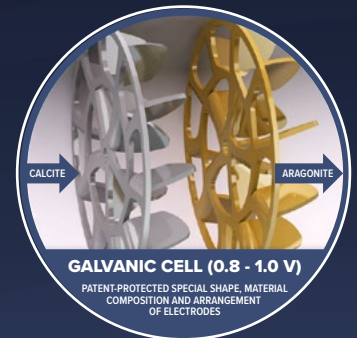




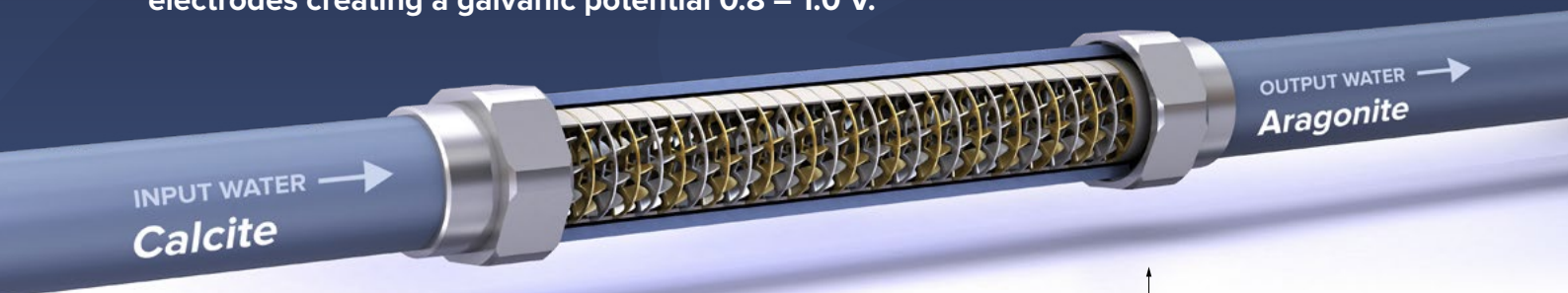
IonPolarization
System

Ion Polarization System

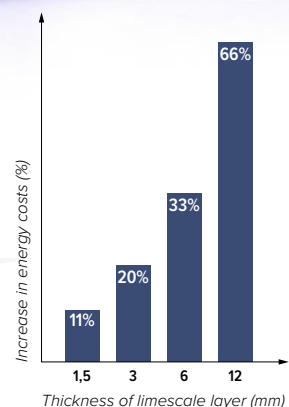
The physical-galvanic
water treatment



A new revolutionary system for preventing limescale and removing existing limescale from water heaters, pipes, mixers, showers and all equipment through which water flows with certified efficiency up to 76%. IPS use energy of spinning water and electrodes creating a galvanic potential 0.8 – 1.0 V.



- Changes hard calcite to soft aragonite.
- Reduces the need to de-scale tankless heaters, mixers, showers.
- Doesn't restrict household water pressure.
- Connects directly to copper, CPVC or PVC pipe.
- Adapts easily for PEX and other pipe types.
- Environmentally friendly and chemical-free.
- No electricity required.
- Easy-to-install and maintenance-free.
- Extends the life and efficiency of new and existing water heaters, mixers, showers, etc.
- Certified for long-term contact with drinking water.



Ion Polarization System

effective protection against corrosion and scale formation

Ion Polarization System (IPS) is designed for the physical-galvanic water treatment for households, public buildings and industrial plants. IPS is suitable for new pipelines for prevention, but also for the old ones, where it gradually removes existing deposits.

How the IPS works



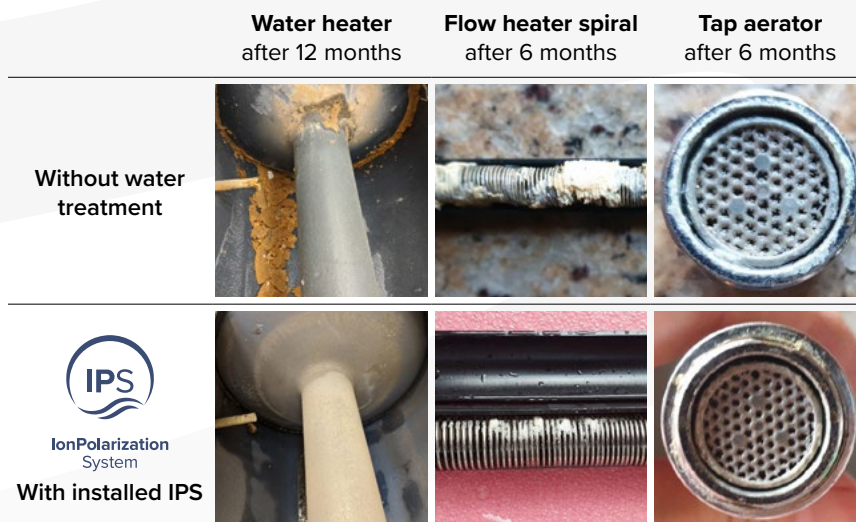
IPS effectively prevents the formation of solid sediments and corrosion in cold and hot water appliances. IPS is a flow-through body with inside placed turbine-shaped electrodes of two different electrically conductive materials. The electrode design is patent-protected (TGP® – Turbulent Galvanic Polarization) and generates a swirling water flow, causing a change in the structure of the minerals.

Physical propensity at 50.0 µm level

Changes in calcium carbonate crystal when using IPS (increased to 50.0 µm). Water marked 0 is without the use of IPS. Water 1, 2 and 3 flowed through the IPS. The photos show changes in the crystal structure.



IPS efficiency comparison



IPS KalyxX

your best defence against limescale

IPS KalyxX is a flow-through body with inlet and outlet ports. Inside are placed turbine-shaped electrodes (not magnets) of two different electrically conductive materials. IPS KalyxX is suited for both traditional tank and tankless water heaters in areas with moderate to severe hard water. It's an inexpensive way to protect their investment, easy to install, and a great value. IPS KalyxX is designed to fit directly on the male NPT/G inlet of any residential water heater. Without a IPS KalyxX installed, tankless heaters must be flushed and cleaned with chemicals every one to three years to function properly.

IPS Products



IPS KalyxX



IPS KalyxX Industry



IPS WashBall

Approvals

