

Ozonation Systems

Description

Ozonation (also referred to as ozonization) is a chemical water treatment technique based on the infusion of ozone into water. Ozone is a gas composed of three oxygen atoms (O₃), which is one of the most powerful oxidants. Ozonation is a type of advanced oxidation process, involving the production of very reactive oxygen species able to attack a wide range of organic compounds and all microorganisms. The treatment of water with ozone has a wide range of applications, as it is efficient for disinfection as well as for the degradation of organic and inorganic pollutants.

Salient Features

- Rapidly reacts with bacteria, viruses and protozoa over a wide pH range
- Stronger germicidal properties than chlorination
- No chemicals are added to water
- Also efficient for organics degradation and inorganics removal
- Removes color, taste and odor

Applications

- The Ozonation system has vast applications due to its effectiveness and low operational and maintenance costs
- The Ozonation system has industrial and pharmaceutical applications



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