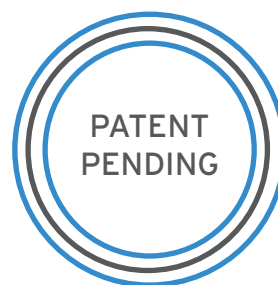


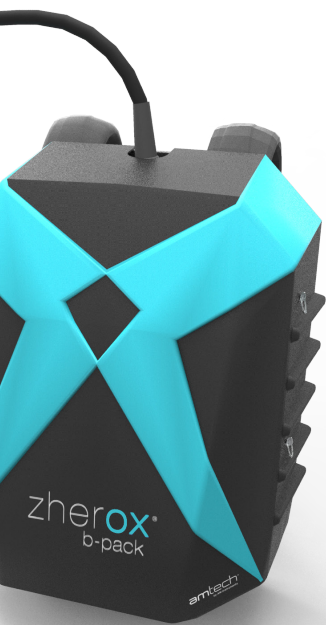
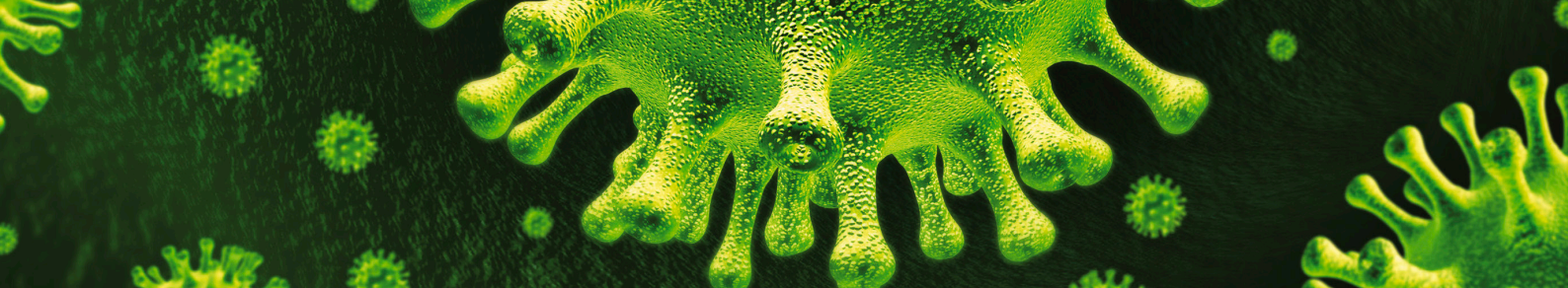
# Biodecontamination Zherox® b-pack



**The new boundaries of biodecontamination:  
efficiency, safety, quickness and portability**

Zherox® b-pack is the new AM Instruments system for biodecontamination. Zherox® HPE innovative technology is applied to a lightweight, portable system, which allows easy and safe use for the operator and with validated effectiveness.

**Zherox® b-pack simple and safe process  
guarantees sterilization of environments and surfaces**



## Zherox® b-pack

b-pack is a mobile device, battery-powered, for surfaces biodecontamination.

b-pack consists of a backpack with a sanitiser tank inside and a TLP® diffuser equipped with HPE ionizing technology.

HPE technology provides for the ionisation of the sanitising liquid molecules and ensuring an excellent diffusion while boosting the disinfectant efficacy. Control electronics provides optimal battery management.

The status LED applied to the diffuser indicates the charge level and the operating phase.

The aluminium alloy frame and the ABS body make the unit light and ideal for frequent use. The ergonomic diffuser allows continuous use avoiding operator fatigue.

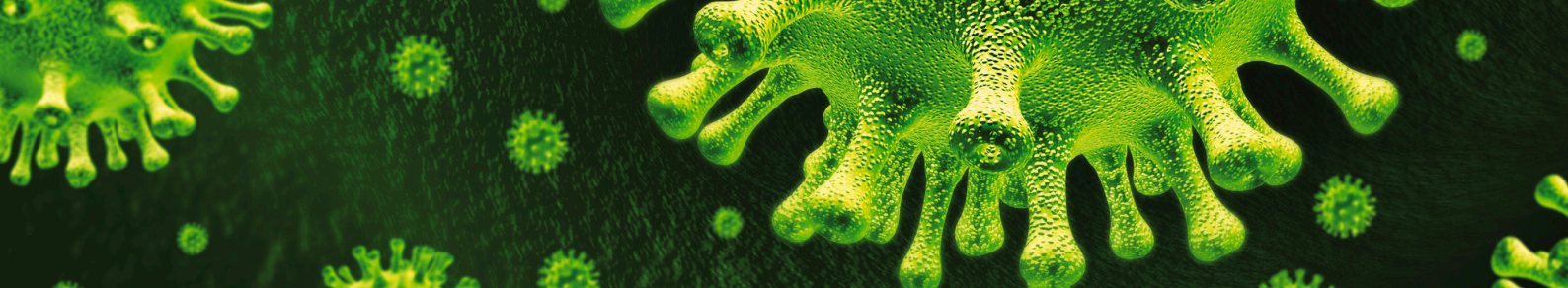
The 5 litre tank and the battery with a duration up to 3 hours of use guarantee high autonomy.

TECHNICAL DATA	
Weight	10 kg
Dimensions (h x l x p)	59 x 42 x 28 cm
Tank capacity	5L
Voltage	12 VDC
Battery life	2 h (continued use) 3 h (intermittent use)
Charging time	4h
Accessories	Charger/back up battery

### Biocidal Solution: Pharmaclean® Solution

Hydrogen peroxide blend with bactericidal, fungicidal, sporicidal and virucidal activity.





## HPE Technology

A <8% hydrogen peroxide solution is diffused through a nozzle, creating a mist of micro drops which, passing through a high voltage electromagnetic field, undergo an ionization process.

The resulting solution has a high concentration of hydroxyl radicals and reactive oxygen species (ROS) capable of damaging microorganisms through protein, carbohydrate and lipid oxidation.

The micro drops can reach even the most difficult areas, ensuring complete coverage of all surfaces. The resulting products, oxygen and water, don't leave any residue on the surfaces.

### EFFICACY

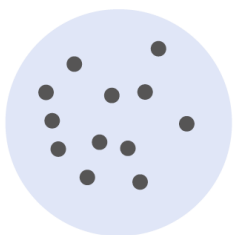
The efficacy and the distribution of the biodecontamination solution are guaranteed when passing through the ionising energy source. This source consists of an electromagnetic field that increases the oxidising effectiveness of the solution by 50% while reducing cycles duration.

### MATERIAL COMPATIBILITY AND SAFETY

Maximum material compatibility: the solution used has a concentration 4 times lower (<8%) than VHP systems (35%) and has no risk classifications. It's not explosive, it's not flammable, and it's not corrosive.



**ROS IRREVERSIBLY DAMAGE MICROORGANISMS (INCLUDING SPORES)  
GUARANTEEING THE COMPLETE STERILIZATION OF ENVIRONMENTS AND SURFACES**



SANITIZATION  
 $2 \text{ LOG } 10^{-2}$



DISINFECTION  
 $5 \text{ LOG } 10^{-5}$



STERILIZATION  
 $6 \text{ LOG } 10^{-6}$