

Ozone Generator



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 0.05 ppm. It is a very strong oxidant and is over 3000 times more powerful disinfectant than chlorine. 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 short amount of time.

Features :

- Easy to install and user friendly.
- Low power consumption.
- Highly automated.
- Compact and simple in design.
- Skid mounted systems available.
- High ozone concentration.
- Based on the principle of corona discharge.
- Modular in design with standard models ranging from 5 to 1000 g/h.
- Air/Water cooled electrode.
- Continuous and steady operation
- Skid mounted systems available.

Benefits of Ozone

- Ozone is 51% more powerful on bacterial cell walls than chlorine.
- Ozone kills bacteria 3100 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 generated on site, eliminating the transporting, storing and handling of hazardous materials.
- Ozone is very inexpensive to produce and has an unlimited supply.
- Ozone is much safer for employees than conventional chemicals.
- Ozone extends the shelf life of food products.
- Ozone permits recycling of wastewater.
- Ozone reduces Biological Oxygen Demand (BOD).