

The logo for Ozonetek Limited features a stylized 'O' icon on the left, composed of a blue circle with a yellow ring inside. To the right of the icon, the word 'OZONETEK' is written in a bold, blue, sans-serif font. Below 'OZONETEK', the word 'LIMITED' is written in a smaller, blue, sans-serif font with wide letter spacing.

# OZONETEK LIMITED

**WE BRING YOU THE NATURE'S MOST PRECIOUS GIFT - OZONE**



**PIONEERS OF OZONE GENERATION & OZONE APPLICATION TECHNOLOGY IN INDIA**



Did you know that we exist because of **OZONE** ?  
That all life forms on land exist because of **OZONE** ?



**OZONE** protects us from the harmful UV light from sun. This made life possible on earth.

### What is OZONE?

**Ozone** is an other form of oxygen. It is triatomic oxygen. Ozone exists in nature within the stratosphere and protects us.

Ozone is a very powerful oxidising agent and hence a very powerful disinfectant. It is 3000 times more powerful a disinfectant than chlorine and has 50 times more oxidative power than chlorine. Ozone, when dissolved in water, kills all microorganisms, oxidises the organics in water and breaks them down to more biodegradable compounds. It also bleaches, deodourises, disinfects, reduces COD and BOD.

### OZONETEK LIMITED

**Ozonetek** was founded in 1991 to pioneer ozone technology in India. Dedicated itself in developing both ozone generation & application technology. This we continue even today - a non-stop journey to do better. Always. This reflects in the confidence shown by our clients in our products. They are multi-national and national companies. Repeat customers, both large & small, with implicit faith in us, our products and & untiring service.

Today Ozonetek produces high quality, cutting-edge technology ozone generators with capacities ranging from 100 mg/h for air treatment to several kgs/h for water treatment. Ozonetek also produces a range of accessories including injectors, mixing devices, ozone destructors, control devices, automation. And customer satisfaction.

**OZONE  
OZIDISES  
DISINFECTS  
DEODOURISES**

## OZONETEK PRODUCTS



OZONATOR - (25 - 150 g/h)



OZONATOR - (150 g/h - 2 Kg/h)



OZONATOR - (3 Kg/h - 20 Kg/h)



OXYGEN CONCENTRATOR



VENT OZONE DESTRUCTOR

OZONE DISSOLUTION SYSTEM



## SOME OF THE OZONE APPLICATIONS MASTERED BY OZONETEK

### Bottled water treatment:

Today it is unthinkable to package drinking water without ozonation. Ozone offers the final disinfection, based on which the manufacturers offer longer shelf life. A certain amount of residual ozone is maintained while packaging the water.



### Municipal water treatment:

Almost all the municipal water supply plants in Europe and USA use ozone for primary disinfection and oxidation to eliminate organics, improve on taste, reduce colour and odour and reduce turbidity.

### Swimming pool water treatment:

Ozone offers an excellent choice for reducing the ill effects of chlorine. The irritation associated with chlorine usage is reduced. Ozone is used as a primary disinfectant where as chlorine is used as residual disinfectant. The resulting water is sparkling clear, feels soft and does not have the typical chlorine smell. Ozone reduces the organic load of the water while controlling algal growth.



### Cooling tower water treatment:

Ozone is the only biocide required for cooling water treatment. It controls the growth of algae, destroys the biofilm on the surface of heat exchangers, which in results in reduced scaling and hence, reduced corrosion also. The payback period for the ozone plant for this application can be 2 to 3 years.

### Laundry water treatment:

Ozone helps reduce costs of laundry. For ozonised laundry system, detergent use is reduced by about 30% to 40%. As the laundry is carried out at ambient temperature, there is a tremendous savings in heating costs. Besides, this the waste water from the laundry has much lower COD as compared with non-ozone laundry, which might meet the pollution control norms for its discharge.

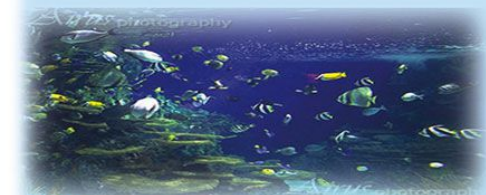


### Air treatment for deodourisation & disinfection:

Ozone is the only true deodouriser. While most other so called deodourisers only mask the odour by another more power chemical, ozone actually breaks down the odour causing organics, destroys odour causing bacteria and helps in deodourising and disinfecting the air. Ozone is used in hospitals, hotels, restaurants, bars, pubs, banquet rooms, guest rooms, cold storage rooms as well as in industries for reducing the pollutants by oxidising them.

### Waste water and sewage water treatment:

Tertiary treatment with ozone helps in further reducing COD, colour, odour as well as disinfect the treated water. Sometimes ozone is also in primary as well as tertiary treatment of waste water.



### Aquarium water treatment:

Ozonised water helps keep the water disinfected, clear while reducing the organic load of the water. This results in healthier fish or mammals in large under water aquariums.

### Water parks:

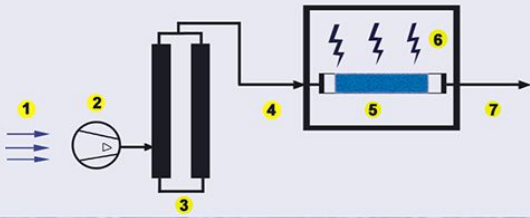
The advantage of water parks is the same as the swimming pool in using ozone for primary disinfection – to disinfect, to reduce organic load and to control algal growth.



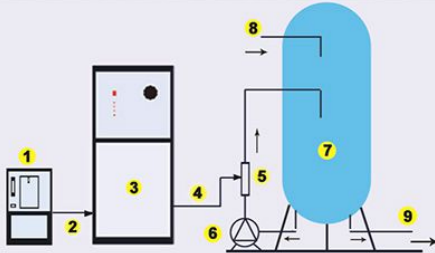
### Food process industry:

Ozone destroys surface bacteria responsible for decaying foods. Surface bacteria attack the fruits, vegetables, meats, etc. from the outer surface and then penetrate deeper leading to its putrefaction. Washing foods in ozonised water destroys all surface bacteria, reduce pesticides from the surface making the foods healthier while increasing the shelf life by 40 to 60%.

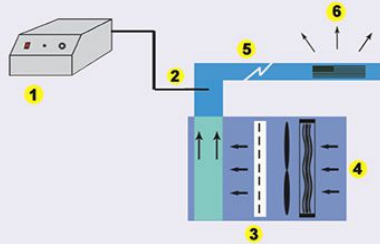
## OZONE GENERATING SYSTEM



1. ATMOSPHERIC AIR
2. AIR COMPRESSOR
3. OXYGEN CONCENTRATOR
4. OXYGEN GAS
5. OZONE ELECTRODE
6. HIGH VOLTAGE
7. OZONE GAS



1. OXYGEN CONCENTRATOR
2. OXYGEN GAS
3. OZONE GENERATOR
4. OZONE GAS
5. VENTURI INJECTOR
6. RECIRCULATION PUMP
7. OZONE CONTACT TANK
8. RAW WATER IN
9. OZONISED WATER OUT



1. OZONE GENERATOR
2. OZONE GAS INJECTION
3. AIR HANDLING UNIT
4. ATMOSPHERIC AIR
5. SUPPLY DUCT
6. OZONISED AIR OUT

## OZONISING WATER

## OZONISING AIR



**OZONE PLANT AT SITE**



**New # 98, Landons Road  
Chennai 600010, India**

**Phone: +91 44 26414718**

**Email Id: kpatel@ozonetek.com**

**Web: www.ozonetek.com**