

OxiMax Chlorine Dioxide Generator

OxiMax Chlorine Dioxide (ClO₂) Generation Systems

WHAT WE OFFER

OxiMax Chlorine Dioxide Generators are state-of-the-art technology in reactor design and chlorine dioxide dosing.

One advantage is that chlorine dioxide is dosed immediately after the reaction chamber. This avoids the requirement for a ClO₂ storage container and consequent losses.

Pressure dosing of ClO₂ solution is another advantage, no need for an ejector to pull the chemical through, results in lower running costs through reduced water and power.

HOW DOES THE GENERATOR WORK?

The generation system doses two chemicals sodium chlorite and hydrochloric acid through two metering pumps to a reactor which produces high-purity ClO₂ solution, which is then mixed with dilution water.

The ClO₂ output can be controlled by adjusting the stroke length of chemical pumps manually or automatically controlled via 4-20mA signal from flow transmitter or residual analyzer.



ADVANTAGES OF TECHNOLOGY

- **Multiple Security Measures**
Low chemical level alarms with generator stop. Chemical interrupt alarm with generator stop.
- **Special Reactor**
Material - The reactor is made of titanium alloy material for complete chemical resistance.
- **Central Controller**
The LCD display screen provides operational data and menus for adjustment of setpoints and parameters. It is simple to operate and easy to configure and fault-find.
- **High Quality Appearance**
The PVC enclosure creates clean lines and a great looking system. When wall mounted, there are no plant items visible or available for operators to touch or adjust.
- **ClO₂-Highly Cost-effective Environment-friendly Biocide**
Excellent alternative to chlorine, bleach, ozone and bromine.
- **Works over wide pH range**



OxiMax-XC , OxiMax-C2	(Interlock with water pump)
OxiMax-XD1 , OxiMax-D1	(Flow proportional control)
OxiMax-XD2 , OxiMax-D2	(Residual ClO2 control)
OxiMax-E	(Computer remote control)



- **Multiple Control Options**

Various methods of control can be utilized to achieve the desired disinfection result at the lowest cost.

- **Multiple Point Dosing**

By joining the generator with a dilution pipe system and dilution tank (with level switches), one generator can be used to produce a dilute chlorine dioxide solution suitable for multiple point dosing.

- **Broad Applicability**

Chlorine dioxide can be applied to many and varied applications where disinfection is required and where chlorine is currently considered to be ineffective. Typical applications include potable water, industrial process water, cooling tower disinfection for inactivation of Legionella and biofilms, thermal water storage systems and CIP sanitization in the food industry.

- **The Easy to Install OxiMax-X wall-mounted ClO2 generator**

This is a simple wall mounted generator which can be installed on the wall of any room. You can be up and running in a few hours with minimal downtime and interruption. Low capital cost means quick payback.

- **Customized Systems Available**

We can design and build a system to meet your needs if standard models do not quite meet your requirements.

Safe **Reliable** **Cost-effective** **Easy to Maintain and Operate**



MAIN APPLICATIONS

1.	Potable water disinfection in water works
2.	Medical waste water disinfection and municipal waste water disinfection
3.	Cryptosporidium and Giardia inactivation in public swimming pools
4.	Industrial cooling water disinfection in power plants and chemical plants
5.	Hotels, restaurants, family appliances and utensils disinfection
6.	Beverage plants, food plants pipeline, breweries and equipment disinfection
7.	Aquaculture water disinfection
8.	Livestock farms disinfection
9.	Industrial circulating cooling water disinfection
10.	Hospitals
11.	Chemical Manufacturers
12.	Spa bath
13.	Off-shore rigs

GENERATOR MODELS AND CAPACITIES

1. OxiMax-X series:
30,50,100,200 g/hr as ClO2
2. OxiMax-C2, D1, D2, E
300, 500, 800,1000,1500, 2000, 2500, 3000, 5000 and 10,000 g/hr as ClO2



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