



PLANET FRIENDLY®

**WATER TREATMENT**  
**Copper Ionization**  
**Natural Oxygen**  
**Multi-Media Filtration**  
**ZERO CHEMICAL**  
**ZERO BRINE**

**POINT-OF-ENTRY**  
**Whole House Water Systems**



The ECOsmarte system has been tested and Certified by WQA according to NSF/ANSI 61, Section 8 and is State of California listed (as tested by the WQA) for removal or reduction of volatile organic chemicals (VOC's)

**EPA EST# 083498-MN-001**

# Copper Ionization, Natural Oxygen and Proper Filtration

## The ECOsmarte Point-of-Entry product-line. . .

. . .brings state-of-the-art electronic ionization, titanium oxidation and multimedia filtration into the residential water market. This breakthrough, ECOsafe technology is now available for all private applications. ECOsmarte offers dual media filtration along with copper ionization and titanium oxidation, creating a new standard in potential water quality for whole house filtration systems. A growing number of commercial users also enjoy our ECOsmarte technology.

The ECOsmarte Point-of-Entry System replaces water softeners and conditioners, iron filters, chemical feeders, taste and odor filters, and most other water treatment methods. You will have bottled-water quality throughout your entire home. The system does not remove beneficial minerals like copper (we add it), calcium and magnesium from your water, while the oxygenation lowers its surface tension, known as "wetter water". The result is water that tastes great, has no odor, and is more absorbent for both plants and people. For this reason, ECOsmarte benefits your outdoor water, too. In the year 2000, golf courses began using the ECOsmarte technology to drastically reduce chemical usage and wetting agents required to keep their grass green and healthy.

**You will have bottled-water quality throughout your entire home.**



\* Contaminants removed by the ECOsmarte System are not necessarily in your water.

## ZERO Salt, ZERO Chemicals Used to Treat the Water...



### ECOsmarte Invented...

**(1) THE 100% CHLORINE-FREE SWIMMING POOL TREATMENT SYSTEM:** Since 1993, over 20,000 swimming pools and spas in the U.S. and throughout the world have operated 100% chlorine and salt-free with ECOsmarte's proprietary technology.

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## Municipal Water Point-Of-Entry systems

ECOsmarte has product in 92 countries on six continents and product installed in all 50 U.S. states.

The Point-of-Entry System is configured to your specific needs. It treats all the water in your home or business, indoor and outdoor, hot and cold. It does not restrict, limit or otherwise reduce your supply of available water, and commonly discharges better water than the source water.

ECOsmarte ionization and oxygenation will also protect your plumbing and fixtures. Ionization prevents minerals from forming hard scale by electrically charging the minerals so they cannot bind together. The System converts the calcium to keep it "soft", as the digestible calcium bicarbonate. This also contributes to "wetter water". Your treated water will slowly dissolve existing scale in your pipes, water heater, appliances and plumbing fixtures. The greatest causes of equipment failure or inefficiency are scale and corrosion, which are eliminated by ionization. It increases equipment life and reduces maintenance problems for coffee-makers, dish-washers, clothes washers and icemakers. Your appliances and equipment will operate efficiently, ultimately reducing energy costs, chemicals and soap usage. Salt or potassium is not used or needed, so no environmentally unfriendly brine is discharged.

The ECOsmarte Point-of-Entry System creates charged particles in the water called ions. Mineral ions are safe and essential for humans, plants and animals, but are lethal to bacteria, algae and some viruses. Ionization and oxygenation are combined with granulated activated carbon (GAC) and optional Hydroxite™ media for the ultimate in multi-media whole-house water filter media. The Hydroxite™ media and the automatic backwashes performed by our custom produced Pentair filter valve re-energize the GAC, allowing it to maintain maximum effectiveness for at least five years, and usually more. ECOsmarte systems carry a full five-year warranty.



**Watercheck Test Kit included with every well water system.**



### The ECOsmarte ON BOARD

Water Valve displays the gallons per minute flowing, the total gallons that have passed through the filter and indicator lights for preventative maintenance.

**(2) An alternative science** to water softening converting your calcium to bicarbonate form instead of the quartz-like calcium carbonate which causes scale to form.

**(3) Hydroxite™ Filter Media** is the best heavy mineral filter media available according to EPA/ETL lab tests. Hydroxite™ requires no chemical or brine regeneration.

**Glass  
Pack®**



# The Best Non-Salt, Non-Chemical Water Technology

## Well Water Turbo Systems

The ECOsmarte Well Water Turbo System has no equal in point-of-entry water treatment technology for homes and property served by well water. Each system is custom designed based upon a preliminary 150 item EPA/ETL test on your source water. Multiple mineral and chemical problems are addressed across wide pH and flow rate parameters.

It is the best available system for removal of iron, manganese and hydrogen sulfide without corrosive sodium or potassium discharge. No salt, chemical regeneration, pH modification or in-line flow restriction is required to deliver safe, premium quality water -- hot and cold, indoor and outdoor, treated at the point-of-entry. Low level ionization residuals remain in plumbing lines for protection against mold and scale from point-of-entry to the point of use.

There are no filters or membranes to replace, and very little equipment maintenance is required, resulting in the lowest operating cost of any well water treatment system on the market today. All mineral tanks and filter media are NSF certified.



Well Water Turbo Systems require three tanks, separate and larger electrode chambers than municipal systems.

Well Water Turbo Systems include a Watercheck Test on the source water and results before any work is started, a 150 item analysis so ECOsmarte can properly treat well water.



PROVIDE YOUR HOME WITH...

## We Soften the Mineral, Not the Water



### ECOsmarte Delivers...

**(1) Full Five-Year Warranty Available** that includes filter media and electrodes on every Municipal Point-of-Entry or Well Water System, (Three year standard).

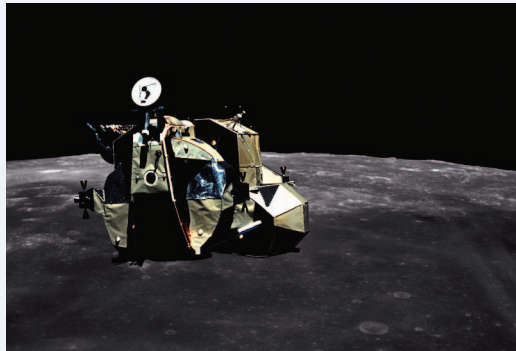
**(2) An EPA/ETL Drinking Water Quality Guaranteed** with every Well Water Application. The best scale control or iron and manganese technology available at any price.

# ECOsmarte treats all of your water, indoor and outdoor, hot and cold.

In 1967 ionization was first used in the Apollo Space Program to deliver and preserve premium quality drinking water. ECOsmarte has enhanced this technology with natural oxygen and configured it for residential applications.

The ECOsmarte Point-of-Entry System has no toxic discharges, requires no replacement parts for at least three years and has demonstrated substantial savings on chemicals, water and electricity. The technology is proven and the irrigation applications are brought to you by the leading developer of non-salt, non-chemical water technology.

**Ionization was developed in 1967 for the Apollo Space Program to insure safe drinking water and control scale in cooling systems on three week missions..**



NOTE: The contaminants removed by ECOsmarte are not necessarily in your water

## TECHNICAL SPECIFICATIONS (RESIDENTIAL)

### MECHANICAL & PLUMBING

Operating Press. Max. 150 PSIG

Operation Temp. Max. 120° F

Tank listing and structural integrity requirements only.

### OXYGEN ELECTRODES

Proprietary composite material

### ELECTRICAL

Input Voltage: 110V only

Output Voltage: 30 VA Class UL CSA

Compliance Power Supply

CE Approved

### IONIZATION ELECTRODES

100% Pure Copper

Irrigation and commercial models may require additional and larger tanks.

## VIDEO TESTIMONIALS

**LOOK US UP ON THE WEB AT**

**[www.ecosmarte.com](http://www.ecosmarte.com)**

**California residents must purchase equipment from an authorized California Dealer**

**(3) 100% Chemical-Free, Brine-Free Alternative** to conventional water treatment, designed to deliver premium quality water to the whole house.

**(4) The World Leader in Residential Irrigation Water Treatment** - pop-up, drip or mist.

**(5) Toll-Free Support Hot-Line** available six days per week at 1-800-466-7946.

**(6) Sustainable, Organic and Affordable Technology**

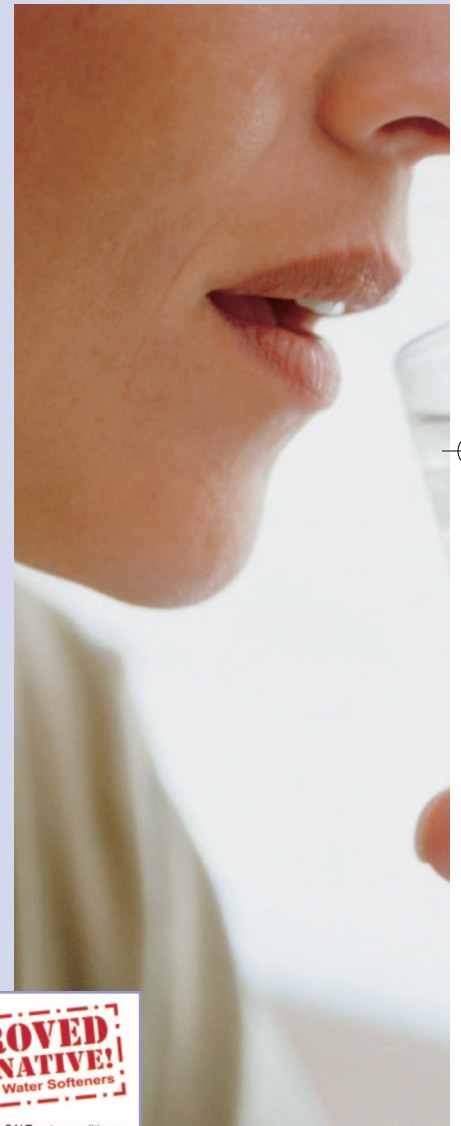


## ECOsmarte Point-Of-Entry Benefits Municipal

- Water tastes and smells clean and natural, feels soft without chemicals
- Eliminates bottled-water expense
- No filters or membranes to monitor and replace in the first five years, only a media change in years 5 thru 7
- Will not cause scaling or sediment build-up on your faucet's and showerheads
- Scale elimination increases efficiency of appliances, reducing electricity expense and extending life
- No municipally costly and "environmentally unfriendly" chloride or brine backwashed into the sewer system. Meets restrictions for Los Angeles County, Orange County, Riverside County, San Bernardino County and Livingston County, MI -- areas with zero brine discharge ordinances.
- "Wetter water" significantly reduces amount of water required to keep your yard and foliage lush and green
- Approved device in the State of California for the removal or reduction of volatile organic chemicals (VOC's)



**"Mineral ions are safe and essential for humans, plants and animals, and Ecosmarte leaves the healthy calcium and magnesium in the water."**



**APPROVED ALTERNATIVE!**  
To Salt Based Water Softeners

NO-SALT water conditioners have been reviewed and approved by the Santa Clarita Valley Sanitation District in California as an accepted alternative to salt based softeners, meeting all guidelines as salt free water conditioners.



### ECOsmarte Believes...

- (1) By the year 2015** Point-of-Entry Water Treatment Equipment will be standard on new construction of all types. The "greening" of America is pointing architects and contractors to ECOsmarte.
- (2) By the year 2015** most major U.S. cities will have banned brine in residential backwash sewage, effectively eliminating water softening. California, Michigan, and Florida lead this trend.

**ECOsmarte is located adjacent to Minneapolis/St. Paul International Airport and Mall of America and welcomes your visit.**

**enefits**



An effective whole-house water treatment system is an expensive, yet extremely valuable investment. After your home and your car, very few dollars you will ever spend will compare in value to the daily benefit you and your family will receive from drinking, bathing, cooking and washing in clean, treated water.

As you research available systems, ECOsmarte is confident you will select the only technology that removes the undesirable items while giving you fresh, odor-free water from the point-of-entry to the point-of-use.

If a better system were available, ECOsmarte would simply incorporate or license components.

With over 20,000 customers and over sixteen years we are confident you'll love your water.

**(3) You will choose our planet** and people friendly system, because it's the right choice for the best overall water.  
**(4) Brine to septic systems** encourages corrosion, leaking and should be minimized. ECOsmarte is an approved alternative in chloride discharge ban areas.



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# The Experts Agree...

## ECOsmarte™ Systems

consume 1/10th the energy of ozone, have no toxic potentials and have the science and corporate credibility to back them up. These systems will pay for themselves with money saved on filters, membranes, salt, chemicals, soap, electricity and water.

## Medical College of Wisconsin

Dr. Robert Morris has been the featured health and water expert on Dateline NBC. Dr. Morris and colleagues at the Medical College of Wisconsin concluded, after examination of 10 previous studies on the cancer-causing abilities of chlorinated water: *"There is a clear pattern between consumption of chlorinated water and rectal and bladder cancer."*

-Dr. Robert Morris

## American Journal of Public Health

Halina Szejnwald Brown, Donna Bishop and Carol Rowan contrast their estimates of skin absorption versus drinking for three toxic chemicals: Toluene, Ethylbenzene and Styrene. Depending on both the compound involved and the body region exposed, skin can act as a fairly strong barrier to chemical entry or no barrier at all. Their analyses were based on data published for the hand, one of the least porous areas of the body.

Their most surprising conclusion related to swimmers: Of the total chemicals taken in by a swimmer, 83% to 91% entered the body through the skin.

## The World Health Organization

*"Modern diets are marginally deficient in many elements, and therefore, the contribution of hard water or a daily intake of lithium or magnesium, or particular other elements may make a difference between optimal and sub-optimal intake. Also, chemical forms of many of these elements in water are different from that in food. In food, there may be some chelating agents that prevent immediate absorption of certain elements, and even if they are contained in very high amounts in food, their absorption comes down to perhaps a few percent."*

-Dr. Masironi

## The Washington Post

The EPA raised "skin absorption chlorine" to its Top 10 Carcinogen watch list, June 1994.

**Remember:** Skin absorption of chlorine occurs in your shower, bathtub and swimming pool or spa. Unless you have an ECOsmarte Swimming Pool or Spa System, you are at risk to this toxic absorption.

**Minneapolis, MN**

**Toronto, Canada • Oslo, Norway**

**Amsterdam, Benelux • Manila, Philippines**

**• Phoenix, AZ • Los Angeles, CA • Boulder, CO**

**Chicago, IL • Topeka, KS • Lewistown, MT**

**Winston-Salem, NC • Bridgeton, NJ**

**Long Island, NY • Enid, OK • Sioux Falls, SD**

**Nashville, TN • Gordonsville, VA**

ECOsmarte™ Systems meet



State of California Ansi Std 61, Taste and Odor Control standards.

## You Owe It To Your Family Bottled Water Quality to Every Faucet...

### SCIENCE INFORMATION... ON THE INTERNET SINCE 1994

Anywhere in the world you can receive all of the technical information on our products by simply accessing our health and science technology information on the web. Sorry, no orders by e-mail accepted. New testimonials are added every month.

Look us up today at:  
[www.ecosmarte.com](http://www.ecosmarte.com)



THE WORLD IS COMING TO US



PLANET FRIENDLY®



**1-800-466-7946 WORLD HQ CALL TODAY**