



HydroCor Ultrasonic Descaler for Industry and Homes

Descaling and Scale Prevention.

The electromagnetic wave action creates a large number of suspension and condensation in the water. When the water is heated, or the pressure (psi) decreases, the calcium (Ca) and magnesium (Mg) plasma in the hard water is absorbed. This action is crystal nucleation creating a process that occurs in forming a crystal from the solution. This process begins with another form of calcium carbonate that has a very distinct characteristic to calcite. When the calcium carbonate precipitates as aragonite, it forms a non-adhering harmless insoluble crystal that is either consumed or carried through the system to the drain. This process prevents scaling by not adhering to the surface of plumbing, heaters, industrial coolers, equipment, amongst many other scenarios. The existing scale will gradually dissolve in the water

Household Unit Below:



Industrial Unit Below:



Why does water scale happen?

Contributors to scale are calcium ion, magnesium ion, carbonate, and sulfate ions in the water.

Before



After



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When the temperature goes up in the water, the pressure (psi) goes down, the calcium carbonate now forms into a crystal, sticking to the plumbing or surface and forming a scale. Microscopically attaching to any uneven surface, it finds.



Water scale is an ongoing problem for many industries and homes. Plumbing is circular and is an ideal surface for it to attach itself to. When the temperature rises as the water travel through the pipes, the pressure (psi) decreases.



Puroxi Ultrasonic Descaler has three specific functions: Remove scale, kills bacteria and algae and a physical flocculation.

How does it remove the scale?

The alternating electric field constantly controls positive and negative ions in the water, alternating and moving to electrolyze and prevent scale.

How does it kill bacteria?

Through osmosis for the water, the benefit of bacterial reduction creates a lower cost for you.

How does it flocculate?

Puroxi Ultrasonic Domestic Descaler delivers a positive and negative charge to water particles, and this creates flocculation.



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