



Ozone with Nano Bubble Technology for Poultry & Aquaculture

Water Sanitation & Air Treatment



www.ozoneengineers.com



25 m³/h Online System Installation



15 m³/h Online System Installation

Poultry & Aquaculture - Ozone Disinfection of Water

- Drinking water for poultry is an important dietary requirement. Under normal conditions, birds will consume, approximately, double the quantity as food on weight basis.
- Feed conversion has been positively correlated to the presence of sulfate and copper concentrations in the water and ozone effectively oxidizes them and can be easily removed by filtration.
- Increase in good water quality will enhance growth, egg production and egg quality will be good.

Advantages

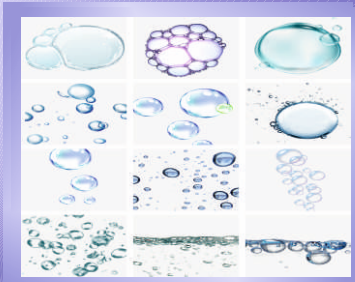
- Increase Dissolved Oxygen Level in Water.
- Improves Taste in Water.
- Oxygen Rich, Non Toxic Water.
- Reduce Waterborne Pathogens.
- Chemical Free Technology.
- No Harmful By-products.
- No Escalation in Pathogen Resistance.
- Environment Friendly Gas.
- Ozone is a EPA approved Anti-microbial Disinfectant & Sanitizer.
- Low Maintenance & Operational Cost.

Benefits

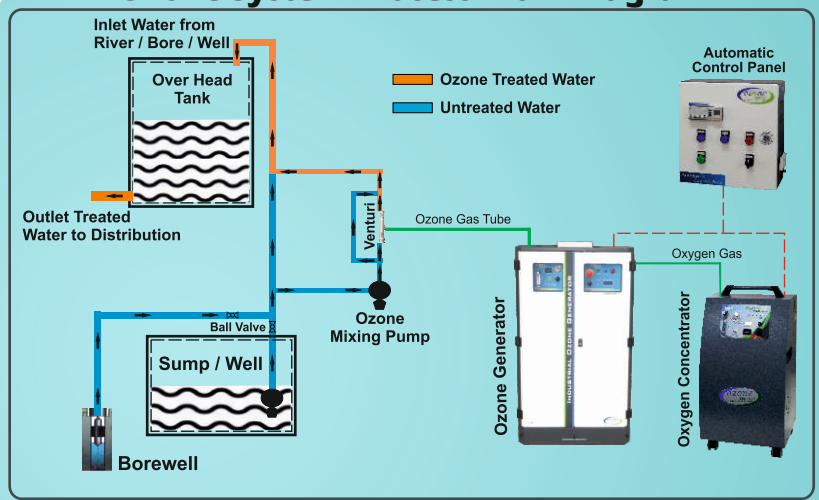
- Completely Kills Bacteria Like Coliform, E. Coli, Salmonella & etc. in water.
- Oxidizes Dissolved Minerals. (iron, manganese, hydrogen sulphide, etc.,)
- Capital Investment / No Running Cost Besides Electricity.
- Reduces Bio-film Formation Due to Total Suspended Solids.
- Reduces CRD Complaints.
- Eliminate Use of Other Water Sanitizers.
- Improves Animal Metabolism.
- Reduces MPN Count & Mortality
- Improves Feed Conversion & Layer Output.

Go Green with Ozone Save the Nature

Tiny Bubbles Making a Big Impact Across Industries



Ozone System Process Flow Diagram



What Are Nanobubbles?

Nanobubbles are tiny gas-filled bubbles with unique properties and numerous applications. Revolutionising multiple sectors, nanobubbles enhance efficiency and sustainability.

Macrobubbles
>1mm Normal size



Microbubbles
1mm – 1µm
Small but visible



Nanobubbles
<900nm
Invisible to the naked eye



Our Technology:

Our advanced technology efficiently infuses gas at saturation levels, storing more gas as nanobubbles in water or other fluids. Our nanobubbles sizes are **70-120nm**. This innovation maintains ideal dissolved oxygen levels in a tank for an entire/more days, even in high temperatures exceeding 30°C.

The Proven Benefits of Nanobubbles

Nanobubbles are 2500 times smaller than a single grain of salt. They can be formed using any gas and injected into any liquid. Due to their size, nanobubbles exhibit unique properties that improve numerous physical, chemical, and biological processes.

Aeration, Oxygenation, & Gas Transfer

Conventional aeration technologies achieve less than 3% oxygen transfer efficiency at standard conditions (SOTE) per foot of water. Third-party testing confirms that nanobubble technology achieves >85% SOTE in just 2 feet of water, enabling dissolved oxygen (DO) levels to increase while using far less oxygen than any other aeration technology.

Nanobubbles are superior to all other scalable gas transfer methods because they:

Remain suspended and disperse to deliver gas throughout the liquid volume remain stable in liquid until they interact with surfaces or contaminants Continue to transfer gas to liquid until they collapse.

About Ozone Engineers

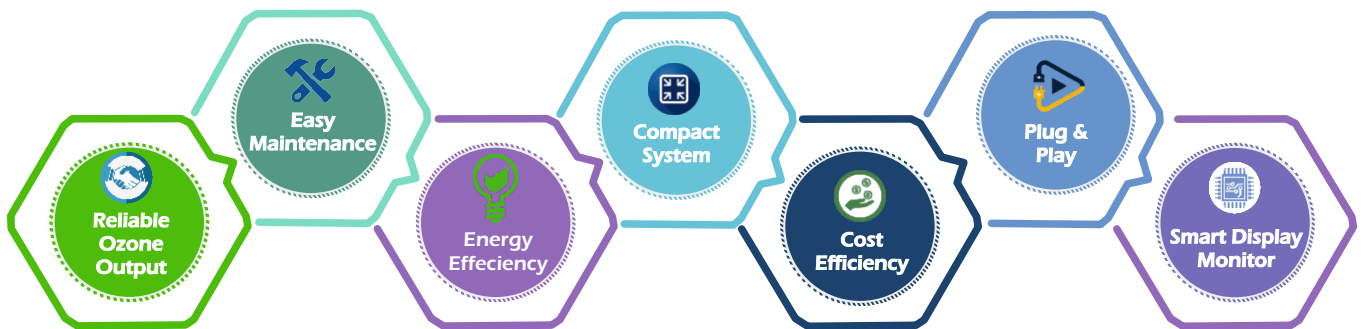
Ozone Engineers is one of the leading manufacturer of Water Treatment Products - Ozone Generators, Oxygen Concentrator, Oxygen Plant, Nanobubble Generator, Algae Control System and allied product based in Tamilnadu, India, established in 2012. We exports our products and their services to more than 35+ countries.

"we unite to make the world better" is the underlining moral for Ozone Engineers to continuous improvement of engineering research, customer satisfaction, top quality products, clean manufacturing practices and best after sales and services.

As a owner-managed company, we strive for a sustainable and growth oriented development. The customer is our focus. Ozone engineers are characterized by quality thinking, innovative strength, efficient process and responsibility. The pursuit of excellence in all areas is our driving force. The close partnership with our customers is the foundation of our success. We are convinced that with these strong values we will achieve our goal.

We manufacture the lowest cost, highest quality ozone products by utilizing diverse application expertise to serve multiple markets while maintaining the optimum balance of innovation, quality, cost, safety and ozone efficiency.

Why Ozone Engineers



Other Applications :

Agriculture

Food & Beverages

Bottling Water

Waste Water Treatment

Swimming Pool

Air Treatment and more...

Manufacturer & Marketed by

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❖ 10k Product Installation

❖ 150+ Poultry Installation