

# BIODECONTAMINATION



## STAND-ALONE MOBILE SYSTEM FOR ENVIRONMENTAL BIODECONTAMINATION

Zherox® Light – stand-alone mobile system is an AM Instruments mobile device for environmental biodecontamination with HPE ionising technology.

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.





#### **ADVANTAGES**

**EFFICACY** 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 less (8%) compared to VHP systems (35%). It has no risk classification and it's not explosive nor flammable.

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

#### **TECHNICAL SPECIFICATIONS**

- every system is able to sanitise up to 300 m<sup>3</sup> with a single unit
- · hydrogen peroxide electromagnetic ionisation technology
- H<sub>2</sub>O<sub>2</sub> <8% solution
- · diffusion optimisation
- · reduction of the cycle time
- · no ventilation needed to optimise the diffusion
- · best compatibility of the materials
- · fully ergonomics
- · user friendly touch display
- · startup routine diagnosis
- · basic maintenance with components usage counters
- · manual set up of date/time
- · cleaning reminder at the end of each cycle
- · basic reports generation
- · automatic detection of the tank through RFID
- status led
- software to create GMP reports (optional)
- · weight: 35 kg
- dimensions (L x W x H): 529 x 345 x 956 mm

### FIELD OF APPLICATION

sterile areas and contamination controlled environments





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



DISPLAY	
7" touch display allows to manage the following	activities:
Initial set up	
Maintenance and diagnostic operations	
Start	
Monitoring of the operating parameters	
Data consulting and report generation	

REPORT
Name and company logo
Date and time of start and end of the cycle
Credentials of the user who generates the report
Lot and expiry date of the sanitiser used
Result of the operation (presence or absence of anomalies)
Date and time of printing
Credentials of the user who prints the report
Signature space for approval

	PRODUCT	
CODE	DESCRIPTION	PACKAGING
AM1640	Zherox® Light - stand-alone mobile system for environmental biodecontamination	1 unit





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