

BUILT FOR ANY INDUSTRY BECAUSE IT'S BUILT TO BE UNIQUE.

SEAWATER TREATMENT SYSTEMS



Ballast water, Wellboats, fish farming and processing plants all have one thing in common - seawater. Biolonix has an automated solution to effectively treat your process.



SEAFOOD PROCESSING

Whether you're farming, harvesting or transporting, Biolonix has an automated solution to keep your product safe and fresh.



MEAT CHILLER BRINE DISINFECTION

From brine chillers to pre-slicing sprays to pre-packaged washing, Biolonix has a multitude of solutions to fit your liquid treatment needs.



CHEESE BRINE DISINFECTION

From brine chillers to pre-slicing sprays to pre-packaged washing, Biolonix has a multitude of solutions to fit your liquid treatment needs.



POULTRY BRINE DISINFECTION

Our automated systems provide your brine with continuous protection to eliminate biofilms, yeast, mold, listeria and other harmful bacteria so you can operate safer and more efficiently.



INDUSTRIAL LIQUID STREAMS

Biolonix addresses treatment challenges for cooling towers, waste water discharge, fracking water, PPCP (pharmaceutical) removal and more.



NEW APPLICATIONS

Biolonix is constantly exploring new applications and designing new systems where our technology is a solution to fit your needs.



IT'S THE **ANSWER**
TO USING YOUR
RESOURCES **BETTER,**
USING **LESS** AND
USING **AGAIN.**

ABOUT US

At Bioionix, we know how important clean, reliable disinfection can be. That's why we keep innovating — developing green, chemical free liquid stream solutions for companies, municipalities and leading manufacturers. We're committed to helping organizations prevent illness, extend the life of limited resources and create safer, more efficient processes without compromising the quality of their products.



BIOIONIX

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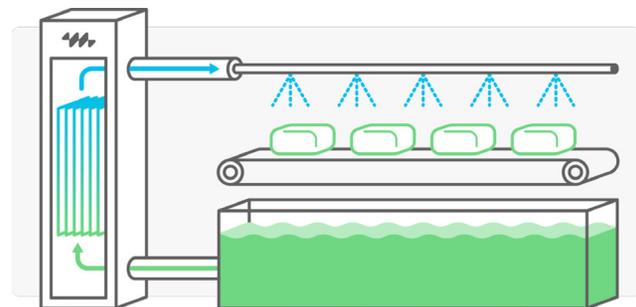


TECHNOLOGY

BREAKTHROUGH SCIENCE STARTS IN OUR REACTOR

As liquid flows through the Bionix reactor, high-performance catalytic plates produce our proprietary electrochemical field. The fluid is lit with electricity and millions of molecules split, creating extremely reactive oxygen- and chlorine-based disinfectants from the water itself. Hydrogen peroxide, chlorine dioxide and oxygen then go to work as hydroxyl radical—the world’s most powerful oxidant—flashes through the liquid stream in a nanosecond. At the same time, salts in the liquid generate hypochlorous acid, an extremely effective residual disinfectant that halts cellular metabolism. The combination of these safe and powerful Bionix SuperOxidants™ quickly destroys bacteria and other pathogens, while providing lasting disinfection through the stream.

Each system is integrated into your facility’s existing equipment, or installed as a stand-alone system. And our advanced automated control system monitors flow rates, power delivery and other parameters, providing reliable, round-the-clock performance while minimizing energy use. The result is a rugged, reliable disinfection system with many potential applications across a wide variety of industries.



INNOVATE WITH ADVANCED ELECTROCHEMICAL SYSTEMS DESIGNED TO INTERGRATE FLUIDLY



DISCOVER

We'll do discovery on site with your business to figure out exactly what application you need.



DESIGN

We'll create and install an application that's customized to you. Unique, every time.



SERVICE

We'll minimize downtime and set operating budgets with responsive service and scheduled inspections.

BENEFITS

IT'S THE ANSWER TO USING YOUR RESOURCES BETTER, USING LESS AND USING AGAIN.



BENEFIT 1

Bionix systems are safe, environmentally friendly, and chemical free.

No complicated moving parts, no dosing pumps, no costly shutdowns or man-hours spent closely monitoring the equipment. Every low-voltage Bionix system is built to work and built to last, with high-performance catalysts that deliver durable, energy-efficient oxidations. With automated systems, we make it easy to “set and forget” our installations.



BENEFIT 2

Simple, high-quality design makes our technology easy to operate and maintain.

No complicated moving parts, no dosing pumps, no costly shutdowns or man-hours spent closely monitoring the equipment. Every low-voltage Bionix system is built to work and built to last, with high-performance catalysts that deliver durable, energy-efficient oxidations. With automated systems, we make it easy to “set and forget” our installations.



BENEFIT 3

Our oxidation process can handle the toughest liquid stream challenges.

In our reactor, opaque liquids with high organic loads are disinfected with ease. Unlike UV radiation and traditional hypochlorite generators, our technology can directly treat turbid and colored liquid streams with suspended and dissolved solids. During oxidation, fats and proteins flocculate to the surface where operators can skim off the solids to reduce filtration system wear and tear. We even eliminate biofilms, which will substantially increase the life of your membrane systems.