



Hybrid Gas Cold Plasma

Water and Wastewater

Use of ozone generator with
cold plasma technology in water
and wastewater industry



Water refinery

- Removing the unpleasant smell, color and taste of water
- Elimination of bacteria, viruses and pathogens in water and disinfection
- Removal of heavy metals dissolved in water
- Oxidation of organic matters in water
- Increasing coagulation and flocculation speed
- Increase of efficiency and reduction of maintenance costs of RO devices
- Not producing harmful by-products such as trihalomethanes
- Not polluting the environment
- No need for a specialized operator
- Increased dissolved oxygen in water and wastewater
- The most suitable organic disinfectant in the world with 3,000 times higher oxidation power than chlorine and higher impact speed and impact on a wider range of pathogens

Wastewater treatment

- Removal of pathogens from the effluent of the wastewater treatment plant and the best alternative to chlorine derivatives
- Industrial and sanitary wastewater treatment by accelerated oxidation method of AOP
- Increase of coagulation and flocculation speed
- Occupying less space than other wastewater treatment methods and preventing the production of aerosols
- Ability to upgrade existing treatment plants with the least cost and space
- Economical compared to other processes
- Preventing the growth of biofilms and algae
- No pollution and the most suitable method for plating, dyeing and cellulose industries



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