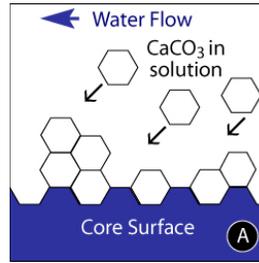
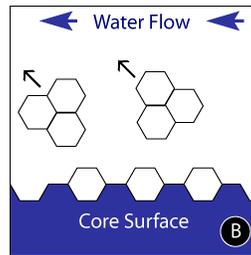


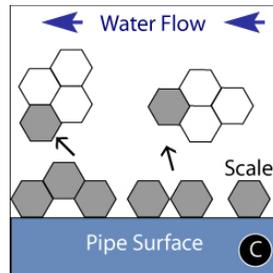
**The WaterGuard™ Salt and Chemical Free Scale Control Media End "Hard Water" Scaling Problems...FOREVER!  
No wasted water, salt or chemicals needed!**



The WaterGuard™ Salt Free Scale Control Media extracts harmful dissolved lime from water via "template induced or epitaxial crystallization". The Scale Control Media which is used in devices as in-line "water conditioners" because the media surface accelerates the natural tendency of dissolved lime to crystallize, but does so before lime can deposit on pipes/surfaces further downstream. The composition of the WaterGuard™ Scale Control Media surface mimics that of calcium carbonate crystals, allowing the dissolved lime in hard water to form microscopic hard crystals of "activated lime" on the media surface via the process of "template induced or epitaxial nucleation."



The WaterGuard™ Scale Control Media returns lime to the water as stabilized crystals of "activated lime". Once the microscopic crystals of activated lime grow large enough, they are freed from the WaterGuard™ Scale Control Media surface by shear forces of water flow. This makes room for generation of new activated lime crystals. These activated lime crystals are "stabilized," and will not cause pipe scaling or stubborn lime deposits on surfaces. When the WaterGuard™ Scale Control Media-treated water dries on surfaces, these crystals form a fine, dusty residue that is easily wiped off without cleansers.



The WaterGuard™ Scale Control Media's produced "activated" crystals then remove pre-existing scale and prevent new scale formation. Calcium carbonate in pre-existing scale will slowly "redistribute" itself from the low-surface area of pipe surfaces and plumbing to the high surface area of all the crystals in solution. The trillions of microscopic crystals of activated lime provide an incredibly high total surface area for further epitaxial crystallization. The net result is removal of pre-existing lime scale from plumbing, keeping pipes and appliances lime-free whilst leaving a thin protective surface!

**The WaterGuard™ Scale Control Media and Treatment Systems  
End "Hard Water" Scaling Problems...FOREVER!  
No wasted water, salts or chemicals needed!**

Want an end to your "Hard Water" Problems?

Install the WaterGuard™ Scale Control Media on your water supply main or other water supply line to enjoy maintenance-free, scale-free water today. Our, one-of-a-kind Scale Control Media is designed to both dissolve pre-existing calcium scale deposits, and prevent future deposits. The WaterGuard™ Scale Control Media therefore, protects plumbing, appliances, and equipment from damaging hard water deposits...forever!

The WaterGuard™ Scale Control Media product line is easily installed in-line on the water main of your commercial or home water supply, or on smaller point of use water supply lines to protect icemakers, coffeemakers, mist cooling systems, etc.

the WaterGuard™ Scale Control media is maintenance - free! Never needs salt, supplies, wasted water nor electricity!

**The WaterGuard™ Scale Control Media Come In Various Configurations To Meet The Needs For Our Residential And Commercial Customers – from Point of Use to Point of Entry to Sophisticated Protection for High Value End Uses like Boilers and Cooling Towers.**



## THE PROBLEM...

RIGHT NOW, scale and corrosion are working to destroy the water-using equipment in your home or business every time you turn on a faucet. You must continually clean and eventually replace faucets, ice machines, shower heads, water heaters, boilers, heat exchange units and pipes that work inefficiently and corrode due to this lime scale buildup.

Chemicals are polluting the water supply. As part of the "hard water cleaning process," phosphates and other harsh acids are being poured down the drain. As part of the "water softening process," tons of sodium chloride and other chemicals are added to our ecosystems, creating hazards both to the environment and to human health.

## THE SOLUTION...

Simply install our state-of-the-art *WaterGuard™* Scale Control Media in your Water Conditioners and benefit from the following:

### PREVENTS SCALE DEPOSITS... **SAVES MONEY:**

The *WaterGuard™* Scale Control Media suspend the calcium in water so it will not scale up or "stick" to your pipes and appliances. This extends the life and efficiency of hot water heaters, ice machines, dishwashers, shower heads, and other water-using equipment.

### REMOVES EXISTING SCALE... **SAVES MONEY:**

Existing scale deposits in your plumbing, water heater, and fixtures are softened and eventually removed by the *WaterGuard™ Salt and Chemical Free Scale Control Media*. Heating systems again work at peak efficiency, saving fuel costs.

### REQUIRES NO CHEMICALS... **SAVES MONEY:**

Our *WaterGuard™ Salt and Chemical Free Scale Control Media* eliminates the need for treatment chemicals, thereby extending the life of your equipment while saving you money. Choosing our *WaterGuard™* Scale Control Media will save the purchase price of the water softener (between \$800 and \$2500, based on a two-tank system), and also save ongoing costs of salt supply, water and maintenance.

### SIMPLIFIES CLEANING... **SAVES MONEY:**

Our *WaterGuard™ Salt and Chemical Free Scale Control Media* increases the efficiency of soaps and cleansers while decreasing the time required scouring off unsightly grit, lime spots, and calcium deposits from fixtures, tubs, shower doors, glasses, dishes, windows, and cars. Minerals in the *WaterGuard™* Scale Control Media-treated water are converted into a fine powder, which can be easily wiped off surfaces without the need for caustic "lime removers" and other harsh cleaning products.

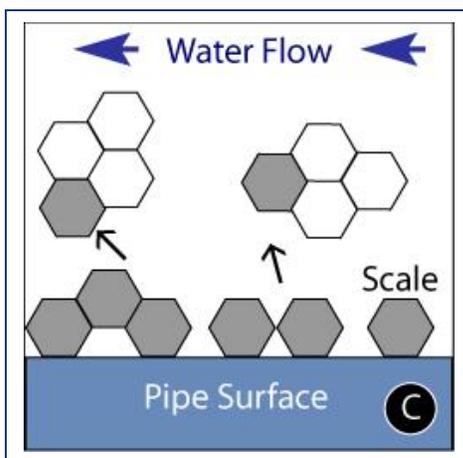
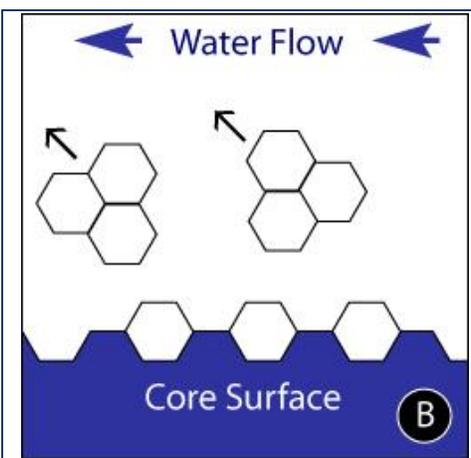
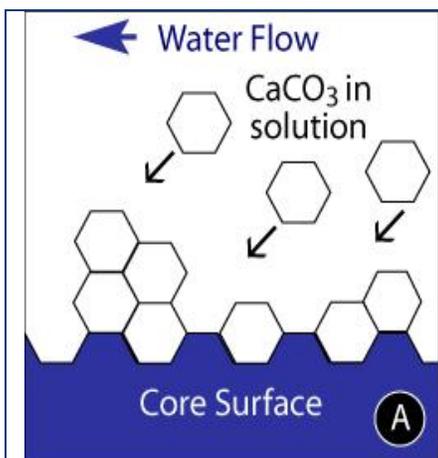
### PROMOTES PLANT GROWTH... **SAVES MONEY:**

Farmers and specialty growers use our *WaterGuard™ Salt and Chemical Free Scale Control Media* in greenhouse, hydroponics, and field cultivation. Golf course groundskeepers use our media in and misting fans to promote healthy greens and fairways. With repeated irrigation, calcium carbonate seals the ground, causing mineral buildup and hardening of the soil surface, which prevents adequate water penetration to plant roots. The *WaterGuard™* Scale Control Media-treated water helps dissolve this mineral buildup in the root zone, thus allowing for proper irrigation and drainage, even when using mineral-laden reclaimed water. If included in misting systems, treated water also eliminates scaling of sprinkler heads and provides substantial savings on equipment replacement and maintenance. Likewise, the need to frequently "aerate" soils with spiked lawn equipment is reduced or eliminated.

### FIGHTS WATER POLLUTION... **SAVES MONEY:**

With our *WaterGuard™ Salt and Chemical Free Scale Control Media*, you take part in the fight against water and soil pollution by decreasing the amount of salt, phosphates, and other chemicals introduced into lakes, streams and aquifers.

# The WaterGuard™ “Ecologically Sound” Scale Control Process



The WaterGuard™ Salt and Chemical Free Free Scale Control Media extracts harmful dissolved lime from water via template induced or epitaxial crystallization. The WaterGuard™ Scale Control Media which is used in devices as in-line "water conditioners" because the media surface accelerates the natural tendency of dissolved lime to crystallize, but does so before lime can deposit on pipes/surfaces further downstream. The composition of the WaterGuard™ Salt and Chemical Free Scale Control Media surface mimics that of calcium carbonate crystals, allowing the dissolved lime in hard water to form microscopic hard crystals of "activated lime" on the media surface via the process of "template induced or epitaxial nucleation."

**Zero Wasted Water**

The WaterGuard™ Salt and Chemical Free Scale Control Media returns lime to the water as stabilized crystals of "activated lime". Once the microscopic crystals of activated lime grow large enough, they are freed from the WaterGuard™ Scale Control Media surface by the shear forces of water flow. This makes room for generation of new activated lime crystals. These activated lime crystals are "stabilized," and will not cause pipe scaling or stubborn lime deposits on surfaces. When the WaterGuard™ Salt and Chemical Free Scale Control Media treated water dries on surfaces, these crystals form a fine, dusty residue that is easily wiped off without cleansers.

**Zero Salts Needed**

The WaterGuard™ Salt and Chemical Free Scale Control Media's produced "activated lime" crystals then remove pre-existing scale and prevent new scale formation. Calcium carbonate in pre-existing scale will slowly "redistribute" itself from the low-surface area of pipe surfaces and plumbing to the high surface area of all the crystals in solution. The trillions of microscopic crystals of activated lime provide an incredibly high total surface area for further epitaxial crystallization. The net result is removal of pre-existing lime scale from plumbing, keeping pipes and appliances lime-free whilst leaving a thin protective surface!

**Zero Added Chemicals**

After 90 Days of WaterGuard™ Treated Water



Untreated Raw Water



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4916 River Reach,  
Delta, BC, V4K 4A4

T: 604-878-8092  
[info@pureworld.ca](mailto:info@pureworld.ca)  
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Manufactured in America