



**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 etc.

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

Ozone Generator for Agriculture is the latest technology for Organic Farming with higher growth and natural produce.

## OZONE GENERATOR FOR AGRICULTURE

Studies have revealed that replacing pesticides with ozonated water yields positive results, is environmentally friendly and does not leave any deposit on the produce. It aids in the production of organic food products.

Ozonated water used for Irrigation provides oxygen to the root making it free of virus, bacteria, fungi, seaweed, spores and any other microorganisms, and further promotes fast and steady growth, with more aliveness as well as more productivity.

Ozone improves the respiratory process at cellular level. The direct germicidal action of ozone is well-known against all types of microorganisms, such as fungi, bacteria and virus. Ozone fight against bacteria such as: pseudomonas, Flavobacterium, streptococcus, Legionella, etc. In the particular cases of fungi and bacteria which are the main cause of degradation of vegetables. Ozone is very effective against these microorganisms which are able to propagate and reproduce in harsh and extreme conditions also.

It is known that the spores mentioned are very resistant when the conditions are adverse for them and can remain for a long time in latency, being transferred from one place to another through air or other ways, until they again find propitious condition for growing, in this case it is extremely difficult to eradicate such infection using other alternates and in such cases ozone proves to be very effective and provides complete protection.

Ozone is a very powerful germicidal agent, which is able to eliminate parasitic bacteria's, virus, fungi and cysts, without forming toxic compounds or leaving harmful residues behind, since it decomposes back to oxygen. Ozone is extremely useful for irrigating fruit trees, vineyards and cultures in preventing them from deadly diseases.

## Why would you irrigate with ozone?

The ozone injected into the irrigation pipe disinfects and improves the quality of the irrigation water and also reduces the biofilm of the pipes.

If the ozone reaches the plants, it will also improve the absorption of nutrients. Plants will look more vigorous and healthy a few days after starting the treatments.

You can sanitize your crop and also boost the performance.

Ozone to eliminate Nematodes

Ozone to remove Fusarium

Ozone to remove Botrytis cinerea

Ozone to eliminate powdery mildew

Ozone to remove sooty mold

Ozone to eliminate rust

Ozone eliminate whitefly, tuta, aphids, thrips

Ozone for all types of farms

## Promotes Better Growth

Irrigation using Ozonated water consist greater amount of Oxygen content as ozone decomposes back to Oxygen once it comes in contact with impurities present in the water. The ozonised water that is used for irrigation is free from viruses, bacteria, fungi, seaweed, spores and any other microorganisms. Water in the absence of germs confers to the best conditions possible to obtain faster growth, the plant grows with more aliveness, more vitality and force and it will be able to grow within a very short duration of time (between 30 to 40 days from the beginning).

## Provides More Benefit

Irrigation using Ozonated water provides a more voluminous and productive harvest which is obtained in a very short duration of time, implying a huge saving in amount of water used for irrigation and the cost for fertilizer and additives which are further used to promote faster growth. The use of fertilizer and additives is reduced to almost 50%, when Ozonated water is used for irrigation purpose, due to which the cycle of maturation of crops is completed within a very short duration of time and represents the same size, strength and volume which are gained using fertilizers and additives.

## Advantages Of Using Ozonated Water For Irrigation

- Since Ozone is very strong germicidal agent, it almost eliminates infection causing microorganism and in return provides better product in terms of volume, weight, size, strength, nutritious value and taste.
- Ozone has very powerful and strong oxidation capability and thus destroys organic waste by oxidizing it.
- Ozone is very environmental friendly as it does not leave behind any harmful residues unlike other pesticides, fertilizers and additives used for growing crops as it decomposes back to Oxygen.
- Use of Ozonated water for irrigation ensures that plants grow more vigorously and are healthier, free from any kind of contagious diseases.

## Ozone treatment has shown:

- Strongest and most natural treatment for perfect water and safer farm practices
- Increase the resistance of the plants against certain microbiological pests
- Remove microbiological contamination effectively
- Yield results comparable to pesticide treatment
- Result in no chemical contamination of the soil
- Effectively sterilize the soil surface
- Leave no residue on the produce

## Case Study

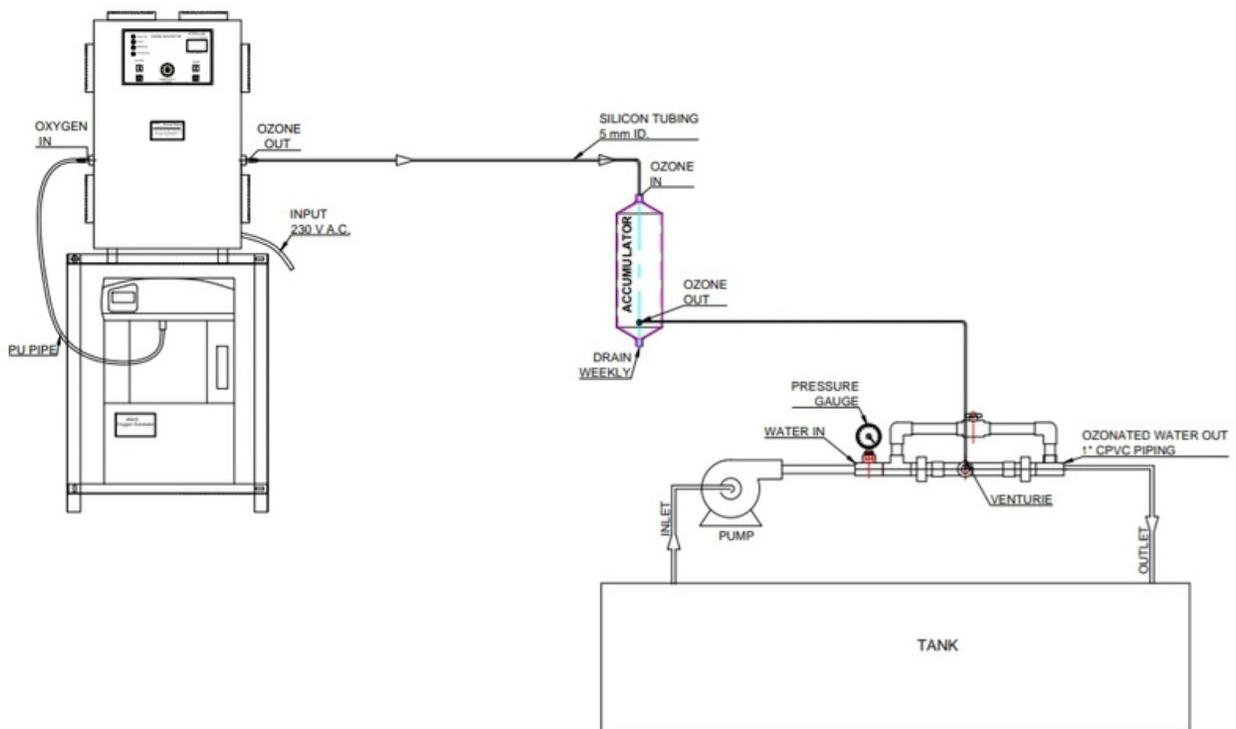
We have supplied Ozone Generator and Oxygen Concentrator with Venturi system for Mixing Ozone Gas into Well Water at Village Goral, Taluka Idar, Sabarkantha Gujarat. The Potato farm gave 25% More Output, 30% Less Pesticide and Chemicals used and 20% Savings in Water. Farmer was surprised and we very happy with the Performance of Ozone Generator for Agriculture.



# Eltech Ozone

## 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 feed 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 cooled (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).



## ELTECH OZONE PVT LTD (Group Company of Eltech Engineers Pvt Ltd)

Manufacturers of : Ozone Generator, Ozone Air Sterilizer, Ozone Analyzer, Ozone Monitor and Oxygen Concentrator

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