



**Amsons
Technologies**

Amsons Ozonics

Ozone Generators

Company Profile

Established in 2004, Amsons Technologies is driven by Mr Maisam A Moolji; a Former Project Consultant for various application Ozone Generators developed by him for a Mumbai based company using Corona technology with Ceramic, Quartz Glass and Silicon obtaining higher concentrated ozone gas for Water Purification which has been supplied for exports along with various other products. Amsons technologies also supplies Oxygen concentrator, Venturi Injection System, Ozone Mixing Tanks and Pumps. Development and implementation of new technology at a reasonable price is our motto.

What is Ozone ?

Ozone is Tri Atomic Oxygen, O₃ it is a very strong disinfectant & Oxidant. Any pathogen or contaminant that can be disinfected altered or removed via an oxidation process will be effected by Ozone. It is the strongest of all the molecules available for disinfection. In water treatment, ozone is more than twice as powerful as chlorine & act 3000 times faster. Ozone can be used as a disinfection deodorizer, detoxifies and a coagulant. Due to this properties, ozone is widely use in air, water & waste water treatment in variety of applications.

How is Ozone Formed ?

Ozone is naturally formed when lightning strikes or when ultraviolet light reacts with oxygen in atmosphere. We use corona discharge technology to breakdown oxygen gas and convert it into ozone gas. It is like a lightning packed in our electrodes! Only a very small fraction of air is converted into ozone. This ozone-air mixture is then taken out of the machine and then injected in air or water for the specific application. The use of ozone is not new to human beings. Ozone was first used to disinfect water hundred years ago.

Ozone Information

- Latest & time tested technology in US & Europe.
- Effectively destroys Bacteria, Viruses, Fungi, and Algae & Spores.
- 1.33 times more powerful than chlorine.
- Ozone has a micro-flocculation property.
- O₃ destroys organism such as Phenols, Pesticides, Herbicides & PCBs.
- Oxidizes inorganic such as Cyanides, Sulphides & Nitrites.
- Removes Colors & Odors.
- Reduces COD & BOD.
- No harmful Disinfectant Byproducts (DBPs).

Salient Features Of Amsons Ozonics

- ▶ Ceramic / Quartz Dielectric.
- ▶ Air cooled / Water cooled technology.
- ▶ SS / MS model available.
- ▶ Circuit protection / Flow control.
- ▶ Stainless steel ozone electrode
- ▶ Corona Discharge Technology.
- ▶ High Frequency IGBT Based.
- ▶ PLC based Model Available.
- ▶ Compact & Easy to Operate.
- ▶ Rugged and Long Lasting.

VS Series



Specifications:

Input Voltage: 230 V AC, 6 Amperes.
Corona High Voltage Quartz Electrode
Water Cooled/Air Cooled Ozone Cell
Output Power : 0-1 amps Current
Silica Gel Dried Air /Oxygen In Feed Compatible
Mild Steel/Stainless Steel Cabinet
SS Venturi Injection System
Capacity: 100mg - 5 grams/ hour.
Inbuilt Circuit Protection & Cooling Water Interlock.



OX Series



Specifications:

Input Voltage: 230 V AC, 10 Amperes
PSA Based Oxygen Concentrator >90%
Mild Steel/Stainless Steel Models
Water Cooled Technology
Constant ozone Output
PLC based system Micro Processor Base Electronics
Modular system with Multiple Oxygen Concentrator
Compact Model Available
Capacity: 10 - 500 grams/ hour.
Inbuilt Circuit Protection & Cooling Water Interlock.



Dome Series



Specifications:

Input Voltage: 230 V AC, 10 Amperes
Precision manufactured ozone Electrode jacket
Water Cooled System
Constant ozone output
Ozone tested using UV Calibrated Imported Sensors
Modular System
Compact Model Available
PLC based Micro Processor Model Available
Skid Mounted system
Ozone Mixing System Attachment
Venturi Injection System
Capacity: 500 - 2000 grams/ hour.
Inbuilt Circuit Protection & Cooling Water Interlock.



Where is Ozone used ?



Drinking Water



Swimming Pools



Sewage / Industrial Effluent Treatment



Pharmaceutical Process water



Air Purification



Laundry



Cooling Towers



Chemical Oxidation



Amsons Technologies

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