

# SUPERSATURATED DISSOLVED OZONE FOR OXIDATION

## Our Mission

BlueInGreen empowers water treatment professionals to make a difference by making water treatment processes more efficient, more effective, safer and more environmentally sound.

## Our Method

With over 100 installations in North America treating over 7.5 billion combined liters of water each day, BIG offers the most efficient, cost-effective solutions for oxygenation, pH adjustment, oxidation and odor control.

## Our Solutions

Since 2004, we have expanded our offerings into two product lines: the Core Series, the ultimate in precision and control, and StreamLine, a more simplified solution. Each unit is custom-engineered to meet your needs.

## Our Pairing

The combination of Chart equipment and BIG technology delivers an end-to-end solution that consumes up to 40% less gas than other alternatives for the same level of treatment while featuring the smallest energy, carbon and physical footprint available.

## Our Reach



BlueInGreen is proud to be part of the Chart family of brands. We are backed by 3,800 employees globally, serving customers on 6 continents from key locations across the Americas, Europe and Asia. We are here for you, no matter where you are.

AWARD WINNER



## REMOVE SUBSTANCES YOU CAN SEE - AND OTHERS YOU CAN'T.



### HyDOZ® | Core Series

**Greater control and precision with a lower life-cycle cost.**

Built on proven BlueInGreen gas dissolution technology, the HyDOZ® offers unparalleled advantages for ozonation of water and wastewater. Whether eliminating DBP issues or minimizing the discharge of emerging contaminants, the HyDOZ® excels.



### StreamLineO3

**Industry-leading efficiency at a lower upfront cost.**

The StreamLineO3 offers highly efficient, highly effective oxidation at a lower capital cost than conventional equipment while also offering the same stellar support and service as BlueInGreen's Core Series. Because sometimes less is more.

## PROCESS



## OPERATION

### + Applications

- Dependable Disinfection
- Advanced Oxidation (AOP)
- Taste + Odor Control
- Sludge Reduction

### ✓ Benefits Up To

- **98%** Transfer Efficiency Rate
- **65%** Oxygen Recovery Savings
- **30%** Less Power Used
- **90%** Removal of CECs



Building Products



Food + Beverage



Mining



Municipal



Power



Pulp + Paper



Environmental



Waste Management



### Adjustable Efficiency

While we can provide up to 98% transfer efficiency, that's not always the most economical solution for you. Power, gas and water requirements also factor into the lifetime costs of a system. We consider the total project cost, not just efficiency, to give you a BIG solution.



### Flexible Solution

No matter where your water is, we can treat it. BIG can deliver dissolved ozone wherever your system calls for it: pipes, tanks, basins, channels. You name it.



### Dissolution Experts

With over 10 years of experience, BIG employs a team of industry-leading designers, engineers and technicians. We are the gas dissolution experts, and we can prove it.



### Recovery Line

Oxygen is a terrible thing to waste. Only BIG has an oxygen recovery line, which automatically captures as much as 65% of the undissolved oxygen for other oxygen requirements in the facility, further reducing operational costs.



### Fewer DBPs + Emerging Contaminants

Ozone inactivates bacteria, viruses and other potentially harmful organisms while removing a broad range of endocrine disruptors, pharmaceutical compounds, hormones and other contaminants. Additionally, it can eliminate chlorine use in primary disinfection.



### Proud Partnership

With BIG, you're in good company. We directly partner with multiple ozone generation providers to offer an optimized solution and a streamlined purchasing process.



### Quality Guaranteed

We stand behind our technology. Every unit is factory-tested by our expert team of engineers at our U.S. manufacturing facility to ensure your equipment works both before and after it's installed.



### Single-Source Responsibility

We work directly with our parent brand, Chart Industries, to provide industry-leading gas storage and feed equipment, providing a streamlined purchasing process with single-source responsibility.

FEATURES + BENEFITS

#### ECONOMIC/OPERATIONAL



- Reduce/Eliminate The Need For Post Aeration
- Eliminate Chlorine In Primary Disinfection
- Future-Proof Against CEC Regulations

FEATURES + BENEFITS

#### SOCIAL/COMMUNITY



- Better Removal Of More Contaminants
- Mitigate The Risk Of Potential Carcinogens From Disinfection By-Products

FEATURES + BENEFITS

#### ENVIRONMENTAL



- Eliminate Cyanotoxins From Blue-Green Algae
- Mitigate Pharmaceutical Contamination Of Watersheds + Wildlife



## SAVE BIG WITH BLUEINGREEN

1

### Reduce or Eliminate Basins

Don't build a basin if you don't have to. Conventional technologies often need large concrete basins, which require significant civil work. Our technology can eliminate the need for unnecessary construction, further reducing costs.

2

### Bubble Control

Our patented technology fully dissolves ozone in water, eliminating bubbles altogether—keeping gas in the water and money in your pocket.

3

### Power Savings

By using variable frequency drives, our units offer the lowest cost of ownership on the market. With our efficient treatment technology, you pump less water, use less power and save more money.



CHARTWATER  
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