

Chlorine
Dioxide Gas
Decontamination

MINIDOX-BC



 **ClorDiSys**

Minidox-BC

Portable Chlorine Dioxide Gas Generator

The ClorDiSys Minidox-BC Portable Chlorine Dioxide Gas Generator is an easy-to-use decontamination system which is easily adaptable to many different applications of varying size and type, delivering repeatable 6-log sterilization level results.

Dimensions

30" W x 70" H x 24" D
76cm W x 178cm H x 61cm D

Chamber Dimensions

12" W x 18" H x 18" D
30cm W x 46cm H x 46cm D
(Custom sizes available)

Weight

280 lbs
127 kg

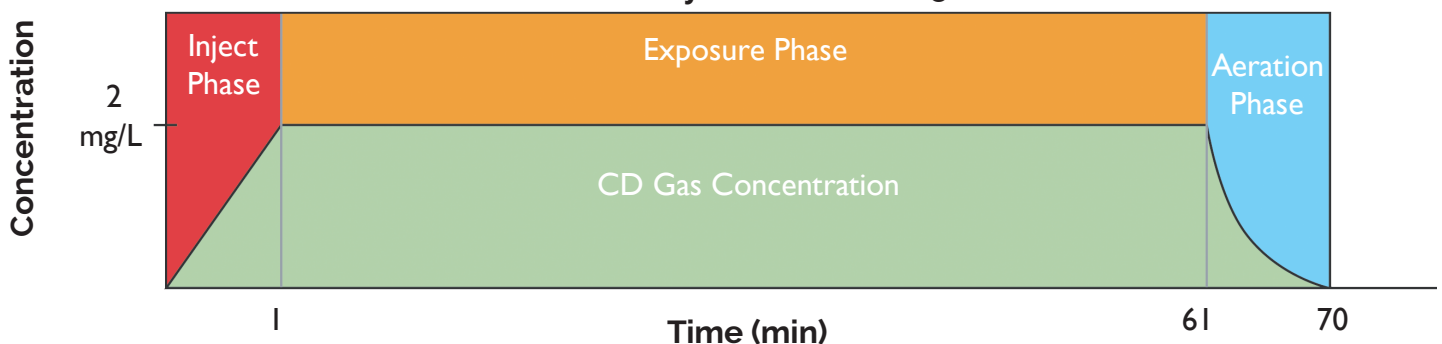
Utility Requirements

100-240 VAC
5 amp, single phase

Key Features of the Minidox-BC

- Fully automated process
- Integrated scrubber for automatic breakdown of gas
- Simple control system and interface
- Easily portable
- No cycle development necessary
- Effective against viruses, bacteria, fungi, spores, beta lactams and pinworm eggs
- Multiple alarms and checkpoints for increased safety
- Dual data storage on paper printout and USB drive
- No required maintenance contracts

Decontamination Cycle Data for 2.25 ft³ Area



Benefits of Chlorine Dioxide Gas

- Safe on materials including sensitive electronics
- Process not affected by temperature or dew point
- ClO₂ molecule smaller than viruses, bacteria and spores
- Naturally fills the space its contained within, contacting all surfaces evenly, including crevices deeper than microorganisms can reach
- No measurable residue
- Non-carcinogenic
- US EPA registered as a sterilant, able to kill all viruses, bacteria, fungi and spores
- Effective against beta lactams and pinworm eggs

Key Safety Features

- **Odor Threshold at the 8-hr OSHA safety level**
- **Chlorine dioxide is a non-carcinogen** (formaldehyde and ethylene oxide are known carcinogens and hydrogen peroxide is a Class A₃ Animal Carcinogen according to the ACGIH)
- **CD Gas is able to penetrate and maintain efficacy in water, unlike hydrogen peroxide**
- **Chlorine dioxide is used for both drinking water treatment and the sanitization of many foods.**

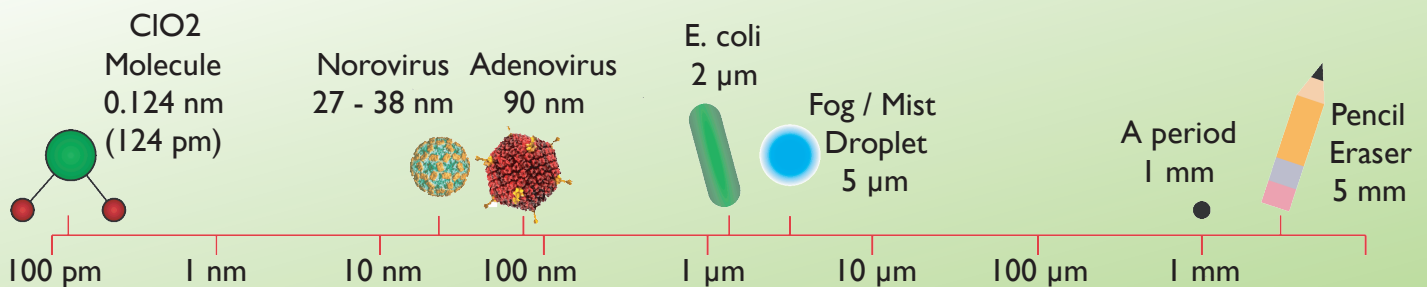
Optional Equipment

Handheld or Integrated Leak Detector

Low-level chlorine / chlorine dioxide gas sensors capable of sensing leaks from the chamber.

Applications

- **Computers**
- **Electronics**
- **Medical Devices**
- **Sterile Products**
- **Instruments**
- **Labware**
- **Tools**
- **Supplies**
- **Caging**



Other solutions available from ClorDiSys



Decontamination Chamber

Fully sealed chambers for the decontamination of equipment and other items. Chambers can be installed passthrough chambers, portable chambers, or dual-use rack washer / decontamination chambers.

- Items can be heat and moisture sensitive (non-autoclavable)
- Lower energy consumption compared to bulk autoclaves
- Quickest cycle times among common decontamination methods
- Items can be tyvek wrapped to keep sterile post-decontamination
- Items do not need precise placement to ensure successful decontamination.

Decontamination Services

Complete turnkey decontamination services on a routine or emergency basis for rooms, zones, and buildings

- No areas too large
- Routine service, emergency contamination response, pre- and post-renovation, commissioning and decommissioning.
- Fast turnaround times
- No residues
- Full report issued upon completion
- 6-log sporicidal kill
- Achieves kill in wet areas as well as dry areas

Minidox-MC Portable CD Gas Decon Chamber

A chlorine dioxide gas generator similar to the Minidox-BC but with an integrated concentration monitor for better process control.

- Able to connect up to many different types of chambers / rooms.
- Fast cycle times
- Easily portable
- Simple control system and interface
- Effective against viruses, bacteria, fungi, spores, beta-lactams, and pinworm eggs
- No required maintenance contracts

