



NZON Ozone generator

Non – Chemical Disinfection



Chemical-Free Disinfection

Disinfection of water using ozone is advantageous compared to more traditional methods, such as chlorine or UV disinfection. Firstly, ozone is more effective at deactivating viruses and bacteria than any other disinfection treatment, while at the same time requiring very little contact time, thus reducing the overall treatment residence time while simultaneously leaving no chemical residues.

Due to the high oxidation potential, ozone will effectively degrade microbes and virus, causing cell membrane rupture and decomposition of essential biomolecular components in for example bacteria. Ozone can be used to oxidize hydrocarbons of cellular lipid bi-layers to kill contaminant microbes.

Ntesco Ozone Disinfection System (NZON) offers a range of advanced wastewater and water solutions to help operators around the world achieve their required water effluent quality while delivering optimal performance, reliable operations with the chemical-free process.

NZON features:

- Residual ozone destruction.
- Ideal solution for mitigating bromate formation.
- Compact and skid mounted.
- Cost effective.
- Suitable for a wide range of organic/inorganic pollutants
- Easy to use with controlled by Programmable Logic Controller.

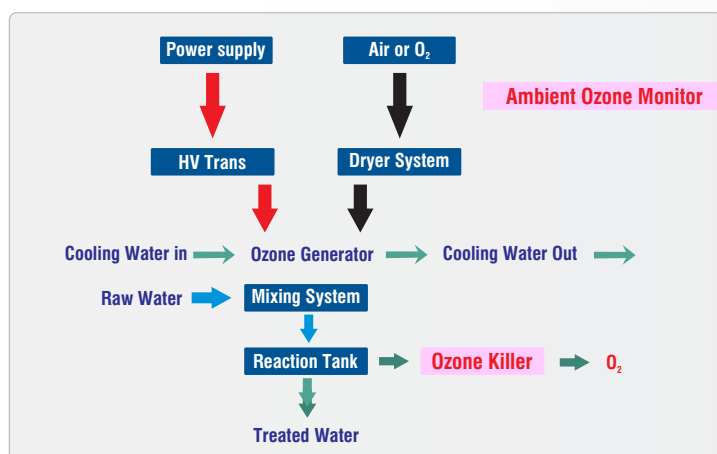
Key applications:

- Aquaculture business
- Food & Beverage industries
- Drinking water
- Cooling tower
- Swimming pools
- Laboratory and medical
- Reduce – reuse – recover process

Customer benefits:

- Enjoy with high-quality product and compact.
- Ensure water quality with undesired free-organic / inorganic.
- Operation cost saving.
- No waste water in system
- Environment-Friendly with the non-chemical process

Nzon process



Complete Containerized Solution



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