

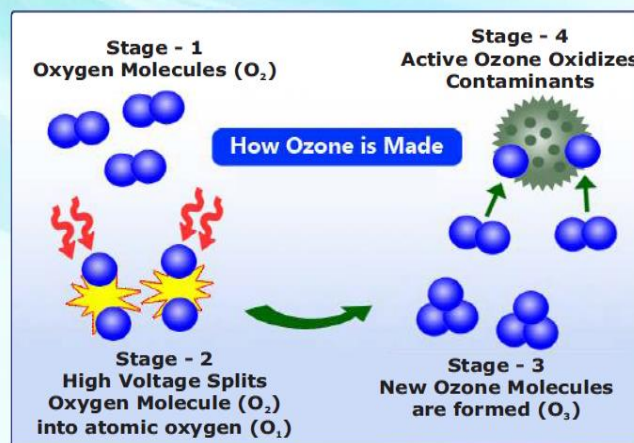
- ✓ Ozone Generator
- ✓ Oxygen Concentrator
- ✓ Ozone Air Sterilizer
- ✓ Ozone Destructor
- ✓ Ozone Monitor's &
- ✓ Ozone Accessories



Green Technology

What is Ozone ?

Ozone is "active oxygen", nature's special element and a beautiful gift to mankind. Ozone is a triatomic allotrope of oxygen formed by recombination of oxygen atoms. It is a colourless gas with characteristic pungent odor and can easily be detected at low level of 0.02ppm. It is a very strong oxidant and is over 3000 times more powerful disinfectant than chlorine. Ozone is a one-stop solution to most of the water treatment related problems such as bacteria, virus, algae, fungi, colour, odor, COD and BOD. It disinfects, oxidizes, deodorizes and decolorizes. Ozone is generated by an electrical discharge through dry air or pure oxygen and is generated onsite because it decomposes to elemental oxygen in a short amount of time.



Benefits of Ozone

- Ozone is 51% more powerful on bacterial cell walls than chlorine.
- Ozone kills bacteria 3000 times faster than chlorine.
- Ozone is the most powerful broad spectrum microbiological control agent available.
- Ozone eliminates the use of hot water and conventional sanitizer.
- Ozone virtually eliminates all chemical usage.
- Ozone is chemical-free, it produces NO toxic by-products.
- Ozone has full FDA-approval for direct-food contact application
- Ozone is clean and environment-friendly, its only by-product is oxygen.
- Ozone is extremely effective as a disinfectant at relatively low concentrations.
- Ozone is very inexpensive to produce and has an unlimited supply.
- Ozone is much safer for employees than any conventional chemicals.
- Ozone extends the shelf life of food products.
- Ozone permits recycling of wastewater.
- Ozone reduces TOC, COD & BOD from the water

Ozone Products Ranges

Ozone Engineers manufacture ozonator wide range from **500 mg/hr** to **1 kg/hr** ozone capacity by air and oxygen as a feed gas.

Product Features

- ❖ Corona Discharge Technology
- ❖ Over Current Protection
- ❖ Short Circuit Protection
- ❖ LED Visual Ozone Status Indicator
- ❖ Air/Water Cooled CD Tube
- ❖ Over Temperature Protection
- ❖ LCD Monitoring
- ❖ Feed Gas Flow Control Valve
- ❖ Variable Ozone Output
- ❖ Power Reference Meter
- ❖ Safety Door Switch
- ❖ GRP Enclosure



Ozone Generator Models

IAE Series



Our IAE series ozone generator system is very compact and economy model with in built oil free air compressor, plug and play unit with cenprecent ozone output. It built on mild steel enclosure and wall-mountable system.

Ranges from **1 gm/hr to 5 gm/hr**, models are available for 220VAC / 110VAC

IA Series



Our IA series ozone generator are plug & play system control and remarkable ozone output. Ideal for a variety of commercial and industrial applications, the IA Series generators combine air-cooled ozone generation with onboard air compression all housed in a compact with GRP enclosure and wall-mountable system.

Ranges from **2 gm/hr to 5 gm/hr**, models are available for 220VAC / 110VAC

EO Series



The reliable, versatile, and cost-effective EO Series ozone generators are designed to satisfy a wide range of industrial applications. The EO Series generators are force air cooled system, ultra compact with GRP enclosure. This series works from oxygen gas or dry air feed to produce ozone gas.

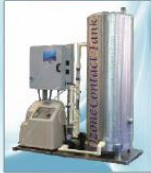
Ranges from **5 gm/hr to 30 gm/hr**, models are available for 220VAC / 110VAC

WO Series



The WO Series ozone generators the most flexible and easy-to-use ozone systems of their size, ideal for a variety of commercial and industrial applications for long run operation. The WO Series generators are water cooled ozone generation with all housed in a compact GRP/Mild Steel enclosure. This series works from oxygen or dry air feed gas to produce ozone gas. Ranges from **10 gm/hr to 1 kg/hr**, available for 220VAC / 110VAC

SD Series



The skid system included Ozone Generator, Oxygen Concentrator, SS Pump, Venturi Injector, Static Mixer, Water Flow Meter & Valve Control are housed in a compact stainless steel frame with compact design, easy to move & ready to use for all ozone applications.

Ranges from **10 gm/hr to 100 gm/hr**, available for 220VAC / 110VAC

IO Series



Our IO series ozone system included Ozone Generator, Inbuilt Industrial Oxygen Concentrator, other Control are housed in a compact mild steel frame with compact design, easy to move & ready to use for all ozone applications.

Ranges from **10 gm/hr to 100 gm/hr**, available for 220VAC / 110VAC

Lab Ozone



The Ozone Engineers Desktop medical ozone generator are designed specifically for laboratory and medical research applications. This Ozone Generators are designed to work in conjunction with Oxygen Flow Regulators providing an output of between zero and 1LPM.

Available in wide range of customized design.

OEM Ozone



The OEM Series ozone generators are built on the strong foundation of Ozone Engineers air / water cooled system. The rugged and compact design, with reliable industrial model, ozone generators are packaged in mounting plate for ready to use. The OEM Series have forced air cooling system is integration into all OEM mode

Ranges from **5 gm/hr to 20 gm/hr**, available for 220VAC / 110VAC

Multipurpose Ozone



Multipurpose Ozone Sterilizer domestic model for air & water treatment purpose, and also used for fruits, vegetables & meet wash etc., ozone originated from air with some pressure will be expelled from the exit. This model is easy to move, compact construction, low noise, low temperature growth and stable quantity of ozone production.

Ambient O₃ Monitor



Ambient Ozone Monitor With an integrated LCD display, audible alarm, relay outputs, and a choice of sensor ranges in 0-0.15 ppm, 0-0.5 ppm & 0-10 ppm. Use this monitor in many indoor and industrial applications including: leak detection, health and safety monitoring, and process control. Models are available in both variety wall mount & hand held

Diss. Ozone Monitor



The ATI & Hach Dissolved Ozone Monitor provides an economical and reliable measurement system for water quality monitoring and controlling ozone treatment systems. With a variety of outputs including 4-20 mA analog, PID control, three adjustable relays, and digital communications. This monitor is adaptable to any ozone application.

Diss. Ozone Tester



The Palintest Ozone Meter provides a simple means of measuring ozone residuals up to a level of 3.0 mg/l. Used in conjunction with the Palintest DPD method, it provides a level of simplicity and accuracy unrivalled in a portable, hand-held instrument.

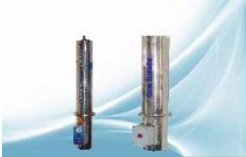
The New Contour Comparator offers an excellent solution to visual testing requirements. Measuring ozone residuals up to a level of 1.0 mg/l

Oxygen Concentrator



The PSA Technology concentrators produce oxygen from atmospheric air. Simply plug the unit in and turn it on for high purity oxygen delivery and reliably. We have models ranging from 5 & 9 LPM with oxygen purity up to 93%. PSA technology is a reliable and economical technique for small to mid-scale oxygen generation

Ozone Destructor



The energy introduced for ozone generation is released again during catalytic ozone destruction. This is therefore an exothermal catalytic reaction. Ozone gas (O₃ as metastable agent) enters the ozone destructor and disintegrates here releasing heat to produce oxygen (O₂ electron pair bonded oxygen) and leaves the device in this form.

Ozone Air Sterilizer



We manufacture a superb range of ozone air sterilization for domestic and industrial applications. With a superior portable design, these ozone air sterilization are ideal for eliminating contamination in air and unique energy-saving model, With superior control featured and durability characteristics these units are available as per customer requirement.

Static Mixer



This unit is a Polycarbonate housing with SS 316L blades and SS-316 pipe with flange type which unlike other static mixers, allows for a visual inspection of the mixing process. All static mixers are edge sealed to the inside of the housing standard with male BSP threads. Sizes are available from 1/2" to 2".

Venturi Injector



Venturi Injectors work by forcing water through a conical body which initiates a pressure differential between the inlet and outlet ports. This creates a vacuum inside the injector body, which initiates ozone suction through the suction port. All Injector come standard with female NPT threads. Sizes are available from 1" to 2".

Ozone Applications & Key Benefits

Drinking Water



- ❖ 100% Bacterial Free Water
- ❖ Improve Water Quality
- ❖ Tasty & Increase the Self Life
- ❖ Removal of Organic & Inorganic Matter.
- ❖ It produces No toxic by-products

Swimming Pool



- ❖ Decrease in Chlorine use
- ❖ Virtually Eliminates Harmful Chloramines
- ❖ No Eye Irritation & Skin Blackening
- ❖ Eliminates oils, lotions & other Contaminants in Water

Laundry Wash



- ❖ Save Hot Water Consumption
- ❖ Save Chemical & Energy Consumption
- ❖ Increase the Fabric Life
- ❖ Eliminate the use of Conventional Sanitizer
- ❖ Increase the Productivity

Poultry Industry



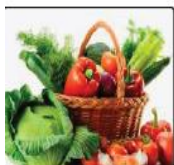
- ❖ Completely Kill bacteria in water like E-coli, Salmonella
- ❖ Improves feed conversion
- ❖ Increased layer output
- ❖ Increase DO level in water

Cooling Tower



- ❖ Ozone Decompose Bio Film
- ❖ Destroys all types of Microorganisms
- ❖ Controlled Scaling in Pipe Lines
- ❖ More Efficient Heat Transfer
- ❖ Virtually Eliminate all Chemical Usage

Household Ozone



- ❖ Fruit & Vegetable Washing
- ❖ Fish & Meat Washing
- ❖ Drinking Water Disinfection
- ❖ Food Preservation & Air Treatment
- ❖ Tableware Washing & Pets Cleaning

Air Treatment



- ❖ Removal of VOC's from the Air
- ❖ No Harmful By-Products - Ozone is a Green Technology
- ❖ Eliminate Odor Complaints
- ❖ Improved Air Quality & Work Environment

Waste Water Treatment



- ❖ Decolorization & Deodorization in Water
- ❖ Ozone Reduce COD, BOD in Water
- ❖ TOC & Sludge Reduction
- ❖ Ozone Permits Recycling of Wastewater
- ❖ Detoxification in Water

Sewage Treatment



- ❖ Oxidation of Dissolved Organic Matter
- ❖ Odor Removal in Water
- ❖ Decolorization & Deodorization in Water
- ❖ Disinfection & Recycling of Water
- ❖ Environmentally Safe Technology

Food & Beverages



- ❖ Process Water Treatment
- ❖ Ozone Extends the Self Life of Food Products.
- ❖ Product water disinfection & Sterilization.
- ❖ Clean in place (CIP) for pipes, tanks etc,
- ❖ Sanitization of work place

Aqua Culture



- ❖ Reduced Water Wastage & Chemical Usage
- ❖ Removal of Dissolved Organic Compounds
- ❖ Reduce of Waterborne Diseases
- ❖ Higher Standard of Environmental Control
- ❖ Increase the Productivity

Cold Storage



- ❖ Reduce the Level of Ethylene
- ❖ Air - Borne & Surface - Borne
- ❖ Mold Free Surface & Microbial Control
- ❖ Extends the Shelf Life & Reduce Food Spoilage
- ❖ Odor Control, Fresh & Clean

Pharmaceuticals



- ❖ Utilizes a short contact time
- ❖ Air Disinfection & Sterilization
- ❖ Sanitation - Water, Surface & Equipments
- ❖ Clean In Place - CIP
- ❖ Clean Room Sanitation

STP / Garbage Odor Removal



- ❖ Ozone is powerful oxidizer that brakes down odor mole cubes
- ❖ Chemical Free Air Purifier & Deodorizer
- ❖ Significantly Reduces Bacteria Growth
- ❖ Clean Work Environment