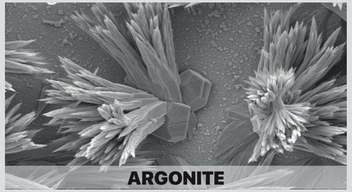


Water leaves behind limescale on pipes and internal walls. Rising temperatures, pressure compensation and turbulence cause calcite to become embedded in pipes and household appliances.

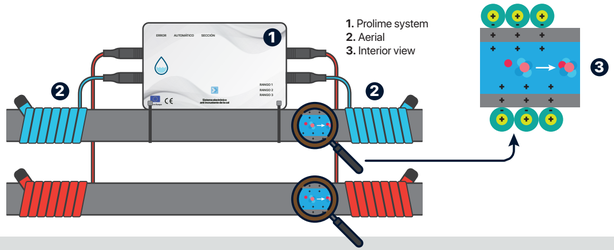
SCIENTIFIC STUDIES AND ANALYSES





The water that reaches our buildings carries a mixture of minerals: calcium and magnesium. These minerals, over time, will naturally leave behind calcium carbonate in the form of calcite, which adheres to its surroundings, damaging all the elements of a water installation and obstructing the pipes through which it circulates.

What our equipment does is to leave the remains of calcium carbonate in the form of Aragonite. Its composition is identical to calcite, but in its formation, it is totally different, and the big difference is that it does not adhere to its surroundings or to each other, as well as being able to drag the calcite sediments.



1. Prolime system
2. Aerial
3. Interior view

Prolime

osmofilter®
Tratamiento Integral del Agua

Prolime



Prolime is a limescale remover that works with an electronic system that generates impulses in the water to remove limescale from pipes and appliances.

ECOLOGICAL PROBLEMS

ENVIRONMENTAL RISKS OF WATER SOFTENERS

In the last decade, several countries have banned or partially restricted the use of traditional salt-based water softeners.



Plants without nutrients

Watering with water that has been treated by a classic water softener can be harmful to plants. Over time, the salt contained in the irrigation water accumulates in the soil.



Land less fertile

This water is sometimes used to irrigate parks or for agricultural purposes. As salt accumulates in soils, they become compacted and lose vital nutrients, damaging vegetation.



Aquatic life endangered

In some places it ends up being dumped into the ocean, lakes or rivers. This is a costly method and can have long-term negative effects on aquatic life.

FINANCIAL PROBLEMS

EVERYDAY RISKS OF LIME IN OUR HOME

We tell you one by one the consequences of limescale in your home, the problems it causes and how it can affect your daily life in many ways.



Health

It is possible that water with limescale can damage our skin or hair. Especially if we are talking about children or people with very sensitive skin.



Appliance

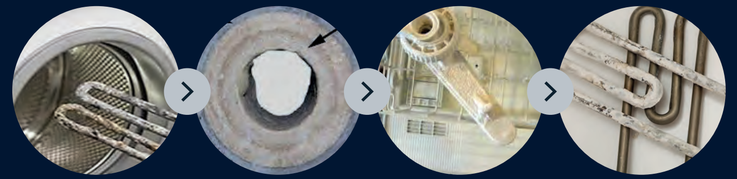
It considerably reduces the efficiency of household appliances, especially those used to heat water (washing machines, boilers, water heaters, etc.) and even increases electricity bills.



Home / Breakdowns

Kitchen and bathroom fittings are starting to lose their shine. Glass partitions are less transparent and tiles are covered with a whitish layer. Finally, the water flows unevenly.

SOLVE THESE PROBLEMS



The Prolime descaler is an environmentally friendly system and a real alternative to traditional descaling / descaling systems:

- No chemicals are used.
- It does not produce waste.
- It does not change the natural composition of the water.
- It does not waste water.
- Improves the performance of installations.
- It promotes energy savings.



FEATURES

MICROPROCESSOR

New generation Prolime microprocessors, with built-in programme to work in automatic or manual mode (for different pipe sections), in order to adjust to the needs of each installation.

DOUBLE COIL

The incorporation of the second electromagnetic field will allow Prolime to work directly on both cold and hot water, the latter being much more prone to the problem of limescale.

360º PROTECTION

Prolime, with its installation in the home's water supply, ensures comprehensive protection of all the elements that come into contact with water, from the entrance to the home, pipes, electrical appliances, taps, sanitary fittings, etc.

LEVEL OF HARDNESS

Water hardness is measured in milligrams of calcium carbonate per litre of water. Prolime technology allows descaling at levels of less than 16mg/l, soft water, up to more than 180mg/l, very hard water.

LOW CONSUMPTION

To reduce power usage, the device features ARM processors, requiring fewer transistors and a reduced instruction set, generating very low-power electromagnetic fields. This design approach therefore leads to a reduction in cost, heat and power.

DURABILITY

The components used for Prolime, as well as its self-diagnostic software, ensure that we are always sure that our installations are being correctly descaled, as this equipment is designed to last over time in any conditions.