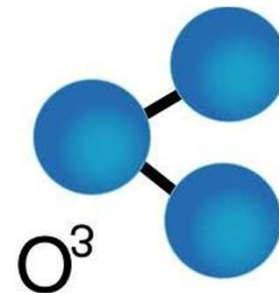


Ozone Generator For RO & Mineral Water Treatment Plant



Presented by:

Eltech Ozone

(Division of Eltech Engineers Pvt Ltd,
Mumbai)

About Ozone in Water Treatment

- In recent years, sophisticated needs for advanced water treatment have been increasing for Drinking water. Ozonation as part of advanced treatment is assumed to be extremely effective for decolourization, disinfection, deodorization, and reduction of micro biological contamination because of its strong oxidizing capability.
- Eltech, offers an originally developed ozonation system that achieves low running cost and space saving using a highly efficient ozoniser of completely new concept to meet these needs.

Stages in Water Treatment Plant

- Sand Filter
- Activated Carbon Filter
- Ultra Filtration
- Reverse Osmosis
- Ozonation

Sand Filter

Eliminates load of total suspended solids in the raw water and helps to eliminate solid particles

Activated Carbon Filter

This filter removes most of the organic contamination and pesticide residuals from the water. It also controls taste and odor of water

Ultra Filtration System

A low pressure membrane process that removes dissolved organic macro molecules, viruses, enzymes and etc.

Reverse Osmosis

This process eliminates dissolved impurities like unwanted salts and retain minerals which are essential to human body.

Ozonation process

Ozone has been used in drinking water plants since 1906 where the first industrial ozonation plant was built in Nice, France. Ozone as a viable process train is gaining more importance as the sources of pristine raw water are dwindling. **The most popular application of ozone in water treatment today is found in drinking water applications.** The largest ozonation systems have been built for municipalities treating surface waters. In certain instances, ground water as a raw water source has also been ozonated.

The [U.S. Food and Drug Administration](#) has accepted ozone as being safe and it is applied as an anti-microbiological agent for water treatment, storage, and processing of food

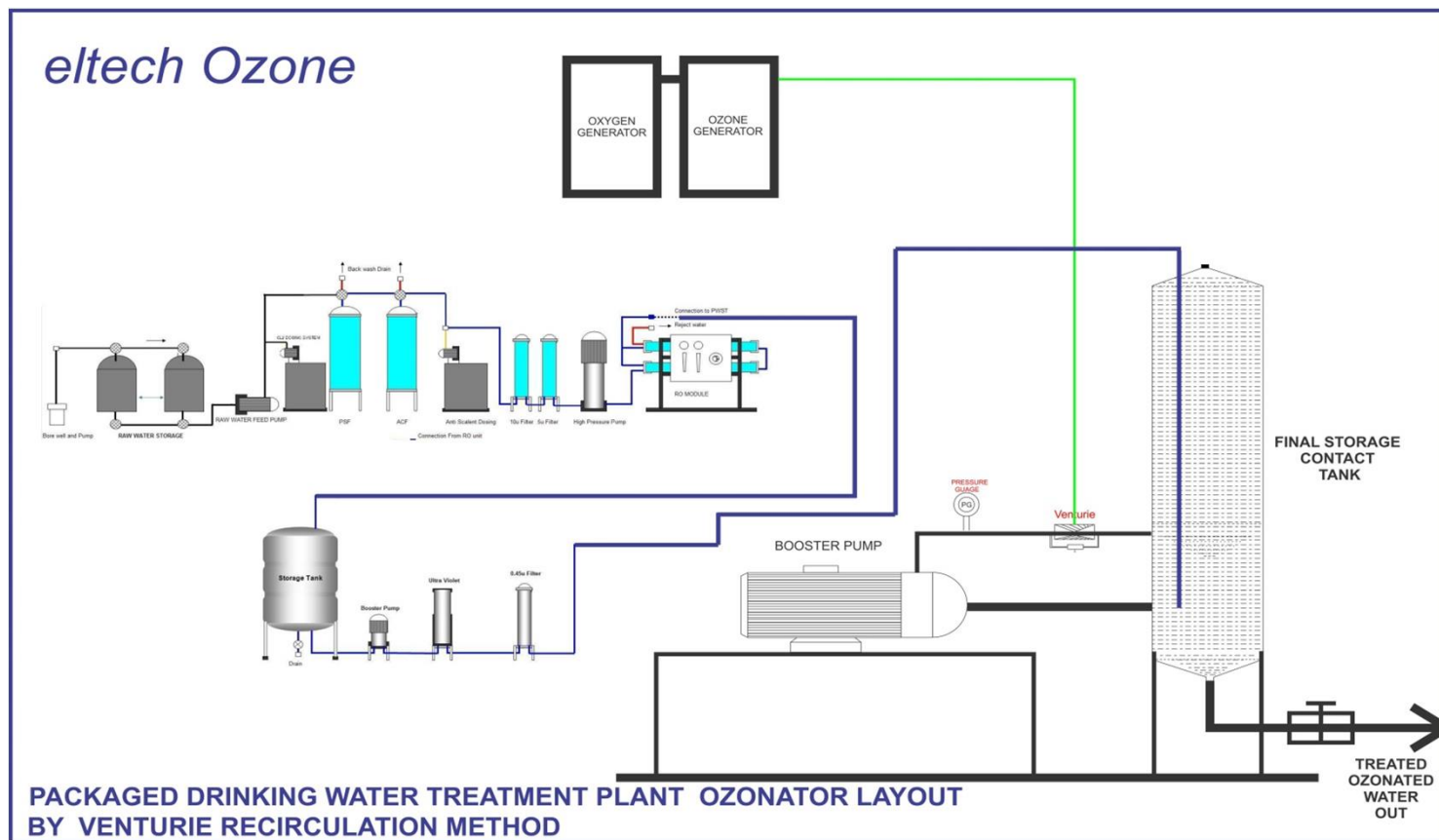
Benefits of Ozone

- Ozone kills the bacteria and viruses safely and effectively.
- 3,125 times more germicidal than chlorine
- Better tasting water - increased consumption
- Destroys all types of microorganisms instantly
- Destroys organic waste by oxidation
- Low maintenance costs
- Environmentally friendly oxidant
- No residual
- Great for well water installations
- Created on-site - no chemical storage

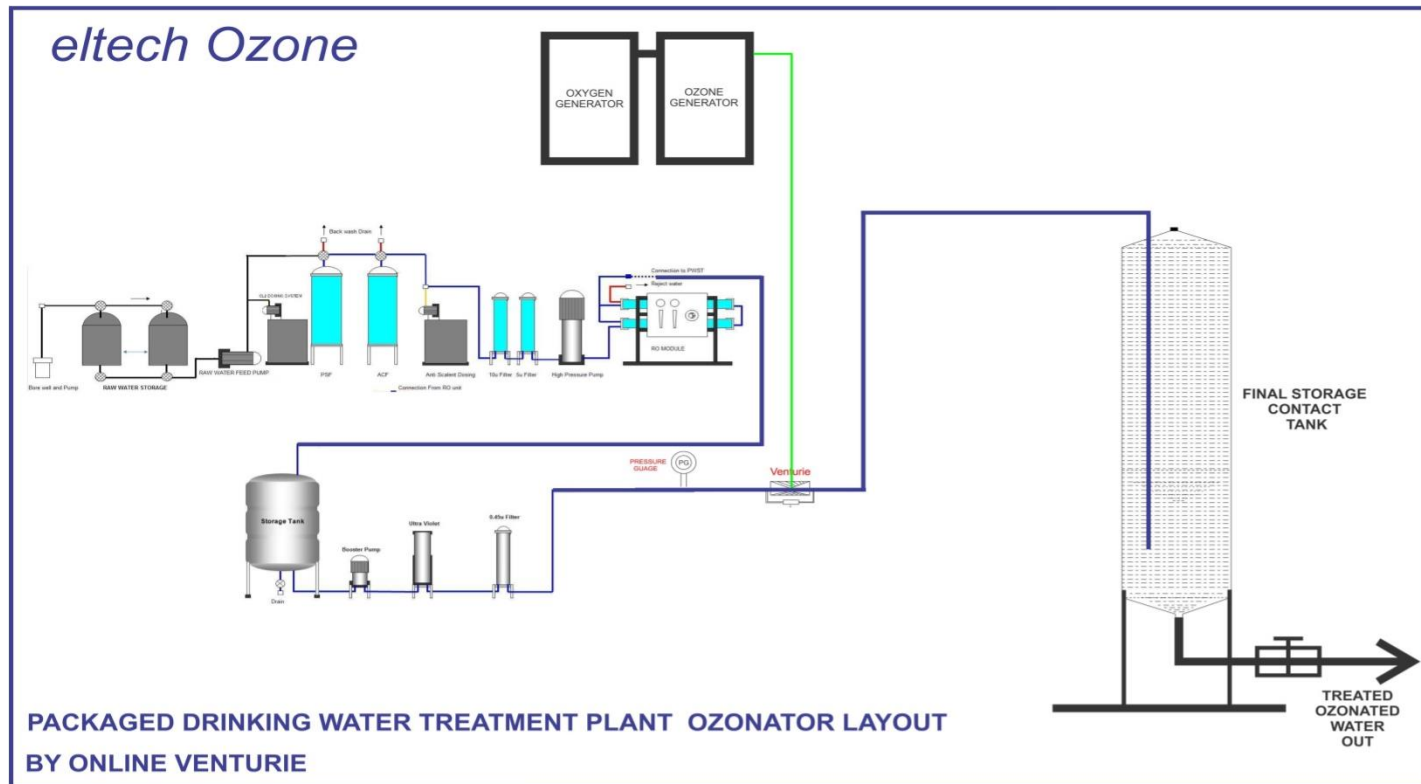
Features of Ozone

- Most powerful oxidizer
- Instantly destroys bacteria
- Leaves no taste residual
- Environmentally friendly
- Been used for decades
- No harmful by-products
- Eliminates chemical documentation and discharge liabilities

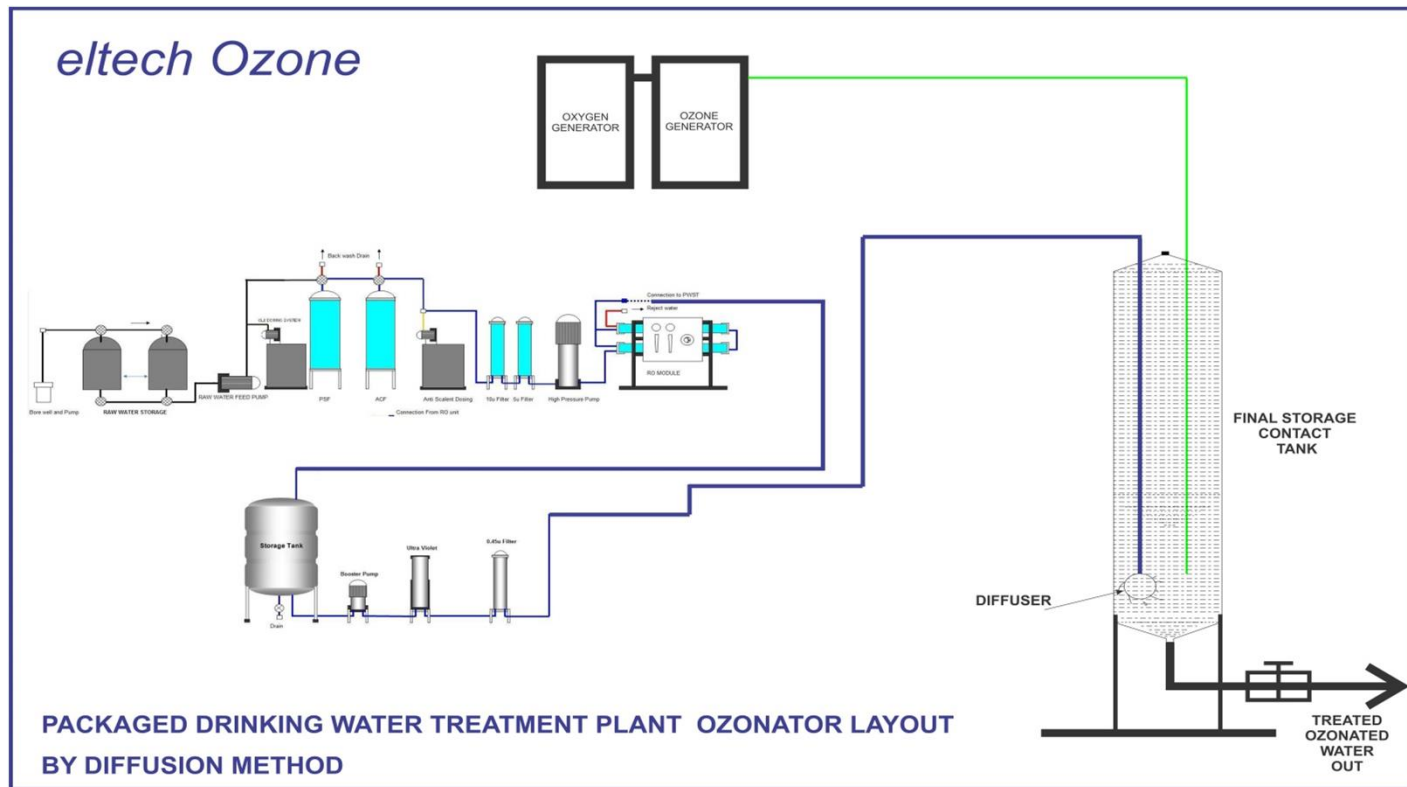
Process Layout (Recirculation)



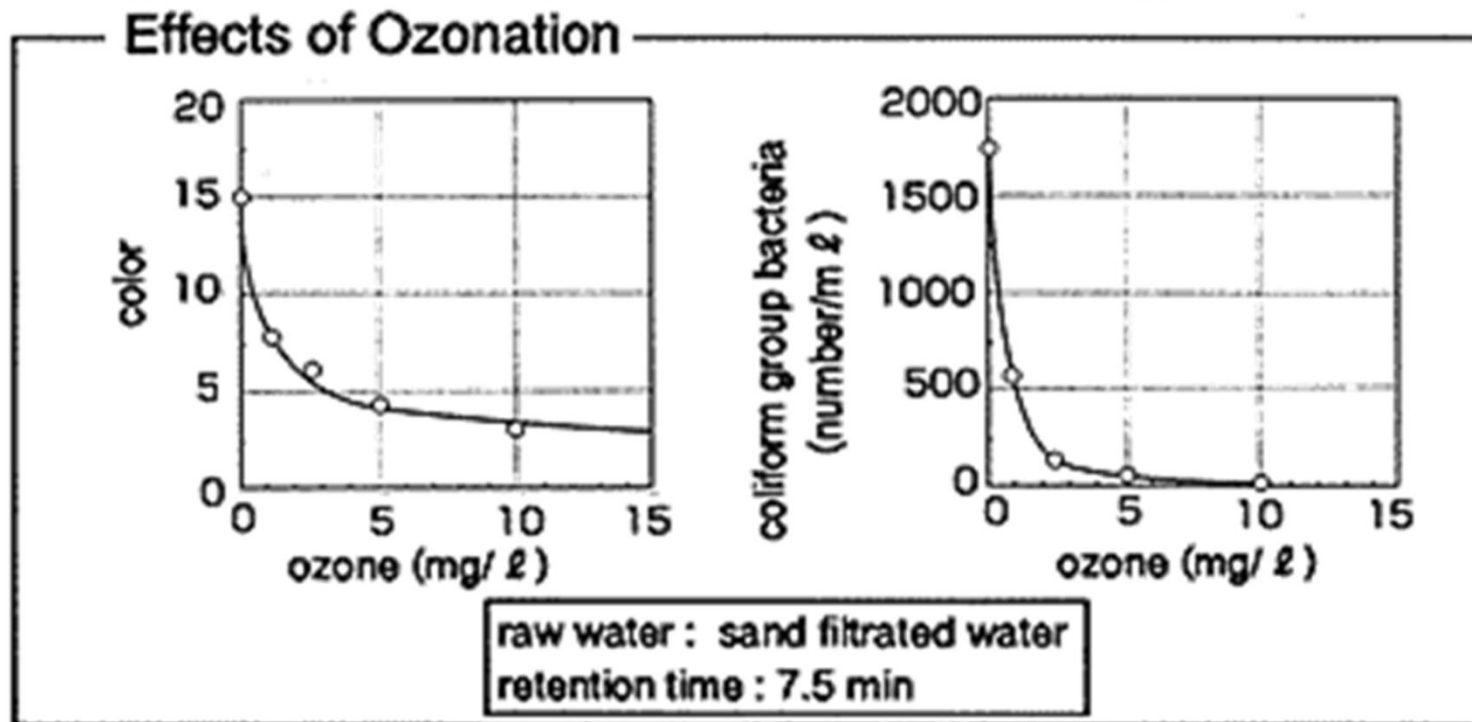
Process Layout (Online Venturi)



Process Layout (Diffusion)



Effects of Ozone



Images of Ozone Generators



YouTube Video Links,

1. <https://www.youtube.com/watch?v=iFZCJszX6Sc>
2. <https://www.youtube.com/watch?v=EQYp2SfVxWQ>

Testimonials

We are one of Leading manufacturer and supplier of Ozone Generator in India. We have supplied more than 5000 machine in India and abroad, Our Esteem client list following,

- **Ion Exchange, Rabale**
- **H2O Ion Exchange, Ahmedabad**
- **JM Filtration, Ahmednagar**
- **Gala and Shethia (Melborn Package Drinking), Andheri**
- **Sutha Industries, Mangalore**
- **Indian Ion Exchange, Borivali**

Global Presence :

- Dubai
- South Africa
- Tanzania
- North East Africa
- Oman
- Egypt

Certificates (CE and ISO)



QUALITY CERTIFICATION
BMG

Certificate of Compliance

Application of Council Directive for MDD 2007/47/EC

ELTECH OZONE
A-109, Diamond Industrial Estate, Ketkipada Road, Near Toll Plaza, Off. Western Express Highway, Dahisar-(East), Mumbai – 400068, Maharashtra, India.

Product Descriptions
Ozonator, Ozone Generator, Oxygen Concentrator, Ozone Air Purifier, Ozone Analyser

CE

This certificate of compliance is based on the technical file of above mention products

CERTIFICATE No.	1617/CE/CMXXIII
ISSUED ON	20/03/2017
1ST SURVEILLANCE DUE	19/03/2018
2ND SURVEILLANCE DUE	19/03/2019
RE-CERTIFICATION DUE SUBJECT TO THE COMPANY MAINTAINING ITS SYSTEM TO REQUIRED STANDARDS	19/03/2020

ANSI
American National Standards Institute
MEMBER

BMG QMS
CEO

www.bmgqms.com

- This Certificate is Intellectual Property of BMG and can be maintained through surveillance and renewal audits.
- Certificate should be returned to BMG in case of non compliance of certification procedure.
- Authenticity of this certificate can be verified at www.bmgqms.com



ICL
Integral Certification (P) Ltd.

Certificate OF REGISTRATION

This is to Certify that the Quality Management System of **ELTECH OZONE**
A-109, DIAMOND INDUSTRIAL ESTATE, KETKIPADA ROAD, NEAR TOLL NAKA, OFF. W. E. HIGHWAY, DAHISAR (EAST), MUMBAI - 400068, MAHARASHTRA, INDIA

has been independently assessed and is compliant with the requirements of **ISO 9001:2015**

This Certificate is applicable to the following product or service ranges:
MANUFACTURERS OF OZONATOR, OZONE GENERATOR, OXYGEN CONCENTRATOR, OZONE AIR PURIFIER, OZONE MONITOR AND OZONE ANALYSER

Integral Certification (P) Ltd.
:::Certificate No.: IN12699A

Date of initial registration	29 August 2019
Date of this certificate	29 August 2019
Surveillance audit on or before	28 August 2020
Recertification Due/ Certification expiry	28 August 2022

Accreditation
E G A C
Accredited
QMS CERTIFICATION
CAB 812001

IAF
MEMBER OF INTERNATIONAL
REGISTRATION ASSOCIATION

Pam
Director

For verification and updated information concerning the present certificate visit to www.iclcert.com

This Certificate is the property of Integral Certification Private Limited and shall be returned immediately when demanded.

Integral Certification (P) Ltd.
U-60 (3rd Floor), Shakar Pur, Laxmi Nagar, Delhi-110092
E-mail: info@iclcert.com Website: www.iclcert.com
Contact No.: +91-11-31227000

Thank you !!

Achint Chauhan (Head Sales & Marketing)

Eltech Ozone

(Division of Eltech Engineers Pvt. Ltd.)

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