

MINI CHLORINE DIOXIDE SYSTEM

FEATURES

Up to 120 g/day of ClO₂

Regenerable or Refillable IX – No Acid on Site
Ideally Suited for Continuous Production of ClO₂
Dilute ClO₂ Solution Produced – Inherently Safe
Industry Proven Reliable Components

APPLICATIONS

Food and Beverage – Bottle Rinsing,
Conveyor Treatment, Ice Builders, Sweet Water
Water Treatment – Secondary Disinfection
Apartment Complexes, Hotels, Hospitals, Nursing Homes
Open Cooling Systems, Closed Cooling Systems
Customer Serviced Sites
Sites with Acid Restrictions.



The Molecule

Chlorine Dioxide is the ultimate biocide. As a dissolved gas in solution, it can destroy and remove biofilm, eliminate both sessile and planktonic bacteria, and prevent re-growth without interfering with most water treatment chemistry. As a weak oxidizer, it can destroy odors, clarify and precipitate iron and manganese from contaminated water sources. As the ultimate biocide, it can eradicate harmful microorganisms living and growing in water systems. These properties make chlorine dioxide the ideal biocide for most water treatment, food and beverage and industrial applications.

The System

The CLO₂IX® MINI system is an on-demand chlorine dioxide production system. The rugged construction and simplistic operation make the production of chlorine dioxide easy and safe where small volumes of water are treated. The CLO₂IX® MINI system interfaces with the process water flow through the controller. The operator determines the appropriate concentration of chlorine dioxide according to the application. The system will then dose proportionally to process water flow, thus maintaining the desired chlorine dioxide concentration in the process stream. The MINI systems utilize either 4 pass IX Tanks or 2 pass IX cartridges, both of which are either refillable or regenerable.

The Process

The CLO₂IX® MINI systems are based on pure water technology found routinely in the pharmaceutical and semiconductor industries where purity and safety are not optional. Instead of the traditional ways of making chlorine dioxide by mixing concentrated chemicals or through electrochemistry which can produce dangerous byproducts, the CLO₂IX® method combines ion exchange and catalytic technologies to ensure consistent product quality in a rugged industrial piece of equipment.

Hundreds of customers worldwide rely on CLO₂IX® Chlorine Dioxide Systems.