

CHLORINE DIOXIDE

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SPECIFICATIONS OF CHLORINE DIOXIDE

Solubility: It is very good, should be a maximum of 30g/l

Storage: Good for diluted Aqueous Solution

Colour: Yellow in colour

Smell: Mixture of Ozone & Chlorine

Disinfection: Very Efficient and Reliable, 2.5 times better kill rate than chlorine gas

pH Dependence: it is not pH dependant

Materials of Manufacture: 7,5% Sodium Chlorite & 9% Hydrochloric Acid

ADVANTAGES OF CHLORINE DIOXIDE

- The bacterial efficiency is relatively unaffected by pH values between 4 & 10
- Chlorine Dioxide is clearly superior to chlorine in the destruction of spores, bacteria's, viruses and other pathogen organisms on an equal residual base
- The required contact time for ClO₂ is lower
- Chlorine Dioxide has better solubility
- No corrosion associated with the high chlorine concentrations. Reduces long term maintenance costs
- It destroys THM (trihalomethanes) precursors and increases coagulation
- ClO₂ destroys phenols and has no distant smell
- It is better at removing iron and magnesium compounds than chlorine
- It kills biofilm, which means it has access to legionella which is usually found in the biofilm

CHLORINE DIOXIDE GENERATOR INFORMATION

- Non-pressurised, fast and non critical chlorine dioxide generator according to the acid/chlorite method with diluted starting
- Proven, reliable chemical feed via a peristaltic pump
- Level controlled water dilution
- Easily expanded for a multiple disinfection system
- Microprocessor control with menu-driven operating and service function
- Chlorine Dioxide gases easily neutralised via integrated active carbon filter with fan
- Multi-purpose solenoid diaphragm pump in PVDF



APPLICATIONS

- Drinking water disinfection in public building, such as hospital, nursing homes, hotels & sports
- Disinfection in cooling systems and air-conditioning systems
- Applications in the beverage and food industry