



ZHEROX® MOBILE SYSTEM FOR ENVIRONMENTAL BIODECONTAMINATION

Zherox® is the new system for environmental biodecontamination designed and built to best meet GMP requirements.

The nozzle spreads the hydrogen peroxide blend <8%, creating a micro-drops fog, which passing through a high voltage electromagnetic field, undergo a process of ionisation.

The resulting solution has a high concentration of hydroxyl radicals and reactive oxygen species (ROS) that can damage microorganisms through the oxidation of proteins, carbohydrates and lipids.

The electromagnetic field imparts an electrostatic charge to the mist which acts like a gas, due to the mutual repulsive activity of the positive charges. Micro-droplets can reach 100% the treated areas and guarantee the whole coverage of all surfaces without leaving residues. Zherox® system is CE certified.





ADVANTAGES

EFFECTIVENESS of the solution **increased by 50%** thanks to a better distribution of the solution through the high voltage electromagnetic field.

OPTIMISED DIFFUSION without using fans thanks to the mutual repulsive activity of the positive charges of the micro-droplets which acting like a gas, can reach treated areas and guarantee the whole coverage of all surfaces without leaving residues.

QUICKNESS the system is able to sanitise up to 300 m³ with a single unit .

MATERIAL COMPATIBILITY the sanitising solution has a concentration 4 times lower (8%) compared to VHP systems (35%). It has has no risk classification, is not explosive, flammable or corrosive.

GMP REPORT full traceability of the biodecontamination operations: the related datas are saved to generate reports

SANITIZER MONITORING AND CONTROL IN REAL TIME the quantity of liquid dispensed, as well as its humidity, temperature and hydrogen peroxide concentration data, can be constantly monitored in real time.

ALCOA

Compliance according to the ALCOA principle:

A/ATTRIBUTABLE: each data is associated with the person

L/LEGIBLE: the data is legible and permanent

C/CONTEMPORARY: the recording of the data is contextual to the event that generates it through a unique "time stamp" and it is immediately verifiable

O/ORIGINAL: the data is original and validated, without the possibility of modification

A/ACCURATE: the data adheres exactly to the activities and actions done

DATA INTEGRITY the system guarantees data integrity in compliance with the ALCOA principle: all data are attributable, legible, contemporary, original and accurate.

TECHNICAL SPECIFICATIONS

- every system is able to sanitize up to 300 m³ with a single unit
- · hydrogen peroxide electromagnetic ionisation technology
- H₂O₂ <8% solution
- · diffusion optimisation
- · reduction of the cycle time
- · no ventilation needed to optimise the diffusion
- best compatibility of the materials
- · recipes saved and combined
- fully ergonomic
- · user-friendly touch display
- predictive maintenance
- time synchronisation with NTP (Network Time Protocol)
- full traceability
- · data available any time and anywhere through the Cloud
- · instant generation of GMP reports
- · complies with CFR21 part 11 regulation
- · weight: 35 kg
- dimensions (L x W x H): 529 x 345 x 956 mm



FIELD OF APPLICATION

· Sterile areas and controlled contamination environment

Touch 7" allows to manage the following activities: Initial set up / recall operations Maintenance and diagnostic operations Local user entry Start Monitoring of the operating parameters Data consulting and report generation REPORT The reports contains: Name and company logo Date and time Credentials of the operator Lot and expire date of the sanitiser used Cycle parameters: local name, volume, ml dispensed, dispensing time, contact time Result of the operation (presence or absence of anomalies) Value in ppm of hydrogen peroxide + Temperature + Relative Humidity % ready by the sensor (optional) at the end of gassing
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Value in ppm of hydrogen peroxide + Temperature + Relative Humidity % ready by the sensor (optional) at the end of gassing
Date and time of printing
Credentials of the user who prints the report
Signature space for approval
ACCESS
Registration of operators:
Username as a unique ID
Name and surname
Alphanumeric password





Role

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001:2015 =



ZHEROX®		
CODE	DESCRIPTION	PACKAGING
AM1600	ZHER OX ® - Mobile system for environmental biodecontamination	1 unit

ZHEROX® ACCESSORIES

CODE	DESCRIPTION	PACKAGING	
AM1601	Case for Zherox® - mobile system	1 unit	
AM1602	Kit WiFi for Zherox® - mobile system	1 unit	
AM1603	Kit WiFi extender for Zherox® - mobile system	1 unit	
AM1604	H_2O_2 probe kit for Zherox $^{\tiny{\circledR}}$ - mobile system	1 unit	