



pH effective between 4 - 11

50 Time lower usage rate than chlorine.
Not react with organic, Amonia compound

No Toxic by product formation
(THMs & AOXs)

Excellent
biofilm removal than other chemical.



NTESCO®
TECHNOLOGY FOR
WATER SUSTAINABILITY

CQOS® V.02

Chlorine Dioxide Disinfection units



NTESCO | <http://www.ntesco.com>

TECHNOLOGY FOR WATER SUSTAINABILITY

WHAT is Chlorine dioxide?

Chlorine dioxide is an extremely reactive gas, which because of its instability can not be stored, and must only be produced in the required quantities in a special generator on the site where it is to be used. NTESCO has developed a new generation of chlorine dioxide generator system call the "CQOS" system that utilizes specific chemical design pre-cursor processes. This is the compact unit to produce clean ClO₂ demand by mixing controlled amount of chemical. By under unique design and developed NTESCO Chlorinedioxide generator is performed consistently and reliable

The CQOS Ver 2.0 has a generation capacity of 0.2 kg/hr up to 5 kg/hr of ClO₂ or moreover. This model was developed to meet the requirements of food processing, health care facilities and water disinfection circuits. All internal components are mounted on a floor-standing PPE frame with splash shield, central electrical control panel, PLC, HMI, and level-controlled solution tank. Chlorine dioxide solution is produced at 2,000 ppm to be dosed to one or multiple dosing points. Dosing control is included and can be selected from a variety of flow/residual configurations.

Water solution fit with your problems:



Aquaculture



Domestic water



Food & Beverage



Industrial



Re-use

Chlorine Dioxide – Advantages:

- Powerful and highly effective oxidizer
- Not affected by pH because it is a dissolved gas
- Won't react with many organic contaminants – including ammonia compounds
- Excellent biofilm removal -rapidly penetrates and oxidizes biofilms
- Can destroy odors caused by microorganisms and organics
- Does not form disinfection by-products such as THM's and oxidized aromatics
- Chlorine dioxide is selective, reacting with very few organic and no ammonia-based compounds
- The result is a much lower requirement for chlorine dioxide in the same chiller water
- Up to 50 times lower usage rate or "demand" than chlorine
- Unsurpassed Legionella control
- Elimination of taint/taste problems

Key Feature.

- Multi-level safety feature
- Everything in build.
- High efficiency reaction up to 95%
- Simple to operate & maintain
- Simple rapid installation
- Low cost
- Proven technology in many application.
- Small foot print.
- Automatic control of feed rate proportional to demand



NTESCO Group

Email contact: ntesco@ntesco.com

Website: <http://www.ntesco.com>

