



Why Hanish Water?

According to a recent report by the World Economic Forum *"the number one issue facing the world in the next 10 years will be [access to clean drinking water](#)."* The public has started to demand the global preservation of, and access to, clean, safe drinking water. Hanish Water is already providing solutions and resources to meet this global need and is working with Governments in countries such as Nigeria in Africa.

Recent events around the world have people worried about their access to clean, safe water. The World Economic Forums report states the, *"Challenges around water management are already immense...over a billion people lack access to improved water. Some 2.7 billion – or 40% of the world's population – suffer water shortages for at least a month each year."* Something needs to be done to help people all over the world protect and conserve the remaining fresh water. Hanish Water is changing people's perceptions of what constitutes "standard water treatment technology" and how it relates to the global landscape, starting with the water coming into their homes.

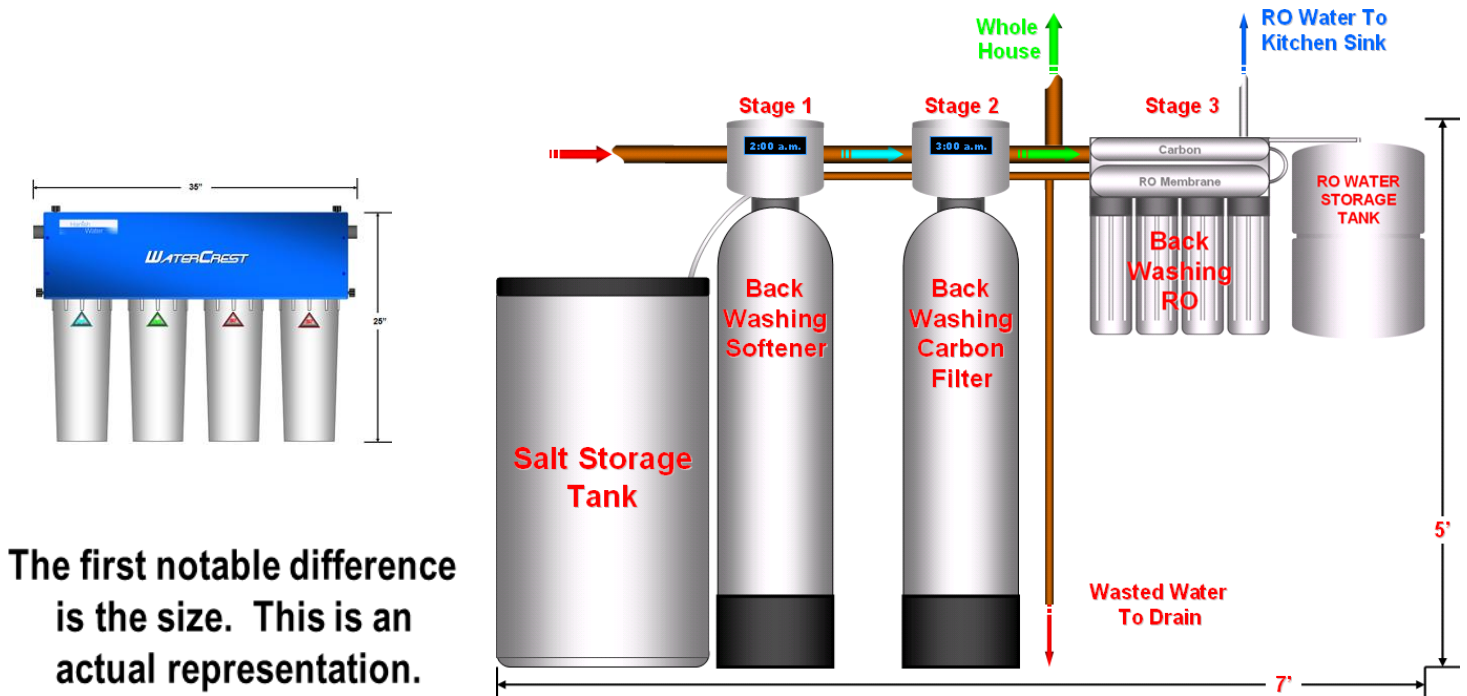
For years, we the consumer have been told and sold the same old technology being told it was all you needed. You were not told the truth! Below we will share with you what you have been told, and what you have not. We will then show you why the Hanish Water system is different, why it is superior to anything else in the market today, and why you should own one.

The picture below shows yesterday's technology, what most water treatment companies are trying to sell you. We have placed the Hanish Water WaterCrest-4 next to it so you can see the different in size, but size is the least of the differences.

The image of Yesterday's Technology is a point of entry (POE) water softener with a backwashing carbon filter combined with a point of use (POU) reverse osmosis system. It represents what they want you, the consumer to believe is a whole house water treatment system. They have to pull together three of their old technologies and connect them together into a series of technologies they then label as a system. What they don't tell you is that separately these three systems suck the life minerals from the water making it a very aggressive compound and at the same time wasting salt and water while negatively effecting the environment.

**YOU NO LONGER NEED WATER SOFTENERS,
REVERSE OSMOSIS OR UV SYSTEMS!**

***Yesterday's Wasteful
Technology***



You can replace all of these old, wasteful technologies with a Hanish Water System that treats your water more efficiently giving you a higher rate of flow in a much smaller package.

A review of the three outdated systems and why Hanish Water won't sell these products.

Water Softening

Water softening is exactly that, it removes hardness, (Calcium and Magnesium) out of the water rendering it "soft", or as many people refer to it...slimy. This process uses salt to regenerate the media used to soften the water and then backwashes it back into the environment through the sewer system or septic system. Every time the system backwashes it's basically flushing your money down the sewer. The salt water discharged in the process is expensive to treat, and is why so many cities and states are banning, or trying to ban the installation of water softeners. The World Health Organization reported the following, *"When used for cooking, soft water was found to cause substantial losses of all essential elements from food (vegetables, meat, cereals). Such losses may reach up to 60 % for magnesium and calcium or even more for some other microelements (e.g., copper 66 %, manganese 70 %, cobalt 86 %). In contrast, when hard water is used for cooking, the loss of these elements is much lower, and in some cases, an even higher calcium content was reported in food as a result of cooking."*

Reverse Osmosis (RO)

An RO removes up to 98% of all solids from the water causing it to become very aggressive or very hungry. It becomes so aggressive that RO water cannot run through copper pipes because it will eat holes in the copper over time. Just think if it can do that to copper, what it is doing to the human digestive track. Consuming RO water on a regular basis can actually counter act attempts to mineralize our bodies, in that as you consume RO water, it is so hungry that it will leach out healthy minerals from your body. The World Health Organization has published a report "Health Risks From Drinking Demineralized Water" states, *"It has been adequately demonstrated that consuming water of low mineral content has a negative effect on homeostasis mechanisms...Within several weeks or months various complaints suggestive of acute magnesium (and possibly calcium) deficiency were reported. The complaints included cardiovascular disorders, tiredness, weakness or muscular cramps."*

UltraViolet (UV)

UV is the process of sterilizing bacteria in water so it cannot multiply. UV does not remove anything from water, or actually kill bacteria in water. Unable to multiply the bacteria simply dies off leaving their bodies in the water. UV is expensive to own and maintain and requires electricity to operate.

What makes Hanish Water better than these three systems?

Now that you have a better understanding of the old, wasteful technology it is time to introduce you to the **Hanish Water WATERCREST**, a **Whole House Physical Water Processing System**. The WaterCrest took 10 years to engineer, test, and refine utilizes NASA Derived Technology which requires no electricity because it has no moving parts. It's this same technology within the system that doesn't use salt or any other chemicals that makes the WaterCrest so environmentally-friendly. Not a single drop of water is wasted because the WaterCrest doesn't need to backwash.

The following is what set's **HANISH WATER** apart from the rest of the water treatment industry.

Patented Technology Creates Higher Flow Rates With Better Filtration Results



Untreated water enters the **WATERCREST** from the left and passes through the **PREFILTER** where the particulates are taken down to .01 micron and is then fed into the upper manifold and into the **BIOGUARD**. As the raw water passes through the special media which makes up the **BIOGUARD** it gravitates to the center of the cartridge where it make its way up and out of the **BIOGUARD** where it again enters the upper manifold and into the two **SCALEINHIBITOR** cartridges. The semi-treated water is then split in two so it can pass through both of the **SCALEINHIBITOR** cartridges at the same time. Through the ScaleInhibitor the water is treated for hardness as it again enters the upper manifold for the last time before it leaves the Hanish Water WaterCrest System and on into your home. It's this process

that provides you a quality of water unmatched by any other water treatment system on the market today. The result is clean, clear, great tasting scale free water that still contains all of the healthy minerals your body needs on a daily basis.

What is **PReFILTER**

The Hanish Water PreFilter is specially designed to act in a Dual Gradient manner which enables it to filter particulates in the raw water coming into your home from at least 30 microns in size down to 1 micron in size at very high flow rates. This special Dual Gradient design helps the filter last longer and protect the

BioGUARD.

What is **BioGUARD**

Waterborne pathogenic microorganisms are a major source of disease worldwide. Pathogens and water system deficiencies that are identified in outbreaks may also be important causes of endemic waterborne illnesses. Of increased importance, however, are outbreaks caused by the microbial contamination of water distribution systems either private, or public. In light of the growing evidence showing the resistance of certain micro-organisms to standard disinfection methods (including chlorination and UV radiation) mechanical removal of these contaminants is often the most reliable choice.

The Hanish Water **BioGUARD** filters are capable of retaining 99.9999% of microorganisms (such as viruses, bacteria & protozoa which can include Cryptosporidium, Giardia Intestinals, Legion Ella, Pseudomonas, Salmonella, E-coli, Mycobacteria, Aspergillus), Pharmaceuticals, Endotoxins & DNA – all at flow rates hundreds of times greater than existing virus rated ultra-porous filters.

This NASA derived technology utilizes a non-woven thermally-bonded filter media technology that blends special fibers infused with additional nano-media properties. This blend acts as the scaffold upon which the active components of these filters are permanently affixed. The advantage to this technology is that it is an adsorptive removal process; this industry disruptive nanotechnology is based on attaching the nano-media onto a submicron bio state heat sealed cellulos fiber. This method makes available greater than 42,000 square meters of nano-fiber surface area per square meter of filter media.

The Hanish Water **BioGUARD** is a non-woven electropositive fibrous filter media with very high particle removal efficiency as well as very high dirt holding capacity. Its flow rate is equivalent to, or greater than standard pleated filters that are rated at 3 microns. The Hanish Water **BioGUARD** filter's absolute rating is 0.1 micron, 0.01 NTU. Yet the peak flow rate through our standard 5" x 20" cartridge is 40 gpm with an initial pressure drop of less than 2 psi. Our **BioGUARD** filters provide unusually high flow rates, yet

provide extremely efficient filtration solutions for a myriad of applications. Whether used in the field in a pre-filtration mode for ultra-pure water systems, to produce laboratory or process water, in commercial/industrial water treatment, as a microbiological sampler, or as a stand-alone filtration device for disaster relief applications. The Hanish Water **BIOGUARD** filters perform at levels never before believed possible. The **BIOGUARD non**-woven electropositive technology accomplishes this by delivering the low pressure-drop (ΔP) associated with a 2 μ - 3 μ filter, yet achieving a removal efficiency of 99.9% for 0.1 particles. As a result, the **BIOGUARD** surface area affords results in dirt holding capacity up to 25 times greater than other filter medias. In fact, the filter media in a standard **BIOGUARD** filter can capture and retain an amount of particulate which is 3.5 times its own weight.

A **BIOGUARD** filter with its Quadruple O-ring Barrier has been shown to be effective for a bacillus and is expected to remove anthrax cells and spores as well as other biological agents accidentally or intentionally added to the water supply.

What is **SCALEINHIBITOR**

For years, water softeners have been virtually the only means of reliably treating hard water. Other alternatives, including magnets, electromagnets, electrostatic devices and catalysts have been available but haven't proven to be *consistently* effective on a wide range of water supplies. A recent scientific development offers the first effective *and* consistent chemical-free scale prevention method.

SCALEINHIBITOR technology naturalizes calcium and magnesium ion water chemistry so that the calcium and magnesium ions do not scale out, preventing the formation of calcium and magnesium carbonate. When calcium and magnesium ions come in contact with the carbon based ceramic media inside of the **SCALEINHIBITOR** cartridge, ionic hydration is changed. As a result, the calcium and magnesium ions will not bind with the carbonate anions in the water and there is no formation of scale. This technology will not remove the calcium and magnesium ions from the water, but instead changes their chemistry so they can remain in the water but not negatively affect the hard surfaces they come in contact with such as your plumbing, hot water heater, fixtures, dish washer, washing machine, shower, tub, or any other water using appliances. If the hardness is tested before and after the installed **WATERCREST**, the hardness level will be the same. Since the **SCALEINHIBITOR** media is an insoluble material in water, it does not add any unwanted chemicals into your working and drinking water.

So, as you can see we have taken Whole House Physical Water Treatment to a whole new level by incorporating NASA derived technology into our systems making them truly eco-friendly at a fraction of the

size and requires less than 5 minutes of maintenance every 12 – 18 months. While others repackage and try to resell you their old technology by using new marketing buzz words, smoke and mirrors and special offers to convince you their filters will do the job. The truth of the matter is they are comparing apples with oranges. Their systems simply can't match the performance standards set by the **WATERCREST** system with its industry leading proprietary **PREFILTER**, **BIOGUARD** and **SCALEINHIBITOR** technologies.