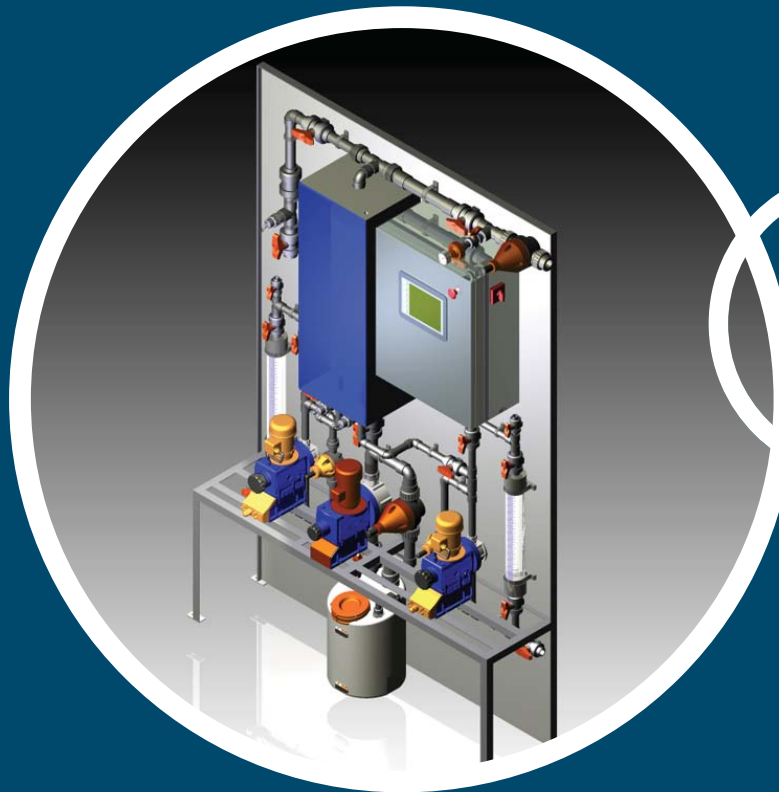


dioxide

PACIFIC



OxiMax CD2C-7R 2-Chemical Acid-Chlorite Chlorine Dioxide Generator

Model No: CD2C-7R

Dosing Pressure: Up to 60 psi

Dimensions: 122 x 61 x 21 in (h x w x d)

Materials: HDPE, UPVC, PVDF, Vinylester

Chlorine dioxide solution strength in reactor: 2%

Chemicals: 24.5% or 31% NaClO₂ and 33% HCl

Production Capacity: 1000 ppd

Weight: 600 lb

Power: 110V, 60 Hz.

By-pass flow: Up to 40 gpm

Chemical Usage:

HCl: 34.8 gph

24.5% NaClO₂: 34.8 gph

Dilution water: 190 gph

FEATURE	BENEFIT	WHAT THIS MEANS FOR YOU
Metering pumps for chemical dosing and water.	Reliable and accurate chemical dosing with large turndown capability.	Low chemical consumption per pound of ClO ₂ and accurate dosing of ClO ₂ for your process.
Dual acid and chlorite metering pumps.	Inbuilt redundancy. If either the acid or chlorite metering pump fails, automatic switchover to the standby pump occurs for seamless switchover.	The generator continues to run, no stoppage in case of metering pump failure. The faulty pump can be removed without stopping the plant.
PLC controlled system with touchscreen HMI.	All items are controlled from a central PLC and the touchscreen provides an operator friendly way to view plant operation and status. Fault finding is simple.	It is easy to train operators on how the plant operates. They will feel comfortable using the plant. All the information you need and configuration capability is available.
Dosing pumps have flow monitoring.	If dosing pumps are operating and flow is not registered, an alarm will be raised and the generator stopped	If a dosing pump loses prime, the generator won't continue to operate and dose either acid or chlorite into your water circuit. This feature will save chemical and prevent corrosion.
Inbuilt calibration cylinders.	Dosing pumps can be properly calibrated so that dosing is accurate. They also act as suction accumulators to prevent loss of prime.	Chemical consumption is minimized and reliability is maximized.
Inputs for level switches from chemical tanks.	Generator will provide an alarm on low chemical and stop on low low.	The generator will not continue to operate and waste power if chemical has run out.
By-pass assembly for dilution of chlorine dioxide	The safety of chlorine dioxide dosing is increased with the OxiMax CD2C generator by immediately diluting the chlorine dioxide solution produced in the generator to less than 3,000 ppm. This dilute solution is safe to transport to the dosing point.	Operator and environmental safety is maximized so the safety risk of the installation is low. You can sleep easy knowing that the generator is operating safely.
Inputs for remote on/off; flow 4-20mA or pulse, analyzer 4-20mA or pulse; outputs for grams of ClO ₂ produced and fault.	Full flexibility of dosing from either flow, stop/start or residual control available.	Whatever way you wish to dose chlorine dioxide, you can do it accurately with this generator.
Remote internet access.	Using a secure broadband connection, users can log on to the HMI and view/operate the generator.	The speed of making a change to the generator or fault finding is greatly increased. In most cases, it will not be necessary to send a service person to site and this will save you time and money.
Optimized reaction chamber.	Ensures full conversion of chlorite to chlorine dioxide.	You can be assured that excess chlorite will not enter your water. You will comply with regulatory guidelines and minimize chemical consumption.
Complete system fabricated on frame and backboard, fully plumbed and wired ready for installation on site.	Quick and easy installation process so you can be up and running quickly.	Your cost of installation and commissioning is low and there will be minimal disruption to your production.

DESCRIPTION OF OPERATION

The OxiMax CD2C-7R generator is a state of the art 2-chemical chlorine dioxide generator using the acid-chlorite process. It has inbuilt redundancy with the acid and chlorite metering pumps to ensure reliable operation. All materials in contact with chemical and used for component mounting are completely chemical resistant. This aspect ensures long equipment life and lowest lifetime cost of ownership.



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Manufacturer of Chlorine Dioxide Generators

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- Acid-chlorite • Chlorine-chlorite