

WHAT LIFE ADVANCED SCALE FILTER DOES

Simply stated, it is an eco-friendly water conditioning technology that scientifically, safely solves a range of calcium carbonate scale problems. Since 1972, catalytic water technology has a track record providing scale control solutions for business, industrial, agricultural, turf, and residential use.

HOW IT IS ENVIRONMENTALLY FRIENDLY

We are frequently asked if we add anything to the water to make this technology work. The answer is no, because it is catalytic and non-chemical. Being catalytic, it aids in the formation of a reaction, but does not enter into the reaction. The scientific analysis of the water entering an Advanced LIFE Scale Filter is essentially the same as that of the water exiting the device. Please see the attached analysis. How it works in an environmentally friendly way is by re-configuring or changing the crystalline form of calcium carbonate in the water from “hard” to “soft.” Because the technology requires some calcium and carbonate in the water to function on, note that it does not work on deionized or distilled water (which are calcium and carbonate free). The technology is highly effective on diverse types of water containing some calcium carbonate, such as most drinking and irrigation water, sea water, and even water with high TDS (total dissolved solids). Scale build-up from the common mineral, calcium carbonate, is the usual cause of “hard” water scale deposits. Since approximately 4% of the earth’s crust is calcium carbonate, this is a frequent scale problem world-wide.

THE SOLUTION

To further clarify, going through a LIFE Advanced Scale Filter, calcium carbonate in water remains the same mineral, calcium carbonate, yet becomes a different crystalline structure, with substantially different functions. It does not need to add nor subtract anything from the water on which it is working. With this technology, the calcium carbonate becomes a “soft” spherical crystalline structure that no longer creates hard bothersome deposits and no longer tenaciously sticks to surfaces. Now water can flow freely. The new “soft” calcium carbonate crystal is beneficial, as it does not build up and cause problems as do other crystalline forms of calcium carbonate.

THE DIFFERENCE

What it's is not: It is not a filter (as it does not remove anything, instead it

changes the crystallize structure of calcium carbonate into a different structure), and it is not a magnet (it is not designed to rely on magnetic fields, nor is it a temporary fix lasting only a few hours). It is not a water softener (water softeners remove beneficial calcium and magnesium, replacing these elements with an increase in water sodium or potassium chloride levels, which can be harmful to people, plants, roots, soil and sewers). It uses no electrical hook-ups, has no wires and no grounding, requires no batteries, does not require you to use any electrical current whatsoever (an attractive safely feature).