



**ELTECH OZONE PVT LTD** is the group company of **ELTECH ENGINEERS PVT LTD**, established in 1992. Eltech Ozone Pvt Ltd is an ISO 9001: 2015 and CE certified Indian Company manufactures different types of Ozone Generators from 1gm/hr to 2 kg/hr.

Eltech Ozone Pvt Ltd is formally for Ozone Generators virtually applications like Waste water treatment, Sewage water treatment, Effluent water treatment, Packaged drinking water, Swimming pool, Laundry, Cooling tower water treatment and Air purification like STP Exhaust, OWC exhaust / rooms, Kitchen exhaust, etc.

We are located in Mumbai, Dahisar at Diamond Industrial Estate, Near toll plaza, Off western express highway.

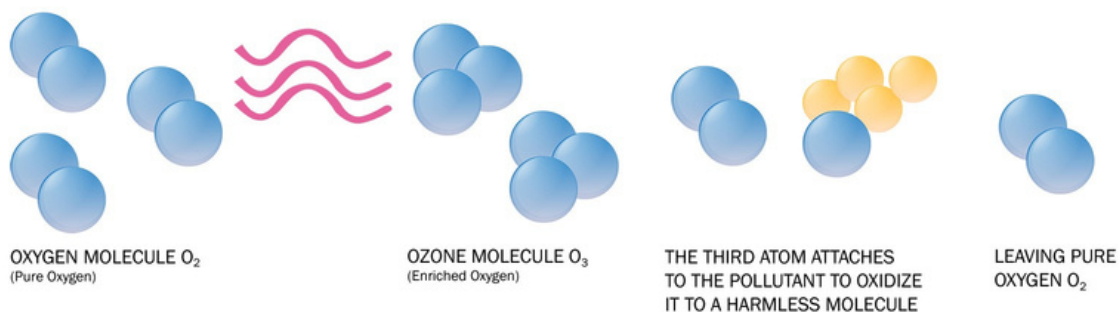
We have supplied industrial Ozonators to Sula Vineyards, Fruzanthe Hill Zill Wines.

## Properties of Ozone

Ozone is a gas that is formed by the breakdown of elemental, diatomic Oxygen ( $O_2$ ) and the recombination of a percentage of the oxygen atoms into a triatomic molecule ( $O_3$ ). Although normal oxygen, a component of the stronger oxidizing properties and reacts more quickly, often in fractions of a second, with a wide range of substances.

In addition, it is one of the most effective biocides known to science, better even than chlorine, bromine and other commonly used disinfectants. Unlike the latter substances, however, it does not form hazardous disinfectant byproducts (DBP's) such as dioxin and nitrites that are harmful to the environment or are toxic to animals and humans. Once ozone has fully reacted with substances in water or air, excess gas decomposes quickly to normal oxygen and is reabsorbed into the atmosphere.

Ozone can be generated from two sources: ambient air or pure oxygen. Because it reacts so easily with other elements and is inherently unstable, it exists for only a short time before combining with another substance or reverting to normal oxygen. Accordingly, it must be generated on-site at the point that it is to be used. Unlike chlorine and other dangerous disinfectants, it does not need to be handled, transported or stored, thereby posing little hazard to personnel at the facility. Finally, when used in proper concentrations, ozone is an effective corrosion inhibitor, and in the washroom context can reduce the need for substances like chlorine, which are extremely corrosive for equipment and fabrics.



## Ozone use in Winery

Ozone is used in the winery industry bleaching substances and for killing microorganisms in air and water sources, which is why it is used in wineries. Ozone being an effective oxidant, it is mostly used as a sanitizing agent and is used to control microbial growth and infection. Ozonated water is used at clean-in-place systems to controlling bacteria in barrels. Ozone can offer a safer, less costly and more effective solution than traditional chemical solutions

Although the properties of ozone have been known and studied since the mid 19th century, it is only during the last two decades that it has been applied in commercial and industrial contexts.

Initially, circa 1906, ozone was used as a clarifying, deodorizing and purifying agent in drinking and wastewater treatment plants in Europe, where it gained a level of acceptance over the years.

## Uses of Ozone In Wine Industry

- Barrel Sanitation / Barrel Washing
- Tank Cleaning
- Surface and Equipment sanitization
- Clean in Place of Piping (Process and Transfer piping)
- Dissolved Ozone Water & Direct Ozone for Irrigation in Vineyards
- Bottle Washing



## Ozone in Wine Industry for Water Treatment

Ozone with its strong sterilizing ability makes it very useful in many aspects of wine processing. Ozone can be used in everything from clean-in-place systems to control bacteria in barrels by sanitizing it. Often ozone can offer a safer, less costly and effective solution than traditional chemicals. Ozone fights against bacteria such as pseudomonas, flavor bacterium, streptococcus, legionella, etc. Ozone is especially effective against fungi and bacteria, which are the main cause of degradation of vines. Ozone is very efficient against these microorganisms.

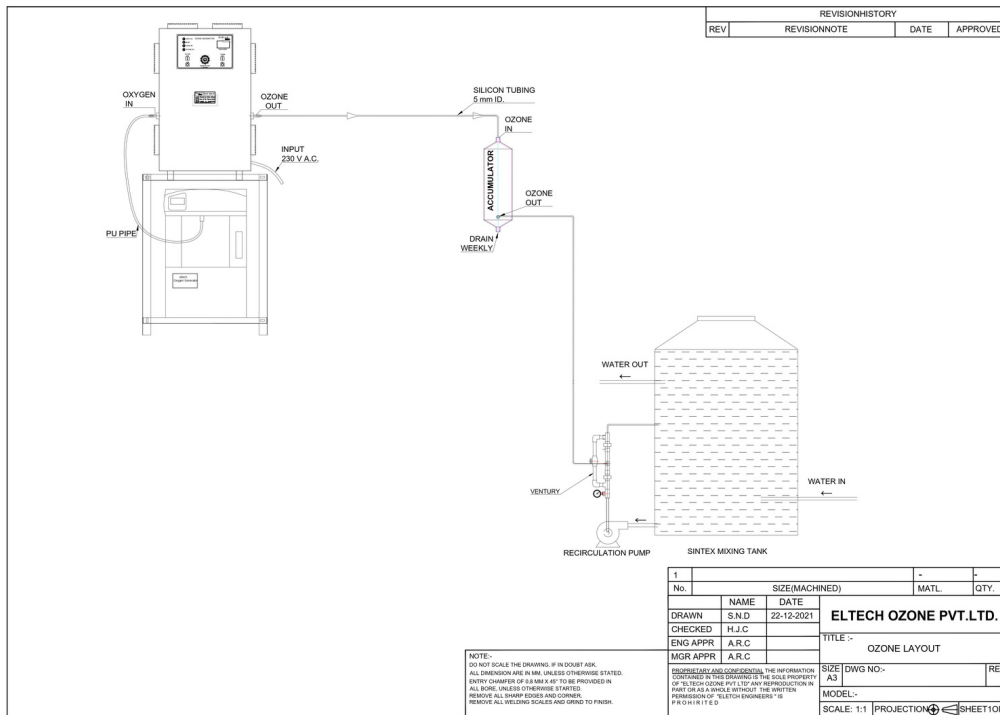
## Benefits of ozone in Wineries

- Higher sanitization quality.
- Saves time and energy.
- Reduces chemicals use by using natural ozone gas.
- Economical through sophisticated, yet easy-to-use integration.
- Ozone generation and contact systems are the world's most powerful cleaning process.
- More effective than chlorine in destroying viruses and bacteria.
- Clean, safe, and reliable, taking up less space, and less equipment than many chemical treatment/storage systems.
- Bacteria kill rate is up to 3000 times faster.
- 50% stronger oxidizer than chlorine.

# Eltech Ozone Pvt Ltd

## Sailent Features:

- Ozone generator system is suitable for achieving reduction in volatile organic compounds, organic odors in indoor environment.
- Ozone Generator system does not produce any hazardous by-products.
- Feed gas to ozone generator is industrial grade dry pure oxygen.
- Oxygen fed gas purity is 90-92%.
- MOC of Ozone Cell is Stainless/Aluminum with high dissipation design.
- Dielectric Tubes are fabricated of Quartz/ceramic to provide high efficiency.
- Electrode is air cooled (Model : O Series) and water cool (Model : G Series).
- The Ozone Generator is suitable for operation on 230V- 50Hz Single phase input power (Model : O Series) and Three Phase (Model : G Series).



Ozone Generator and Oxygen Concentrator

## ELTECH OZONE PVT LTD

### REGISTERED ADDRESS

A-109, Diamond Industrial Estate, Ketkipada Road, Dahisar (East), Mumbai-400068.  
Tel : 022-2897 2424 / 2626

### WORKS ADDRESS

Eltech House, Unit No. 006, 106, 206 & 306, KT Aspire Industrial Hub, Opp. Varun Industries, Near Infinity Square, Waliv Road, Vasai East - 401208.

✉ abd@eltech.in

☎ +91 98204-88050

🌐 www.eltechozone.com

✉ sales@eltechozone.com

☎ +91 98204-88055

📺 Eltech Ozone

📷 @eltechozone

✉ info@eltechozone.com

☎ +91 84509-85886

📘 Eltech Ozone