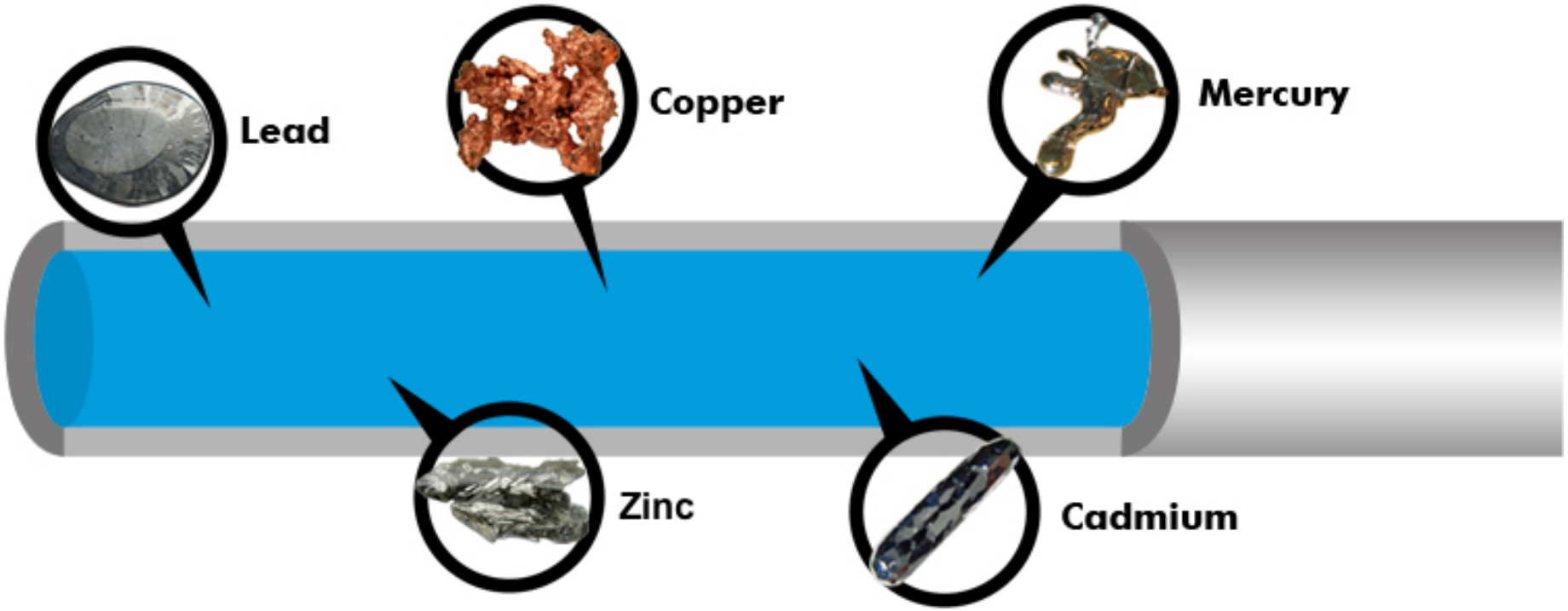

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Residential Applications

- Dishwashers
- Washing machines
- Ice Machines
- Reverse Osmosis Drinking Water Systems
- Coffee Brewers
- Bathroom sinks
- Showers

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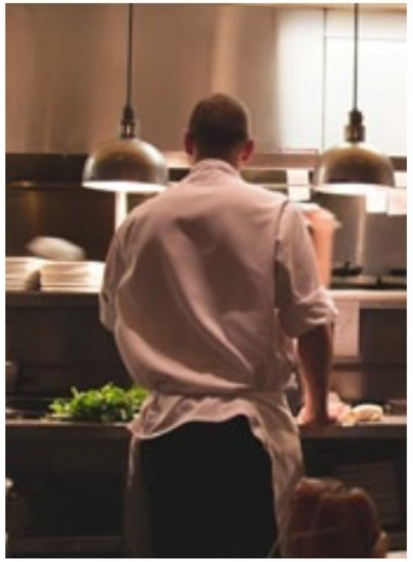
Food & Beverage Applications


- Convection Steamers and Combi-ovens
- Water Heaters
- Ice Machines
- Proofer Ovens
- Coffee Brewers
- Espresso / Coffee Equipment
- Post Mix
- Dishwashers

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Business / Commercial Applications

- Mixing Valves
- Humidifiers / Evaporators
- Irrigation System Spray Heads
- Misting Systems
- Car Washes
- Water Heaters
- Tankless Water Heaters
- Boilers (Hot Water Boilers, not Steam Boilers)
- Solar Heating Systems
- Piping Systems


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