

WATER TREATMENT  
COMPANY



**WATCH<sup>®</sup>**  
**ER**  
WATCH WATER  
*a Water Company*

2019 Edition

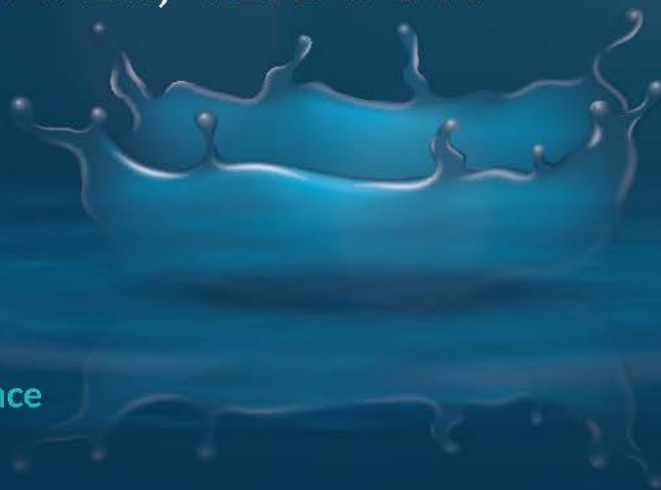
**PRODUCT CATALOG**  
**WATCH WATER, GERMANY**

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**40+**

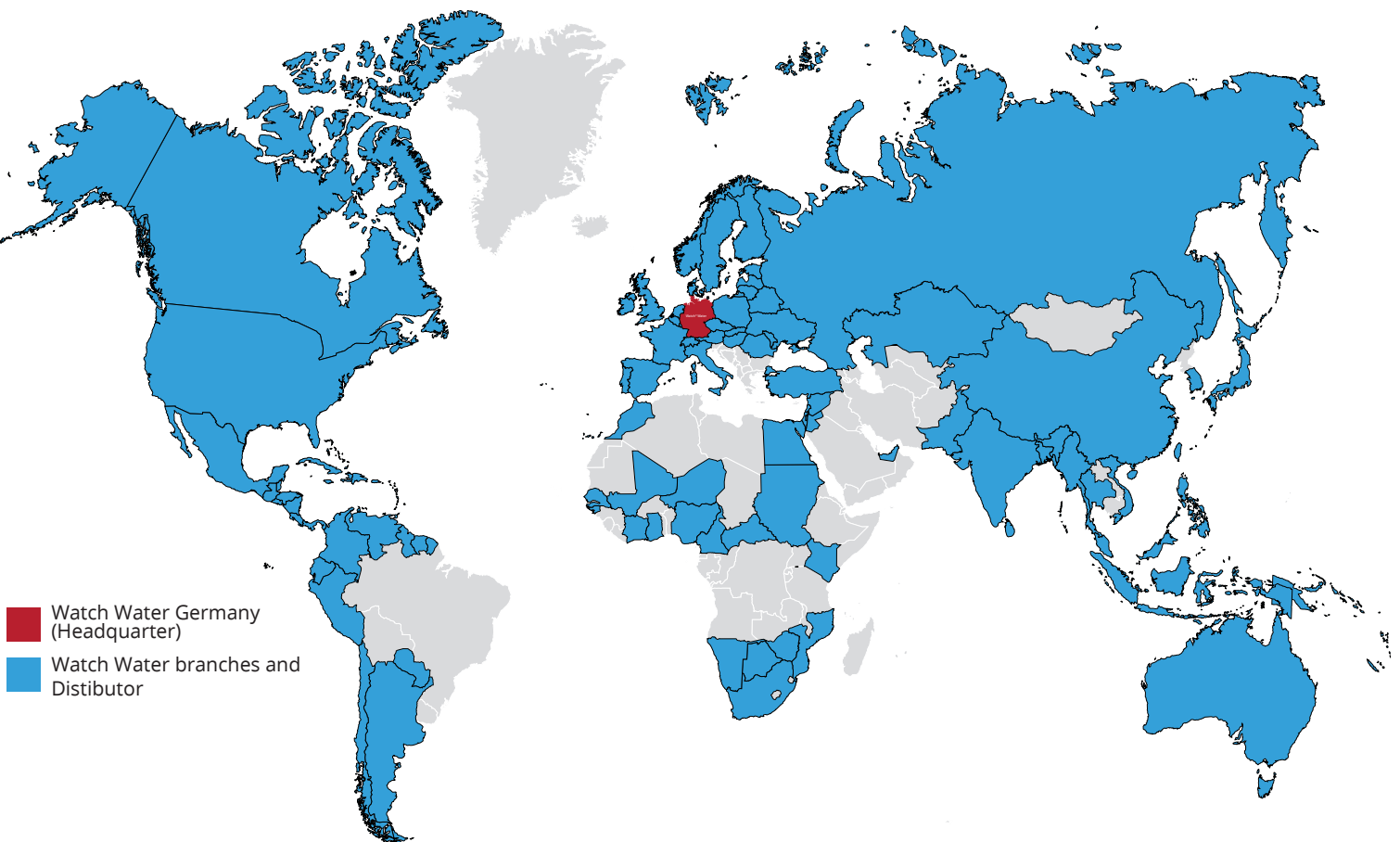
Years' of Experience



# Hello !

## Welcome to Watch Water's world of Water Treatment

*We offer world class water treatment products and keen on building long term satisfactions and commitments with our customers. We have multiple branches worldwide working throughout North and South America, Europe, Asia, Africa and Australia. We help our customers to learn Green Chemistry and save millions of dollars every year. The key factor in Watch Water's success story is developing new products to meet new standards and regulations.*



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## FILTERSORB SP3

Watch Water's core motivation for developing **Filtersorb-SP3** was to find an alternative to conventional sodium-based water softeners, ion-exchange resins or other chemicals. **Filtersorb-SP3 scale prevention technology** is based on **Nucleation Assisted Crystallization (NAC)** with many advantages to environment and cost-effective solution.

**Filtersorb-SP3** completely takes care of primary cause of scale forming cation Viz.  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$ .

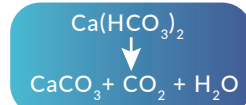
### Application

- Coffee and Tea-machines
- Irrigation
- Swimming pools and SPA
- Dairy Processing
- Winery and Beverages
- Planting and Gardening
- Automobile Washing
- Hotel, Restaurants and Institutions
- Vending appliances



### ADVANTAGES

- No Salt Required
- No Backwash Required
- No Regeneration Cycle Required
- No Sodium Content in Water
- No Maintenance
- No Chemical Feed
- No Electrical Connections
- No Drain
- No Control Valves



## FILTERSORB CT

Watch Water® has developed **FILTERSORB® CT** (Combine Treatment), the more efficient and simple treatment to prevent all kinds of scale. **FILTERSORB® CT** combines the two types of **FILTERSORB®**: the **FILTERSORB® SP3** and the **FILTERSORB® SPA**. **SP3** prevents cationic scale (based on positively charged ions) such as Calcium and Magnesium. The **SPA** prevents anionic scale (based on negatively charged ions) such as Sulfates, Silicates and Phosphates (Calcium phosphate).

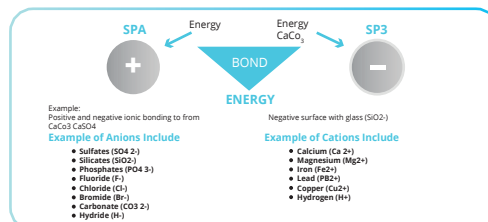


Total Hardness = Temporary Hardness + Permanent Hardness

Filtersorb CT = Filtersorb SP3 + Filtersorb SPA

### FEATURES

- No Regeneration
- No Electric valve heads
- No Chemical feed
- No Wastewater outlet



### GENERAL CHARACTERISTIC

Base	Modified ceramic beads
Apparent Density	700-720 kg/m³
Particle Size	0.55 - 0.75
Packaging	60 liter drum
Certificate	NSF/ANSI 61
Flow Direction	Up Flow
Life Span	5 - 7 years

**FILTERSORB® CT is a Nucleation and Exothermic Combination**

## SCALETRAPP

Watch Water® has introduced **SCALETRAPP** for a breakthrough in **Scale Prevention & Passivation Technology** with a complete unit of **TWO-STAGE** water filtration system. **SCALETRAPP** system consists of **Filtersorb - SP3** for scale prevention of temporary hardness in stage ONE. In the second stage **SPA(MGO)** filter material for enhancing the **corrosion control** and reduction of dissolved metals.

### Application

- Water heaters
- Coffee Machine
- Washing machine
- Vending Machine
- Dish washer
- Steam Oven's
- Drinking water
- Home appliances

### ScaleTrapp System

ScaleTrapp system takes advantage of this electric sorting by drawing the temporary hardness in the first chamber and splitting the water into second chamber. One chamber with **Filtersorb SP3-(S)** for temporary hardness and the second chamber with **Filtersorb SPA (MGO)** to treat permanent hardness with anionization process to make clean and healthy water because the system does not have any Ion- Exchange, membrane or mechanical filter.





## ZEOSORB

**ZEOSORB®** has been introduced for the process of purification of drinking water and wastewater due to its large specific surface area and the selective adsorption of substances, such as ammonia, dissolved organic matter and many other cations.

**“ZEOSORB® is an absolute replacement of conventional sand and multimedia filtration with many benefits and excellent filtration performance.”**

### FEATURES

- Reduces Turbidity < 3 Micron
- Controls Chloramines Formation
- Greater Surface Area
- Life Span: 10+ years
- Reduces backwash time by up to 50%
- Naturally Green Product
- High Capacity Filtration

### Main Application

Filtration ground water, Surface water, Wastewater, Swimming pools, and Reverse osmosis pre-filtration.

### Secondary Application

Reduction of heavy metal traces and cation adsorption



## KATALYST LIGHT

**KATALYST LIGHT®** is a revolutionary filter material for **removal of Iron, Manganese, and Hydrogen Sulfide**. It also allows reduction of heavy metals, arsenic, radionuclides and filter particles up to 3 microns. The capacity for removal has been proven in numerous facilities, which makes the **KATALYST LIGHT®** best choice for a wide variety of applications.

### Filtration (≤ 3 µm) of:

- Total Suspended Solids
- Sediments
- Turbidity
- Organics
- Color
- Odor

### Removal of:

- Iron
- Manganese
- Arsenic
- Hydrogen sulfide
- Uranium, Radium
- Heavy Metals
- Radionuclide

**“Certified to NSF/ANSI 61 & 372 compliance”**



### Advantages

- High content MnO<sub>2</sub> coating
- High Surface Area
- Light Weight
- High removal efficiency
- Higher Filtration rates
- Life span: 7-10 years
- Low operational costs



## CRYSTOLITE

**CRYSTOLITE®** is an excellent **Microfiltration Media** material in the world capable of removing particles up to **0.5 microns** and allows it to **reduce SDI & suspended solids**. It provides a significant savings on constant cartridge changes which are normally required in common processes.



### Main Application

Filtration of fine particles (up to 0.5 microns) and SDI reduction.

### Secondary Application

Reduction of Ammonia and Heavy metals

### Features

**NO**

Maintenance and control backwash pumps

**LOW**

Head loss  
Energy consumption  
Supervision  
Maintenance cost

**LESS**

Backwash frequency  
Electricity  
Backwash water

**“CRYSTOLITE® filtration is an alternative to all microfiltration membranes”**

## ACTIVESORB-CX & ACTIVESORB-AG

**ACTIVESORB® CX** is a catalytic, high activity granular activated carbon manufactured by steam activation of selected coconut shells.

### REMOVAL OF

- › Taste
- › Odor
- › Chlorine
- › Dissolved organic contaminants
- › Hydrogen sulfide from potable water



### APPLICATIONS

- › Municipal drinking water treatment, Residential water
- › Treatment systems - POE/POU, Beverage Production
- › Protection of ion exchange resins from chloramines
- › ACTVESORB AG for Pharmaceutical steam purification

**ACTIVESORB® AG** is an advanced silver-impregnated coconut shell based granular activated carbon specifically designed to avoid bacterial growth inside active surfaces. Delicate processes which requires no microorganism growth, **ACTIVESORB® AG** is the solution.

### FEATURES & BENEFITS

- › Catalytic activity
- › Large and extensive internal pore structure
- › Optimized density
- › Maximum hardness
- › Low dust and turbidity
- › Excellent adsorption capacity
- › High volume activity
- › Rapid dechlorination
- › Low filtered water turbidity
- › ACTVESORB AG for Antimicrobial properties
- › Predominance of micropores



## CATALYTIC CARBON & CATALYTIC CARBON-MG

**CATALYTIC CARBON®** is made of activated coconut shell carbon. This Granulated Activated Carbon by **Watch Water®** is (highly activated) by **catalysed iron-hydroxide (Catalytic Structure)**, which enhances the adsorption of contaminants that have negative charge. **CATALYTIC CARBON®** is the only available Carbon in the market which is **regenerable**. Iron Catalyst has the highest Oxidation and Adsorption pores "Inside as well as Outside the Activated Carbon"

### REMOVAL OF

- › Suspended Solids ≤1 micron
- › Color and Odor
- › Trihalomethanes (THMs)
- › Heavy Metals (inorganic Including)
- › Humic Substances (organics)
- › Hydrogen sulfide
- › Phenols and p-nitro phenol
- › Arsenate, Arsenide, Chromium, Copper,
- › Tannins and Lignin
- › Chloramines
- › All kind of Dyes
- › Cyanide, Fluoride, Lead, Mercury & Selenium



### APPLICATIONS



Residential

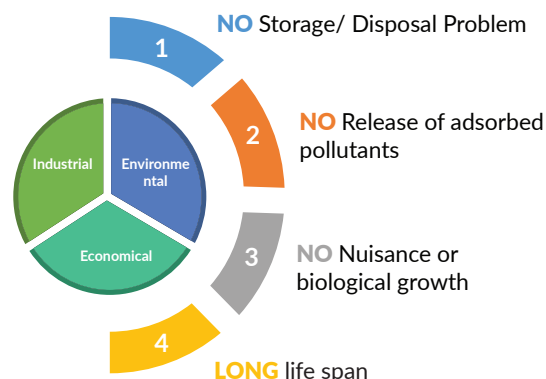


Commercial



Industrial

### Benefits of Regeneration



**CATALYTIC CARBON-MG** is a stable activated carbon adsorber with **Zero Valent Iron (ZVI)** activated with high **MGO** surface. **CC-MG** has extremely high adsorption capacity of fluorine- containing compounds to treat **PFAS** – contaminated water and can be regenerated using **SOLAROXY-3C**.

**MG-Coated** Activated Carbon **CATALYTIC CARBON-MG** can remove **PFAS**, **PFOS** and **PFOA** up to 99%.



## TITANSORB & TITANSORB-P

**TITANSORB®** is a revolutionary adsorbent based on titanium dioxide, for the removal of arsenic and heavy metals. It has the best arsenic removal capacity in the market: up to 60 g/Kg, offering a longest life span than any other adsorbents. In addition, it operates completely free of regeneration and the disposal of depleted material is not hazardous.

### ADVANTAGES

- ▮ Highest Arsenic Loading
- ▮ Highest purity and Low cost
- ▮ Operates in wider pH range
- ▮ NO regeneration chemical required
- ▮ Simple system design and start up

**TITANSORB®** is now also available as a *unique crystalline powder called Titansorb-P with high surface area* made by combination of crushing and sieving procedures. This gives access to a wide range of new applications of Titanium dioxide (TiO<sub>2</sub>).



### APPLICATIONS

- ▮ Carbon block technology
- ▮ Retention tanks
- ▮ Drinking water clarifiers
- ▮ Industrial waste-water system's

### REMOVAL OF

- ▮ Arsenic
- ▮ Cadmium
- ▮ Copper
- ▮ Chromium (VI)
- ▮ Lead
- ▮ Selenium
- ▮ Uranium
- ▮ Radium
- ▮ Nickel



## FERROLOX-X & FERROLOX-XG

**FERROLOX-X** is the Next Generation engineered Adsorber technology in modern water treatment with highest Adsorption capacity and extended filter life. **FERROLOX-X (Metal Organic Frameworks)** based Adsorber can selectively capture soluble **organic, inorganic** and rapidly removes **Heavy Metals in water**.

### Metal Organic Frameworks Technology

#### REMOVAL OF

- ▮ Arsenic, Antimony
- ▮ Chromium, Cadmium
- ▮ Selenium, Lead
- ▮ Silver, Nickel
- ▮ Copper, Manganese
- ▮ Mercury, Zinc

#### FEATURES

- ▮ Metal Organic Frameworks Technology
- ▮ Very large surface area
- ▮ High iron content
- ▮ Significant adsorption capacity
- ▮ Regenerable using SOLAROXY-3C



#### APPLICATIONS

- ▮ Drinking Water treatment
- ▮ Food and beverage industry
- ▮ Agriculture + Irrigation
- ▮ Municipal Water
- ▮ Metal Industry
- ▮ Water Reuse
- ▮ Condense Polishing
- ▮ Aquatic and aquarium water
- ▮ Waste Water Treatment
- ▮ Purification of sugar + Beverages
- ▮ Phosphorous Diffusion and Sorption
- ▮ Final Purification + Polishing

**Ferrolox-XG** an excellent **Carbon based Metal-Organic-Frameworks** Adsorber for Selective sensing and removal of troublesome **toxic gases** like **Hydrogen Sulfide (H<sub>2</sub>S)** and **Carbon dioxide (CO<sub>2</sub>)**.

#### FEATURES

- ▮ Degradation of toxic gases and vapours
- ▮ Adsorption of harmful VOC's
- ▮ Removal of multiple acidic gases
- ▮ Simple Regenerable adsorber
- ▮ Cost effective technology



#### APPLICATIONS

- ▮ Petroleum and Gas Industries
- ▮ Oil wells
- ▮ Indoor/Outdoor air
- ▮ All industrial Applications
- ▮ Sewage water and odour
- ▮ Waste water

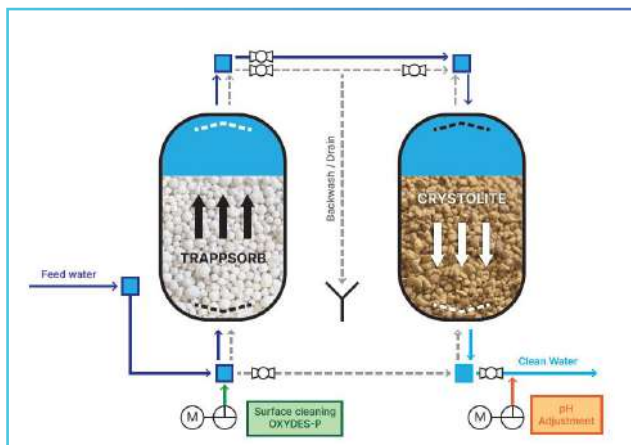
## TRAPPSORB

**TRAPPSORB** is an adsorber filter material which is **purest magnesium oxide** in the form of granules with unique outer surface and structure. **TRAPPSORB** is a porous, amorphous form of Magnesium (MgO), it is composed of a unique manufacturing process giving its uniformity and Macroscopic pores. **TRAPPSORB** have larger pores with a wide range of diameters for the wide range of applications.

### Major Advantages

#### Removal of

- Silica
- Boron
- CO<sub>2</sub>
- H<sub>2</sub>S
- Phosphates
- Suspended Solids
- Ammonia
- Heavy Metals
- Neutralization of all type of acidic water.
- Specifically designed for corrosive deionized, soft water and for enriching water with Magnesium and Calcium.



### APPLICATIONS



Residential



Commercial



Industrial

Watch Water's **TRAPPSORB (MGO BEADS)** are available with different **TRADE NAMES** as mentioned below for its wide range of applications for specific removal of contaminants.



#### BARIUMTRAPP

- Removal of Barium



#### CARBONTRAPP

- Capturing/TRAPPING of CO<sub>2</sub>
- Converting into valuable fertilizers



#### CORRTRAPP

- Passivation Technology
- Corrosion Prevention



#### SILICATRAPP

- Removal of Silica



## NITROTRAPP

**NITROTRAPP** is a world's first **High Capacity Adsorber** plus **De-adsorber** to selectively **Trap Nitrates**. It is the only best available method of **purifying** any water containing **Nitrates** and provides **healthy bicarbonates** in your water. Apart from higher capacity, the biggest advantage of **NITROTRAPP** is that, there is **no toxic** or high saline waste during deadsorption process. The water during deadsorption process is enriched with valuable nitrate fertilizer, which can be used for gardening or agriculture purposes.

"This can be achieved **ONLY** by **NITROTRAPP**, not by any other media, which are based on **Ion Exchange** or **Reverse Osmosis**"

### Deadsorption using

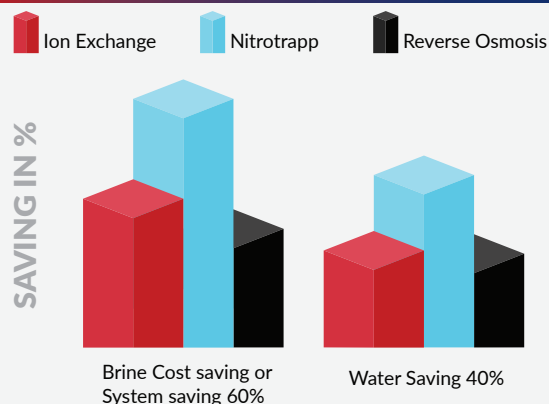
- Potassium Chloride
- Magnesium Chloride
- Magnesium Bicarbonate
- Potassium & Magnesium Hydroxide

### Adsorption of

- Nitrates from Aquarium and fish farming water & waste water, drinking water



### SAVING'S per SYSTEM





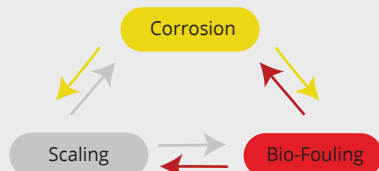
## INSTANT I-SOFT FAMILY

**INSTANT I-SOFT** Product combines valuable chemistry with innovation and expertise to deliver simple and the most proven cost-effective **INSTANT DOSING TECHNOLOGY** for water treatment industry.

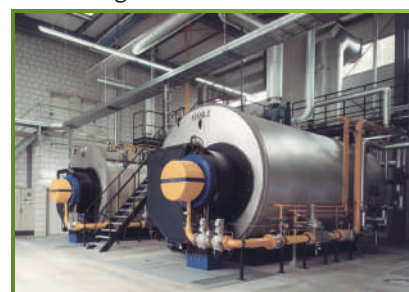
**INSTANT I-SOFT** is a complexing Agent and in addition to the I-SOFT (complex), we also offer corrosion inhibitors, Biocides, Oxygen Scavengers, Cleaning agents, Descalers and strong Oxidizers. All **INSTANT I-SOFT** products are biodegradable!

Environmental friendly, Safe & Biodegradable product

Protecting Any Water Treatment System Against



A 5 Kg instant bag makes 100 liters of dosing chemical



Form	Product Name		Addition Function
INSTANT	I-SOFT	-	<ul style="list-style-type: none"> <li>Municipal, Residential, Industrial, Commercial Water Application</li> <li>Scale &amp; Corrosion inhibitor for all pipes and equipments.</li> </ul>
	I-SOFT	DW	<ul style="list-style-type: none"> <li>Drinking Water applications, Food &amp; beverage Industries</li> <li>Scale &amp; Corrosion inhibitor for all pipes.</li> </ul>
	I-SOFT	ON	<ul style="list-style-type: none"> <li>Scale &amp; Corrosion inhibitor with Non-volatile Oxygen scavengers.</li> <li>FDA approved multi-purpose Hot Boiler Water Treatment.</li> </ul>
	I-SOFT	OV	<ul style="list-style-type: none"> <li>Scale &amp; Corrosion inhibitor with Volatile Oxygen scavengers.</li> <li>Multi-purpose Boiler (Steam Boilers) Water Treatment.</li> </ul>
	I-SOFT	NB	<ul style="list-style-type: none"> <li>Cooling Water, Heat exchangers, Air conditioners</li> <li>Multi-functional Scale and Corrosion inhibitor with Dispersant and non-oxidizing biocide for high silica and sulphate content in feed water.</li> </ul>
	I-SOFT	OB	<ul style="list-style-type: none"> <li>Municipal, Residential, Industrial, Commercial Water Application</li> <li>Most effective non-hazardous oxidizing biocide in the market.</li> <li>High Cycle chemistry!</li> </ul>
	I-SOFT	RO	<ul style="list-style-type: none"> <li>Guaranteed one dosage and all prevention of scaling &amp; fouling, such as silica, sulphate including barium and strontium scales.</li> </ul>
	I-SOFT	ROB	<ul style="list-style-type: none"> <li>Prevention of silica, sulphate, barium and strontium scaling and Bio-fouling.</li> </ul>

### Features

- Correct Dosing
- Continuous Operation
- Controlled Concentration of products
- Safety
- Cost effective
- Low Toxicity Technology
- Lower CO2 Emissions
- Ease of Disposal
- No Service
- Maintenance Costs

### ADVANTAGES

- No Waste
- No Extra cost for transportation and storage
- No Phosphonates, Phosphates, EDTA and NTA
- No Handling cost

## INSTANT OXYDES & INSTANT OXYDES-P

**OXYDES®-P** – A new methodology of Green chemistry which has many advantages over Salt Generator. **OXYDES®-P** reacts with added sodium chloride (NaCl) salts to create chlorine, a very strong Sanitizer that removes any additional contaminants found in water.

### APPLICATION/ FEATURES

- Control of Microorganisms
- Control of taste and odor
- Hydrogen Sulfide Oxidation
- Oxidizing Antimicrobials
- Iron and Manganese oxidation
- Disinfection
- Removal of ammonia
- Cooling Tower
- Pool and Spa application

### BENEFITS

- Powerful Oxidizer
- Completely disinfect organics
- No disinfect by-products (DBPs)



**INSTANT OXYDES®** is the best disinfectant which breaks down to oxygen, water and carbonates and the decomposition happens without the formation of any residues or toxic contaminants unlike chlorine, chlorine dioxide and potassium permanganate.

**INSTANT OXYDES®** is designed to prevent and remove bacteria and virus and their toxins from water to enter into these filtration systems and protects all kind of membrane systems.

### BEST SUBSTITUTE TO

Chlorine, Liquid Hydrogen Peroxide, Ozone, Chlorine dioxide, Strong Oxidants



## ROSOFT

**ROSOFT®** is a multifunctional antiscalant for RO membranes allowing operations at high recovery rates and quickly replacing the use of water softeners from various sources. Surface-Water Brackish-Water Waste-Water Sea-Water

**ROSOFT®** with the ability to inhibit and disperse scale forming compounds such as

- Calcium Sulfate
- Barium and Strontium Sulfate
- Calcium phosphate
- Metal Oxides
- Virus and Bacteria



**ROSOFT® One Product with Multiple Benefits**

## INSTANT BIOXIDE

**INSTANT BIOXIDE** is a very high class Bactericide, Fungicide and Algaecide that kills the growth of microorganisms without any harms on the environment and considered as **GREEN BIOCIDES**.

- Green Biocides - Protecting the world environment
- Cleans all surfaces and removes scale, corrosion and biofouling



## APPLICATIONS

## Industrial Water disinfection

- Paper Industry Biocide
- Oil and Gas industry
- Disinfection of fruits and vegetables
- Food industry
- Livestock industry
- Hospitals and Hotels
- Fishing industry
- Maritime industry
- Wastewater disinfection
- Reverse Osmosis
- Ion Exchange Resins

## BENEFITS

- NO corrosion
- Cost effective & Safe
- NO Toxic DBP's
- Simple & Fast
- Halogen free Disinfections
- Oxidizes

**"Killing the Bacteria is Not Cleaning"**

## I-SOFT DESCALER

**I-SOFT® DESCALER (ISD)** is an odorless, pink **INSTANT crystalline solid powder** that can be easily dissolved in water. Cleaning procedure with **I-SOFT® DESCALER** is a Green Technology and performs very effective cleaning. **I-SOFT® DESCALER** has largely replaced HCl and H<sub>2</sub>SO<sub>4</sub> cleaning process.

## APPLICATIONS

- Cooling Towers
- Evaporative Condensers
- Pipe lines
- Commercial buildings
- Low pressure Boilers
- High pressure Boilers
- Heat Exchangers
- Residential systems

- Quick removal of scale
- Remove or dissolve all kinds of deposits

## FEATURES

- No Waste
- Extra cost for transportation
- Extra storage
- Handling cost



## GREEN ACID &amp; SCALE-OVER

**GREEN ACID** is a product suitable to every application for scale removal due to its strong properties and contains Scale Inhibitors, Corrosion Inhibitors, and Trace color to ensure maximum efficiency use of scale removal. Non-corrosive **GREEN ACIDS** are safest to handle than traditional acids in the market. **GREEN ACID** can dissolve almost all of metal salts because of high Anion content. **GREEN ACID** is much stronger than HCl or H<sub>2</sub>SO<sub>4</sub>.

## BENEFITS

- Low Toxicological Risk
- Does not Contribute to Eutrophication
- 100% Biodegradable Formulation
- Odor Free
- No Gas Phase Corrosion
- Chemically Stable

## APPLICATIONS

- Cleaning & Disinfection of:
- Membranes (any)
  - Pipelines (any)
  - Heating Systems
  - Heat Exchangers
  - Boilers, Chillers, Pumps
  - Cooling Towers
  - All Beverage equipment's

Only One Cleaning for Descaling - Derusting - Biocleaning



## SCALE-OVER

**SCALE-OVER** is a concentrated **GREEN ACID**. To achieve the best results **SCALE-OVER** is usually utilized as a 5 - 10 % solution of the active **GREEN ACID**. **SCALE-OVER** is a 20% active solution as supplied.

**Fastest and Safest Biodegradable-DESCALER**



## SYSTEM



## OXYSORB

**OXYSORB** is a pure **OXYSORB** granule which produces a controlled release of active oxygen up to one year. Controlled release of **OXYSORB** increases dissolve oxygen and stops eutrophication in water bodies by maintaining a balance of **OXYSORB** for oxidation and aerobic degradation.

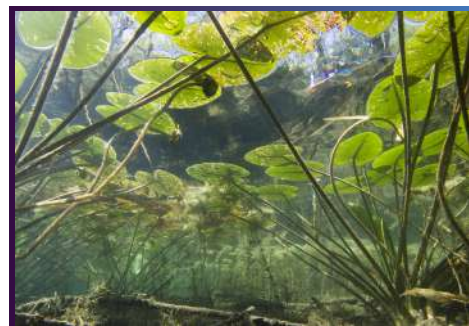
### FEATURES

- Reduce Nutrients & Nitrogen & Phosphorus
- Reduce volatile organic compounds
- Reduce Heavy metals
- Reduce eutrophication occurrences
- Reduce sludge-bed
- Improve water quality
- Improve beneficial dissolve oxygen
- Improve aerobic degradation

### Applications

- Surface water
- Ground water
- Biological Treatment
- Water reservoirs

Using **OXYSORB** in lakes, ponds, rivers, reservoirs & wastewater will immediately reduce Geosmins, Trihalomethanes, Chloramines, Phosphates, Nitrates and improve taste and odor from water reservoirs!



## SOILOXY

**SOILOXY** is a stable **OXYGEN** granule use in **SOIL** to increase production of agriculture farming through healthy **SOIL** and **ROOTS**. **OXYGENATED SOIL** assist organism to up take more carbon which consequently increases the aerobic process in soil and reduces odors by anerobic conditions.

### Features

- Agriculture farming
- Soil remediation
- Biological Treatment

Biodegradation decreases organic carbon, nitrogen and phosphorous.

The controlled release of oxygen is beneficial for increasing production in aqua farming & agriculture by maintaining a balance of xygen for oxidation and aerobic degradation.

"We can repair the climate & change the world by building healthy soil & air"



## BLACKOXY & WHITEOXY

**BLACKOXY** Treatment is done through a biological process and treating the leachate water at the source. Simple cost-effective application of **BLACKOXY** in landfill reduces the contaminated leachate water up to 80% and providing less load to existing treatment plant. Strong oxidation process and biological degradation of organics and nutrients from the source to leachate water.

**WhiteOxy** is a Chemical Oxidation of organics, Hydrocarbons, including heavy duty wastewater. The application of **WhiteOxy** creates strong oxidant and aggressive sulfate radicals along with permanent oxygen release technology to adsorb organics & inorganics and accelerate the biodegradation process.

### APPLICATIONS

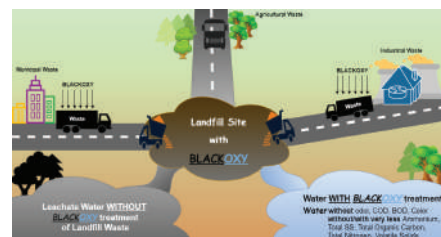
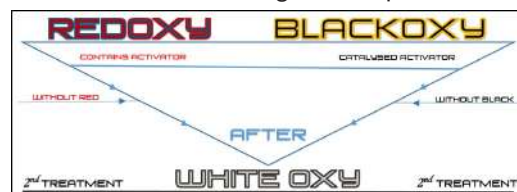
- Landfill leachate
- Biological degradation

### Features

- Reduces COD & BOD
- Reduces all pollutants & contaminants
- Treat all types of leachate
- Most cost-effective technology with minimal space

### Benefits

- Easy pretreatment process
- Reduce ammonia and hydrogen sulfide smell
- 100% biological treatment



## IN FLOW SEWERAGE TREATMENT TECHNOLOGY

**In-Flow Sewerage Treatment** is a simple dosing solution of Oxygen & Special Bacteria which treats the sewage wastewater within the pipes and reduce up to 70% load to existing wastewater treatment plant. **In-Flow Sewerage Treatment** technology provides a premium upgrade to all existing wastewater treatment plant with minimal investment cost and instant results.

### FEATURES

- In-Flow Sewage Treatment
- Treatment from source
- Low capital investment
- Upgrade existing technology
- Instant results
- Immediate Return on Invest (ROI)
- Automatic Dosing system/Manual dosing system

### Pollution Sources

- Roads
- Residential
- Industrial Manufacturing

"Larger Capacity  
with  
Same Infrastructure"



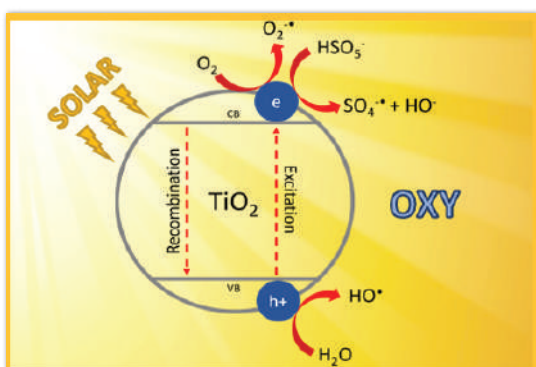
## SOLAR OXY-3C

**SolarOxy-3C** Technology is based on very advance oxidation process (VAOP) combine with photocatalytic **DEGRADATION** to destroy all water pollutions. The **CATALYST TiO<sub>2</sub>** uses the natural **UV** from **SOLAR** energy to produce **SUPER OXIDE** radicals and **HYDROXYL** radicals to degrade water pollutions effectively and economically.

- No Toxic by products or sludge produced
- Chemically and environmentally sound
- No Operational costs related to energy used
- Safe to use and a simple dosing system

### FEATURES

- Reduces COD & BOD
- Reduces all pollutants & contaminants
- Utilize Natural UV Energy
- Photocatalytic Degradation
- Instant Super Oxide Radicals
- Instant Hydroxyl Radicals
- Very Advance Oxidation Process
- Instant Sulfate Radicals
- Solar Disinfection
- UV-Oxidation



### Oxidative - Reductive Reactions of SOLAR + WATCH TiO<sub>2</sub> + OXY



## FERRIC-SG

**Ferric-SG** is a high capacity and controlled release **Ferric Sulfate Granules**. Free flowing granules are easy to handle and also widely suitable for any application from small to large water treatment facilities.

### FEATURES

- Algae Control
- Arsenic Removal
- COD/BOD Removal
- Phosphorous Removal
- Ammonia Removal
- Coagulation/Flocculation
- Color Reduction
- H<sub>2</sub>S removal
- Nutrients Removal
- Total Organic Compound removal

### Applications



High Capacity **FERRIC-SG**  
is  
**100%**  
**Aluminum &  
Copper Free**



Ferric Sulfate Granules is the most efficient flocculant for the treatment of any water treatment with pH level around 8 or above and with the combination of ADSORB<sup>®</sup> or ADSORB<sup>3X</sup>



## SALTFREE WATER SOFTENER

### RAPIDSOF

**RAPIDSOF** (SOFTNOR) is Scale Prevention system based on **Nucleation Assisted Crystallization Technology (Filter-sorb SP3)**. Salt-free Scale Prevention technology to prevent scaling and eliminate previous scales over a period of time.



### RAPIDSOF - PLUS

**RapidSoft-Plus** is a Scale Prevention system combine with **Corrosion Control (TRAPPSORB)**. The perfect alternative to conventional water softener by maintaining necessary minerals. **RapidSoft-Plus** performs passivation by adding Magnesium in water.



#### BENEFITS

- Remove pre-existing scale
- No Regeneration
- No Salt
- No Backwash
- No Electricity
- Easy Installation



## Applications

#### RESIDENTIAL

- Whole house Scale Prevention
- Water Heaters
- Tank-less water heaters
- Bath and shower

#### COMMERCIAL

- Hotels, Hospitals
- Car washes
- Catering services
- Cooling Towers
- Evaporators & Humidifiers
- Coffee and Tea Brewers
- Espresso Machine
- Steam ovens

## NITRO-SOFT SYSTEM

**NITRO-SOFT SYSTEM** is a **TWO in ONE** system for removal of **Nitrates and Water Softening** for whole house – **Point of Entry System**. Softening water alone is not beneficial for health and integrated system with **NITRO-SOFT** are beneficial for removal carcinogen like; **Nitrosamine, Nitrosodimethylamine and Trihalomethanes**.

#### TWO-In-ONE Technology

#### BENEFITS

- Remove Nitrates & Softening Water
- Easy and user-friendly installation
- Compact system for different household

### Nitro-Soft

"Removal of  
Nitrate &  
Hardness in  
One Process"



Three

One

Two

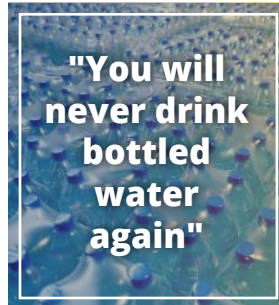


## SPECIAL FILTER (510 & 520)

**Special Filter** is a compact Scale Prevention filters for easy installation and provide the best clarity water for drinking water, coffee machines and tea. Special Filter has a high capacity in reduction of scale, chlorine, lead, heavy metals, bad taste, odor, cysts and organics.

### FEATURES

- Quick Change Cartridge
- Auto water shut off
- Up to 25,000 liters capacity
- 3/8" push fit
- Scale Prevention
- No Phosphate
- No Sodium
- pH Stable



## CarbonBlock-TS3

**CarbonBlock-TS3** Is the first ever **Activated Carbon Filter** combine with **Titansorb Powder** for high capacity of Heavy metal removal. The benefits of high removal of Organics as well as self-regenerable through Photocatalyst properties. The direct replacement for unnecessary reverse osmosis for drinking water.

### BENEFITS

- |                     |          |              |         |                        |
|---------------------|----------|--------------|---------|------------------------|
| Removes Chlorine    | Selenium | Sediment     | Arsenic | Exchangeable Cartridge |
| Nickel and Fluoride | Copper   | Heavy Metals | Cadmium | Heavy Metal Removal    |
| Taste & Odor        | Lead     | Chromium     | Mercury | Regenerable            |



**Remove 99% of Heavy Metals from Water**  
Rapid removal of Organic Micropollutants from Drinking Water



**Remove particle down to 10 micron**  
Remove most of volatile organic chemicals (VOC's)



Up to two times  
**Self Regenerating CARBONBLOCK TS3**



## UPCOMING PRODUCTS

### CarbonBlock-KL

Activated Carbon Filter with Katalyst-Light Crystalline Powder

### My Magnesium Filter

POU Filter: Quick Exchange Magnesium in Cartridge

### TitaniCarbon

Titanium Dioxide Coated Carbon – Fluoride Adsorber

### QES

Quick Exchange System

### My Titan Filter

POU Filter: Quick Exchange Titanium Dioxide Based Adsorber

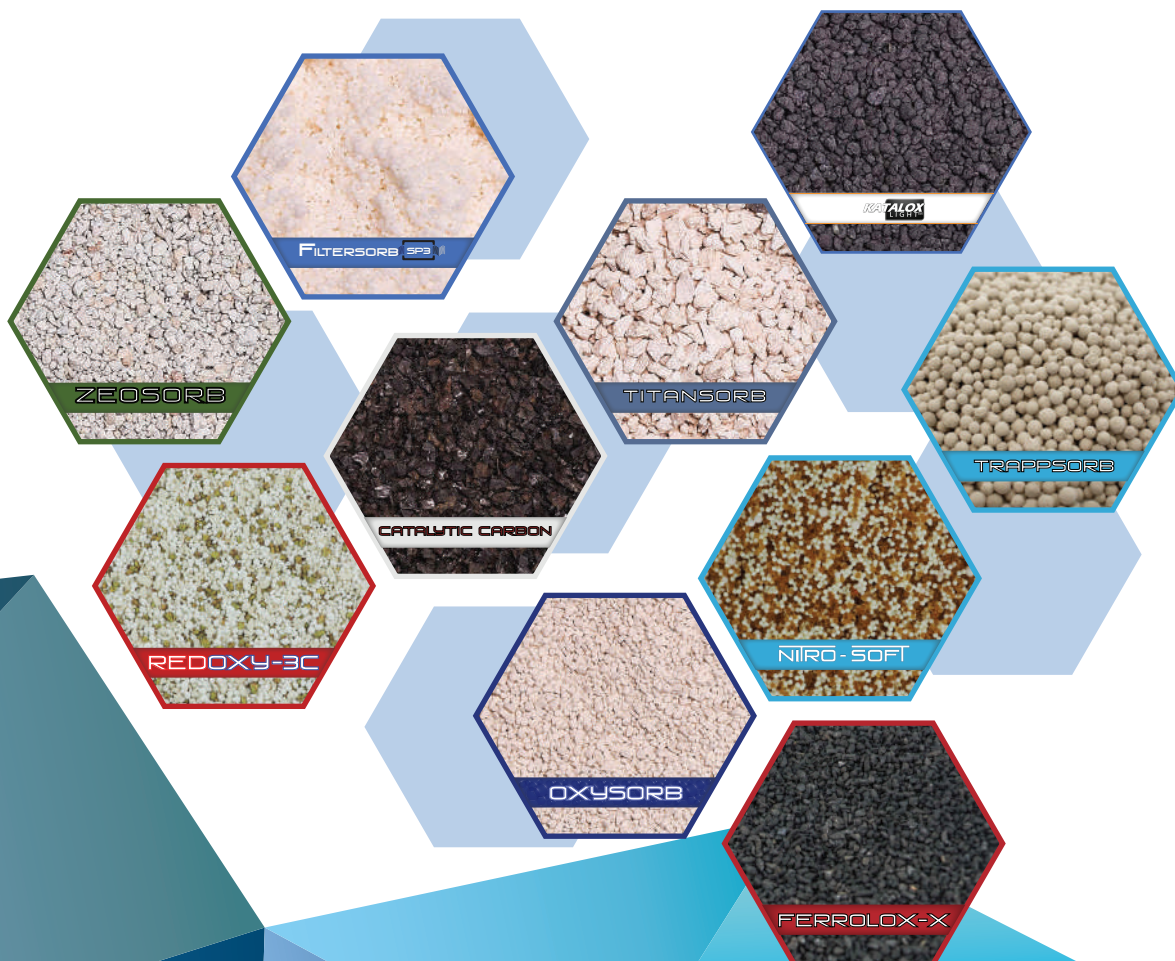
### Special Shower Filter

Multilayer Shower Filter



# WATCH<sup>®</sup> ER WATCH WATER

*a Water Company*



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