



Ozone Technology for Air Treatment



- 💧 Green Technology
- 💧 Chemical Free Process
- 💧 100% Disinfection
- 💧 Air Treatment
- 💧 Natural Oxidizer
- 💧 CIP - Clean In Place
- 💧 3000 Times Faster Than Chlorine

Mobile Air Sterilizer (MAS)

The **MAS** is engineered to produce high levels of **dissolved ozone in the air** to meet common disinfection and oxidation tasks. Ozone is a 'chemical-free' sanitizing agent leaving no residual, any excess of ozone breaks down into oxygen. Ozone has a short reaction time and requires a shorter contact time than chemical alternatives.



The **MAS** is best when you require ozone disinfection in multiple locations within a facility, different buildings, larger facilities, or when you simply want the convenience of mobility.

MAS is fully automated DUAL mode system **ozone disinfection** and **ozone destruction controlled by inbuilt ozone monitor**. The first cycle generates ozone to kill all airborne pathogens. The second cycle destruct ozone and converts it into oxygen ready to be occupied quickly.

Features

- Fully Automatic Control System
- Variable Ozone Output
- Ozone Status Indication LED
- Smart LCD Display Monitoring
- Emergency Stopper
- Automatic Ozone Destruction Process
- Ozone Monitor Inbuilt
- Mild Steel Enclosure



-  **Reliable Ozone Output**
-  **Smart Display Monitor**
-  **Dual Operations**
-  **Easy Maintenance**
-  **Plug and Play**

Technical Specification

Model	Ozone Output		Air Flow Rate CFM	Max. Treatment Area in Sq. Ft.	Power		Dimension L x W x H in mm	Weight Kgs
	gm/h	wt %			Input	Watts		
MAS-1	5	2	47	1000	230V	600	400 x 500 x 950	55
MAS-2	10	2	85	2000	230V	1100	450 x 550 x 950	65

Car Air Sterilizer (CAS)

Sometimes odors in a car accumulate before owners really notice them. Odor may be due to,

- ▶ Dog or any Pet Smell.
- ▶ Smoke Cigarettes.
- ▶ Toddler spilled chocolate milk or any food items which turn into bacteria, causing even more odors to develop.
- ▶ Dirty diapers, fast-food wrappers are among some of the items that contribute to odor problems in your cars.
- ▶ Oil and Grease stink after servicing.

So Ozone Car Air Sterilizer is suitable for all the individual car owners and service station to treat and sterilize the interiors of car.

Ozone is the most powerful oxidative agent that occurs naturally. With its extra free radical oxygen molecule, ozone is able to destroy germs, viruses, and microbes that may cause surface or air contaminations. Furthermore, ozone leaves no chemical residue typical of alternative detergent or synthetic cleaners, and if handled properly - by converting ozone back to oxygen molecules - it is one of the most effective sterilizing agents known.

Effectively removes odors, smoke, pollen, molds, Kills bacteria and viruses;

Powerful sterilizing effect : Kills 99.999% of 650 different kinds of pathogenic organisms (bacteria and fungi) in few minutse.

Safe and efficient : Does not use any liquids, harmful UV rays, harsh chemicals, or heat, and does not damage any surfaces. EPA registered.

Portable and Rugged : Clean and sterilize – Cars, Ambulances, Police and Military vehicles, Research facilities, Aircraft, Ships etc.,

Ozone car Sterilizer gives you maximum protection against COVID-19 with minimum effort and zero risk.

Features

- Variable Ozone Output
- Ozone Status Indication LED
- Automatic Timer Controller
- Power Status Lamp
- Stainless Steel Enclosure



Technical Specification

Model	Ozone Output		Air Flow Rate CFM	Max. Treatment Area in Sq. Ft.	Power		Dimension L x W x H in mm	Weight Kgs
	gm/h	wt %			Input	Watts		
CAS-2	2	2	25	250	12V DC	30	320 x 130 x 160	2.6

OAS Series

Ozone Air Sterilizer

Ozone Engineers manufactures a superb range of ozone air sterilization for domestic & industrial applications. With a superior portable design, these ozone air sterilizer are ideal for eliminating contamination in air. With superior control featured and durable characteristics these units are available as per customer requirement.

Features

- ✓ Variable Ozone Output
- ✓ Manual / Timer Operation
- ✓ Ozone Status Indication LED
- ✓ External Fuse
- ✓ Power Indication Lamp
- ✓ SS 304 Enclosure



Model	Ozone Output		Air Flow Rate CFM	Max. Treatment Area in Sq. Ft.	Power		Dimension L x W x H in mm	Weight Kgs
	gm/h	wt %			Input	Watts		
OAS-4	4	2	60	750	230V	80	450 x 180 x 200	7
OAS-8	8	2	100	1500	230V	160	450 x 180 x 200	8

Air Odor Sterilizer (AOS)

Air Odor Sterilizer is commercial model for air treatment purpose, the model is easy to fix the wall, there are 3 time durations for separate press on the timer button, It's eliminates any kind of bacteria, virus including corona, germs, airborne pathogens and other contaminants present in the air.

Features

- ✓ Compact System
- ✓ Timer Operation
- ✓ Continuos On & Off Programmer
- ✓ Power Indication Lamp
- ✓ Power Efficiency
- ✓ Mild Steel Enclosure



Usages

- Office Rooms
- All Production Area
- All Wash Rooms
- Pets Living Area
- Kitchen
- Bath Room

Model	Ozone Output		Air Flow Rate CFM	Max. Treatment Area in Sq. Ft.	Power		Dimension L x W x H in mm	Weight Kgs
	mg/h	wt %			Input	Watts		
AOS	500	1	5	250	230 V	10	175 x 65 x 220	1.2

Area of Usages

- ◆ *Hospital*
- ◆ *Operation Theater*
- ◆ *Room Fumigation*
- ◆ *Ambulance Sterilize*
- ◆ *Surface Sanitation*
- ◆ *Educational Institutes*
- ◆ *Hotel Rooms*
- ◆ *Restaurant & Bar*
- ◆ *Meat/Fish Shop*
- ◆ *Shopping Mall*
- ◆ *Fitness Centre*
- ◆ *All Vehicles*
- ◆ *Food Processing*
- ◆ *All Shops & Offices*
- ◆ *All mfg. Industries*
- ◆ *Production Line*
- ◆ *Disinfection Tunnels*
- ◆ *House Hold*

Air Conditioning



The collection of particulate organic material and condensation of moisture that occurs around the drip pans, condensation coils and duct work of air conditioning units creates the perfect environment for the growth of bio films. Not only do these lead to high levels of fungi and bacteria that become air borne and get transported around the building via air recirculating, but they also

reduce the efficiency and heat transfer of the systems. Airborne bacteria and fungi do not only present a major health hazard but also bad smell. By treating the air conditioning system with ozone, you can prevent the build-up of bio films, and consequently the build-up of bacteria and fungi. This will eliminate bad smell and the spread of health problems such as allergies, rashes, colds, viruses and legionnaires disease.

Polluted indoor air is a serious environmental health concern as well as an unpleasant experience for those subjected to it, not least when you are paying for the privilege to breathe it. Hotel rooms, if not properly cleaned and ventilated thoroughly, can hold a number of objectionable odors. Ozone can eradicate this problem. A specific problem is when guests have been smoking in a non-smoking room.

Hotel Rooms



Ozone's high level oxidation properties means that with just a short time of exposure, all the bad odors will not just be masked, but actually eliminated. The room is left with a fresh air and is ready for the new customer to use it. Ozone treatment also brings down the maintenance of carpets, drapes and other textiles utilized in the room.

Food Storage



Due to ozone's potency as an oxidant, use in food storage is a perfect application area. It can be utilized as a gaseous fumigant within a number of phases of food storage, including storage rooms, coolers, silos, and transport vehicles, fulfilling a number of functions in each stage. Ozone treatment of products prior to packing dramatically reduces bacteria levels, as

well as controlling *Listeria* and other pathogens, helping to extend the shelf life of the products. As well as the products being treated, the equipment that is used in the production process can be treated at the same time, thus increasing the efficiency of the process. Ozone treatment is also safe for ready-to-eat products as well as those that require further preparation. With the storage of harvested products, such as potatoes, ozone treatment implies that the problem of products rotting is greatly reduced due to ozone's ability to eliminate the harmful bacteria, such as *Erwinia* in the case of potatoes that cause the rot

Industrial Kitchens

Industrial kitchens often have a problem with their ventilation systems, majority of the air that passes through the ventilation system is heavy with grease, and can cause substantial problems for normal filtration systems, that become clogged and ineffective quickly. Filters are also quite ineffective against odor. By treating the off-gas with ozone, both of these areas can be addressed



Ozone reacts with the grease in the air thereby reducing the amount of grease and at the same time eliminates odor. The reduced level of grease in the off gas means that ducts and channels need less cleaning and maintenance thereby lowering operational costs.

Restaurants / Bars / Casinos



Use of ozone in restaurants, bars and casinos helps to maintain a pleasant atmosphere for customers by keeping the air clean and controlling the inevitable odors that occur in such places. Low concentrations of ozone can effectively oxidize micro-organisms that exist in the air causing bad odor, and also kill bacteria and viruses.

Mold And Mildew Removal



Mould is one of the top causes of allergic symptoms and can be found everywhere. Mould infects carpeting, insulation, walls, even the wood and brick framing inside your home. When they grow uncontrolled, moulds can gradually destroy the surfaces they are on by rendering them unusable, which makes removal of the surface the only alternative. The only traditional

way to actually get rid of the mould is to remove all visible mould, disinfect the surfaces, and reduce the level of moisture. Using ozone is a well proven way of hindering mould growth. Ozone's strong oxidation potential means that it actively kills airborne mould spores. It is also 3000 times faster as a bactericide than chlorine, as well as being safe for the environment. It is well documented that ozone offers a fast, thorough and environmentally friendly solution to mould and mildew problems.

Ozone can help with many kinds of odors in different kind of situations. It oxidizes and breaks down molecules that carry the odor in the first place, thus eradicating it. One example is the use of ozone as odor control within industry. Odor control is rapidly becoming one of the most discussed topics within industrial environmental concerns the reason for this increase in awareness lies in the expansion of urban populations into

Odor Removal



industrial areas. This has forced businesses to look into the problem of odor pollution emanating from their premises. Ozone can be used to treat the off-gas and thus eliminate the odor. It can also be utilized within industrial production facilities, in barns and breeding facilities. Ozone's high oxidation properties mean that it can effectively control many odors but it is important that every application is carefully analyzed and engineered. Every odor is in its own way unique and the ozonation system needs to be tailored to get a fully satisfactory result.

Fitness Centre



We have been showing you the different and varied applications in which the use of ozone will make the disinfection of key places more simple and effective, establishments in which it is necessary to maintain a clean and microbe-free environment. The **bad odors, viruses, bacteria and any pathogen**, end up destroyed at the root, thus achieving a more pleasant, healthy and unpolluted air. In a gym it is important that all users can

practice their exercises in the best possible conditions. In addition, thanks to the extra oxygenation of the environment, it will be possible **to perform the exercises with greater strength and energy**. Ozone is a gas that is a highly active form of oxygen.

About Ozone Engineers

Ozone Engineers is one of the leading manufacturer of Ozone Generators, Oxygen Concentrators, ozone accessories and allied product based in Tamilnadu, India, established in 2012. We exports our products and their services to more than 20 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.

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.

We manufacture Ozone Generators from 500mg to 2 KG machine for various water and Air applications.

Our Other Ozone Products



**Our Global Present
in 20+ Countries**



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Engineers
we unite to make the world better

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