

Scalewatcher

Non-Invasive Water Treatment System Scalewatcher

Description:

Scalewatcher is an innovative water treatment system based on electromagnetic induction, designed to prevent and eliminate the accumulation of lime scale deposits in pipes, boilers, heat exchangers, cooling towers, and other equipment that transport or store water.

Its operating principle is based on the emission of an alternating current through a coil wrapped around the pipe. This current generates an electromagnetic field that modifies the structure of the minerals present in the water, preventing them from adhering to the internal surfaces of the pipes and facilitating their removal through the normal flow of water.

Descripción	Electronic Descaler
Peso	110 g to 2.5 kg
Compatibilidad	All types of pipes
Temperatura de operación	-25°C to 55°C
Carcasa	ABS (Domestic) Aluminum or Stainless Steel (Industrial)
Tensión de alimentación	110–240V AC, 50/60 Hz
Consumo de Energía	< 20 W
Vida Útil	> 10 years

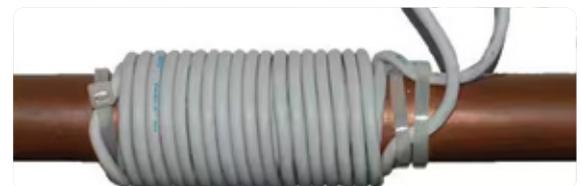


Benefits and Advantages:

- Prevents and eliminates scale buildup in pipes and equipment.
- Reduces the proliferation of bacteria and algae, improving water quality.
- Minimizes corrosion, extending the lifespan of water systems.
- Decreases energy consumption by improving the thermal efficiency of boilers and cooling systems.
- Requires no chemicals or additives, 100% ecological.
- Compatible with pipes of different materials and diameters.
- Easy installation with no need to modify infrastructure.
- Saves on equipment maintenance and cleaning costs.

Installation:

- Location: Install on the inlet pipe or the equipment to be protected.
- Coiling: Wrap the coil around the pipe following the model's instructions.
- Optimal conditions: Avoid nearby electromagnetic interferences.
- Treatment time: Depends on the flow rate and the pipe length.



APPLICATION:

Residential

- Pipe protection in houses and apartments.
- Prevention of scale buildup in water heaters and showers.
- Water treatment in pools and ponds.

Commercial

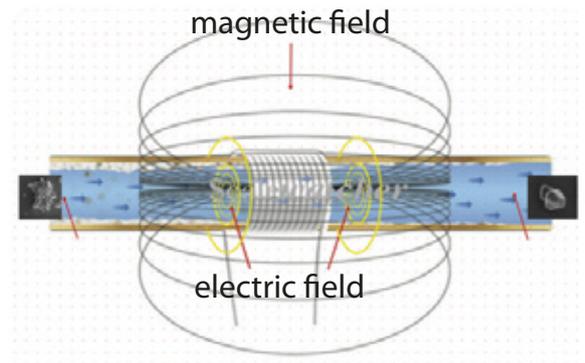
- Restaurants, hotels, and spas.
- Bakeries, hair salons, and laundries.
- Hospitals and clinics.
- Public pools and golf courses.

Industrial

- Water treatment plants and filtration systems.
- Steam and hot water boilers.
- Cooling towers and heat exchangers.
- Irrigation systems in agriculture and the food industry.

Marine

- Cooling systems in ships and yachts.
- Pipe protection in seawater installations.



Scalewatcher is a technology adaptable to various applications, from domestic systems to complex industrial infrastructures. Its ability to improve water quality without the use of chemicals makes it an efficient, ecological, and cost-effective option for multiple sectors.

Models:

Residential

- Scalewatcher Nano
- Scalewatcher 3 Star
- Scalewatcher 4 Star
- Scalewatcher 5 Star

Commercial

- CM2
- CM4
- CMW2 (Weather-resistant)
- CMW4 (Weather-resistant)
- CMN2 (High resistance, indoor and outdoor)
- CMN4 (High resistance, indoor and outdoor)
- CMN8 (High resistance, indoor and outdoor)
- TRP (Protection for radiators in cars, buses, and trucks)

Industrial

- IE2 (Light)
- IE4 (Light)
- IE8 (Light)
- IE12 (Light)
- SE8 (Heavy)
- LE12 (Heavy)
- LE16 (Heavy)
- LE20 (Heavy)
- HIME24 (Heavy)
- HIME30 (Heavy)
- HIME40 (Heavy)
- HIME60 (Heavy)
- HIME80 (Heavy)

Marine

- MRNPFW (Private vessels)
- MRN2 (Merchant marine)
- MRN4 (Merchant marine)
- MRN8 (Merchant marine)
- MRNF8 (Fishing vessels)

Models for Hazardous Areas

- Models for Hazardous Zones (ATEX and NEMA certified)

Lightweight Models for Heavy Industry

- IND1
- IND2
- IND3
- IND4

Optional and Complementary Equipment

- Remote alarm unit (with siren and strobe light)
- Wireless remote alarm (Monitoring via SMS or Internet)
- Test device (Electromagnetic signal verification)
- Solar power supply (For use in remote areas without electricity access)
- Three-phase system (For high-power applications in heavy industry)
- Pipe inspection equipment (With cameras of different sizes)

