Steridox

Chlorine Dioxide Gas Vacuum Pressure Sterilizer

ClorDiSys

STERIDOX-100

Specification Sheet

- Dual vacuum pump
- Carbon-based scrubber
- CD generation and control system
- Redundant CD concentration monitoring
- Redundant pressure monitoring
- Rh measurement instrumentation
- Polished stainless-steel interior
- Complete stainless-steel construction
- Automated door closure
- Recipe Storage
- Printed and electronic run records
- USB and SD data storage
- 100 cubic foot capacity
- Entire process is monitored and controlled

Pre-conditioning, exposure, and aeration all occur within the single chamber.

Interior Dimensions: 49" W x 57" H x 60" D

Exterior Chamber Dimensions: 59.5" W x 87" H x 76" D

Total Footprint Dimensions: 139" W x 87" H x 134.5" D (including clearance)

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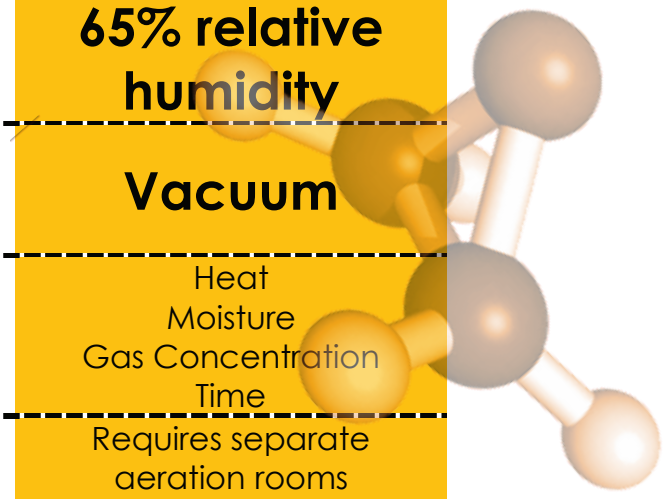
Method Comparison

ClO2 and EtO are near identical in validation and efficacy, however chlorine dioxide out favors many components when compared to ethylene oxide.

	Chlorine Dioxide Gas	Ethylene Oxide
Carcinogen Status	**Non-carcinogenic**	**Carcinogen**
Explosivity	**Non-explosive**	**Explosive** 
Antimicrobial Classification	Sterilant	Sterilant
Pre-Conditioning Requirements	Typically, **90 minutes or less** No heat is necessary **65% relative humidity**	Typically, **12-72 hours** Product and packaging must withstand **118°F** (47°C) **65% relative humidity**
Type of Cycle	**Vacuum** or **Ambient**	**Vacuum**
Necessary Cycle Parameters	Humidification Gas Concentration Total Dosage	Heat Moisture Gas Concentration Time
Aeration Requirements	Occurs **within** the chamber **Minutes** in length 	Requires separate aeration rooms Aeration in highly heated environments of 50-60°C lasts **8-12 hours** Aeration in environments of 20°C last **7 days**
Residuals	**No residuals detected**	Higher concentrations increase the risk for residuals



The Steridox-100™

Chlorine dioxide gas vacuum sterilizer for medical devices

NON-EXPLOSIVE, NON-CARCINOGENIC

Chlorine dioxide gas sterilizes in a near identical fashion to ethylene oxide creating a simple validation process with stellar results.

Chlorine dioxide lacks the harsh environmental concerns of ethylene oxide as it is considered non-carcinogenic. Additionally chlorine dioxide gas is non-explosive which increases flexibility in the range of products that can be sterilized and subsequently removing the need for explosion protective building requirements.

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- Non-carcinogenic
- Ambient temperature sterilization (0°C - 50°C) - can be customized for unique applications
- Adjustable vacuum levels
- Quick aeration - does not get absorbed in most materials
- Short cycle times - 2 to 8 hours including aeration
- Non-explosive
- Safe and easy to bring in house - reducing manufacturing time and cost