

OzoPure: Advanced Ozone Generators



Green Technology



Chemical-free Process



100% disinfection



Natural oxidizer



Decolorization



300 times faster than Chlorine

About Us

Prasinos Tech Innovations Pvt. Ltd is a clean tech startup pioneer in developing and promoting breakthrough scientific innovations and working towards translational research for **sustainable development and circular economy**.

SUSTAINABLE
DEVELOPMENT GOALS



They are currently focusing in the area of Process Engineering and Intensification from a commercialization point of view, thereby attempting to connect the dots between know-why and know-how using their own patented technologies.

Prasinos consists of a unique team of professionals and technocrats having several decades of experience in the chemical industry, innovation and troubleshooting, technology development & commercialization.

At Prasinos, we are committed to deliver innovative technological solutions considering the environmental regulations, which are practically cost-effective, energy-efficient, and eco-friendly.



Research at Prasinos Tech drives cutting-edge solutions through exploration of emerging technologies such as Ozone Systems, Hydrodynamic Cavitation, Ultrasound & Sonochemistry, Nanobubble Technology, Renewable Energies. Our focused R&D team transforms innovative ideas into real-world applications, ensuring our services stay future-ready and impactful for clients.

At Prasinos, we are committed to provide uninterrupted support with our services available 24/7. This ensures that our clients can access expert assistance, guidance and solutions whenever they need them, regardless of time zones or business hours. Whether it's troubleshooting maintenance, or critical updates, our dedicated team is always on standby, ensuring smooth and efficient operations for your business around the clock.

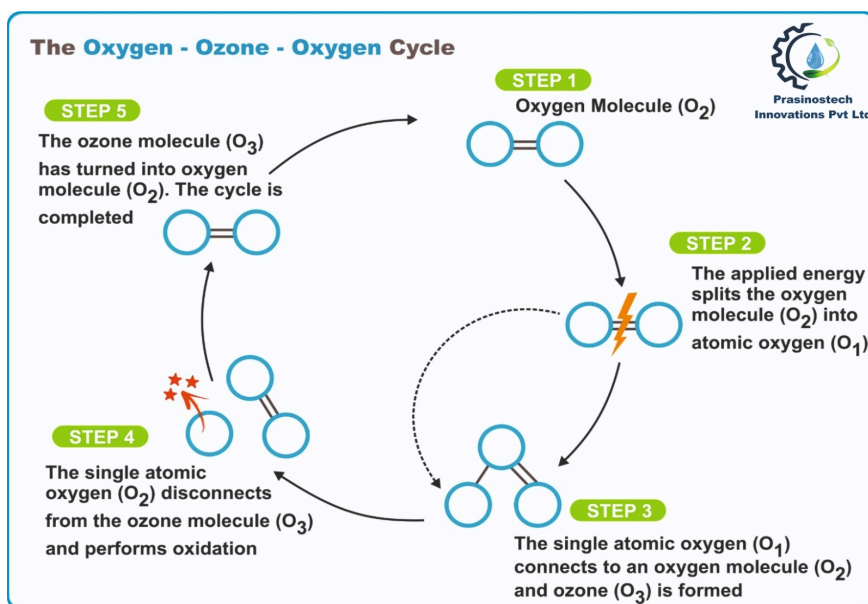
Green Technology

What is Ozone?

Ozone, known as "active oxygen," is a triatomic form of oxygen and a natural gift to humanity. It is a colorless gas with a distinct pungent odor, detectable at low concentrations of 0.02 ppm, and is over 3,000 times more effective as a disinfectant than chlorine.

Ozone provides a comprehensive solution for water treatment, addressing bacteria, viruses, algae, fungi, odors, discoloration, COD, and BOD. It disinfects, oxidizes, deodorizes, and decolorizes efficiently.

Generated onsite through an electrical discharge in dry air or pure oxygen, ozone quickly decomposes back into oxygen, making it a sustainable and eco-friendly option.



Benefits of Ozone

- ✓ Ozone is 51% more potent than chlorine in breaking down bacterial cell walls.
- ✓ It eliminates bacteria up to 3,000 times faster than chlorine.
- ✓ As the most powerful broad-spectrum microbiological agent, ozone offers unmatched effectiveness.
- ✓ It drastically reduces the reliance on chemical treatments.
- ✓ Ozone is a chemical-free alternative that leaves no toxic residues behind.
- ✓ Its only by-product is oxygen, making it a clean and eco-friendly choice.
- ✓ Even in low concentrations, ozone demonstrates exceptional disinfecting power.
- ✓ It is economical to produce and readily available in unlimited quantities.
- ✓ Ozone provides a safer workplace environment compared to conventional chemicals.
- ✓ It prolongs the shelf life of perishable food items.
- ✓ Ozone supports sustainable practices by enabling wastewater recycling.
- ✓ It lowers Total Organic Carbon (TOC), Chemical Oxygen Demand (COD), and Biological Oxygen Demand (BOD) in water effectively.

Ozo-Pure: AFI Series

(Air Feed Integrated Ozone Generators)

The AFI series ozone generator is a compact and cost-effective system, featuring a built-in oil-free air compressor for easy plug-and-play operation with consistent ozone output. Encased in a durable stainless steel 304-grade cabinet, it is designed for wall mounting. This versatile unit is perfect for a wide range of commercial and industrial applications.

Features

- ❖ Integrated oil-free air compressor
- ❖ Adjustable ozone output ranging from 0-100%
- ❖ Ozone output status indicator
- ❖ Overcurrent protection system
- ❖ Safety door switch
- ❖ Durable SS 304 stainless steel enclosure



Reliable Ozone Output



Energy Efficient



Easy Maintenance



Compact System



Cost Efficient



Plug and Play

Parameters		AFI-1	AFI-2	AFI-3	AFI-5
Ozone Output	g/h	1	2	3	5
	Wt %	2	2	2	2
Feed Gas Air	LPM	12-14	12-14	12-14	12-14
Fittings in mm	Air	6	6	6	6
	Ozone	6	6	6	6
Power	Input	230 V	230 V	230 V	230 V
	Watts	80	100	120	180

Ozo-Pure: IOC Series

(In-built Ozone & Oxygen Concentrators)

Our IOC series ozone system features an ozone generator, an integrated industrial oxygen concentrator, and other controls, all housed within a compact mild steel frame. Designed for ease of mobility and convenience, it is ready for use in a wide range of ozone applications.

Features

- ❖ Intelligent LCD Display for Monitoring and Control
- ❖ Ozone Output Status Indicator
- ❖ Protection Against Overcurrent
- ❖ Over/Under Voltage Safeguard
- ❖ Safety Door Switch
- ❖ Emergency Stop Button
- ❖ Water-Cooled Ozone Tubing
- ❖ Integrated Oxygen Supply
- ❖ Easy Plug-and-Play Setup
- ❖ Robust Mild Steel Enclosure
- ❖ Overheat Protection
- ❖ Water Flow Detection Sensor



Reliable Ozone Output



Compact System



Energy Efficient



Cost Efficient



Easy Maintenance



Plug and Play

Parameters		IOC-10	IOC-20	IOC-30	IOC-50	IOC-100	IOC-200
Ozone Output	g/h	10	20	30	50	100	200
	Wt %	8	8	8	8	8	8
Feed Gas O ₂	LPM	4	5	5	6	10	20
Fittings in mm	O ₂	6	6	6	6	6	6
	Ozone	6	6	6	6	6	6
	Cooling Water	10	10	10	10	10	10
Power	Input	230 V	230 V	230 V	230 V	230 V	230 V
	Watts	700	800	900	1000	2100	2700

Oxy-pure Series

(Industrial Oxygen) Concentrators

The Oxy-Pure Oxygen Concentrator utilizes PSA Technology to generate oxygen, drawing from ambient air as its source. Engineered for a continuous, concentrated oxygen flow, it combines advanced features with the reliability of a time-tested technology and exceptional quality. With a simple plug-in and turn-on process, it ensures consistent delivery of high-purity oxygen with dependability.

Features

- ❖ PSA Technology
- ❖ High-Performance Compressor
- ❖ Integrated Oxygen Purity Indicator
- ❖ Operational Hour Meter
- ❖ Primary Circuit Breaker
- ❖ Feed Gas Flow Regulator Valve
- ❖ Durable Mild Steel Housing



Compact System



Cost Efficient



Energy Efficient



Plug and Play



Easy Maintenance

Parameters		Oxy Pure- 5	Oxy Pure- 10
Oxygen Output	LPM	5	10
	Purity %	93 ± 3	93 ± 3
Feed Gas Air	LPM	100	120
Fittings in mm	Oxygen	6	6
	Pressure	9 psi	12 psi
Power	Input	230 V	230 V
	Watts	550	600

Other Ozone Accessories



Ozone Mixing Pump

Multistage pressure boosting pump used for ozone injection purpose.



Venturi Injector

Create a vacuum inside the injector body, ozone gas injection into water



Static Mixer

Static mixers shear ozone bubbles from the venturi.



Water Trap

Prevents water from entering into ozone system.



Pressure Gauge

Displaying the current amount of pressure in the system.



Ozone Stand

This is used for ozone machine & oxygen machine holding purpose



Water Flow Meter

Measuring the speed of water flowing through the pipe.



PTFE Tube

It's high corrosion and temperature resistance material.

Ozone Applications

Drinking Water



ETP



STP



Swimming Pool



Laundry Wash



Poultry Industry



Cooling Tower



Food & Beverages



Aqua Culture



Cold Storage



Pharmaceuticals



Household Ozone



Air Treatment



Odor Removal



Clean In Place



Our Prestigious Clients



Lloyds Metals and
Energy Limited



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Get in touch



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