



INTRODUCTION



In the health conscious world of today more and more attention is being paid to improve the quality of Water to preserve its freshness, and enhanced shelf life. In the selection of disinfectant eg. UV, Ionizers, Ozone, Chlorine and other Chemicals, the Ozone has emerged out as a distinctive winner. Due to the fact that either other disinfectants can not be used or they are not as effective in getting desired level of disinfection.

The advantage of Ozone, is its very strong oxidizing and disinfecting power, which is of great benefit in the treatment of Air, Water & Food items. Ozone decomposes back to Oxygen without leaving any undesirable reactants.

Mineral water required is to be deep disinfected before packing in absence of which the Water may have lower shelf life. In view of the above, water sterilization of water before packing is of paramount importance.

Present methods of sterilization using either chemicals or UV Lamps, is not a very effective method. Thus what is needed is a way to economically sterilize and disinfect product water to eliminate all bacteria virus and any other kind of infection. Today, many leading names in the Food & Beverages Industry are turning to Ozone treatment to sterilize and purify the Water.

WHAT IS OZONE GAS

Each molecule of Ozone contains three atoms of Oxygen and chemically written as O_3 . Its light blue in colour and high energy excited state of Oxygen. Ozone gas is detectable due to its distinctive pungent odour. It converts back naturally to Oxygen and this makes it the preferred choice for disinfection of Water, Air and Food items.

Ozone is detectable due to its distinctive pungent odour. Below the lowest safe continuous exposure limit of 0.1 ppm, there is no danger to the persons working in that environment. Moreover the studies have shown that alertness and efficiency of an individual working in Ozone environment increases appreciable.

HOW THE DISINFECTION TAKES PLACE BY OZONE

Ozone is very highly reactive and the strongest commercially available disinfecting agent. Ozone is the most efficient broad spectrum microbiological control substance available and the fastest oxidizing agent. It can literally oxidize material, causing disinfection in presence of water 3,200 times faster than Chlorine.

DISINFECTION SYSTEMS FOR AQUA FARMING

Fish Farming, Aqua Culture, Prawn Farming, Hatcherdes etc.

DEODORIZATION, FRESHENING OF AIR & AIR QUALITY MANGEMENT

Hotels, Bars, Restaurants, Dining Halls, Offices, Meeting Places, Schools, Clubs etc.

PROCESSING AREAS

Food Processing, Meat Processing, Packing Areas, Raw Material, Packaging Material & Finished Product Store, Mineral Water filling Area etc

WATER DISINFECTION

Drinking Water, Bottled Water, Ultra pure water, Water for medical applications, Water for Injections, Potable Water, Swimming Pool Water, Cooling Tower Water, Water For, Treated Effluent Water, Tubewell Water, Housing Societies etc.

DISINFECTION OF FOOD ITEMS

Food Processing, Meat, Fish, Vegetables, Cut vegetables, Dehydrated Vegetables, Dry Fruits, Spices, Milk Products , Cheese, Butter, Condensed Milk, Casein Powder, Powdered Milk etc.

BLEACHINGS OF FOOD ITEMS

Season Seeds, Wallnuts, Dry fruits etc.

STERILIZATION IN MEDICAL AREA

Hospital, Nursing Homes, Operation Theatres, Patient Rooms, ICU's, Micro & Pathological laboratories etc.

OZONE USE IN PHARMACEUTICALS EFFLUENT TREATMENT

Color Removal, Reduction of BOD,COD, Recycling of Industrial Waste Water, Washing Systems, Bleaching of Organics & Inorganic Substances etc.

CAN OZONE BE USED FOR DAIRY, BAKERY PRODUCTS AND OTHER SENSITIVE FOOD PRODUCTS?



Yes, Ozone is very effective in reducing Bacterial load from environment and product itself. Ozone drastically increases shelf life of product and thus the products will remain fresh for longer duration.

USE OF OZONE IN SWIMMING POOL SYSTEM

Offering Ozone for Cooling Tower, swimming pool, Ozone for Waste Water, Ozone for Chemical Application, Ozone in ETP Applications, ozone in waste water, Ozone Agriculture Applications, Ozone poultry Applications, ground water storage, Laundry water system, Cooling tower water treatment



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