

## DISINFECTANTS

# AIRDECON<sup>®</sup> 200

## ADVANCED WHOLE ROOM DECONTAMINATION SYSTEM (WRDS)

The airdecon<sup>®</sup> 200 is a Whole Room Decontamination System (WRDS), providing professionals with a highly effective means of Infection Prevention & Control. The airdecon 200<sup>®</sup> delivers a dry mist of Ozone and Hydrogen Peroxide for decontaminating air and surfaces. It is fitted with a unique diffusion principle that allows the disinfectant to be in contact, by displacement, with surfaces being treated, including those which appear inaccessible.

The device is fitted with a complex dynamic dispersal system, including a fluid vaporising system and an embedded ozone generator, all together linked to an HCI (Human Computer Interface). Used in conjunction with Amity HP 75 (H2O2) or peroxone (O3+H2O2). It is a fully automated system.

For patient wards, emergency rooms, operating rooms and infectious disease units.

For room decontamination, just roll it in place. Simple and quick, keeps your facility working.

### Primary features attributable to airdecon<sup>®</sup> 200 are:

- Simple and quick - keeps your facility working
- Safe & effective - Log7 reduction in one operation
- Peroxone - unique dosing system for high performance
- Ozone generation and detection
- Hydrogen Peroxide dry mist
- Amity HP 75 stored in sealed and ready-to-use containers with RFID
- Non-corrosive
- Bio-degradable
- Complies with NFT 72-281 (2009)



### In the Box

- Airdecon<sup>®</sup> 200
- An IEC standard power cord
- LAN (RJ45) cable
- CD-Rom (traceability program included)
- WIFI & tablet computer available as cost option

**Application**

The airdecon® 200 was developed to be used either Amity HP 75 [H<sub>2</sub>O<sub>2</sub>] or peroxone (ozone + Amity HP 75) [O<sub>3</sub>+H<sub>2</sub>O<sub>2</sub>].

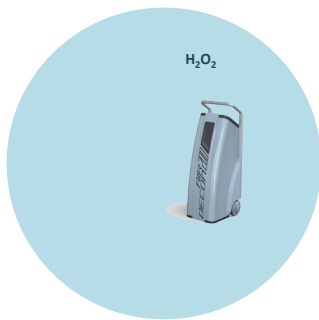
The peroxone process involves two essential steps: ozone dissolution and hydrogen peroxide addition.

There are two major effects from the coupling of ozone with hydrogen peroxide:

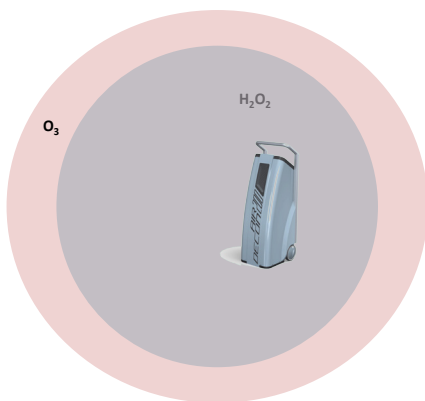
Oxidation efficiency is increased by conversion of ozone molecules to hydroxyl radicals; and

Ozone transfer from the gas phase to the liquid is improved due to an increase in ozone reaction rates.

Antimicrobial data confirmed to EN 13704, EN 14347, EN 14348, EN 14563, EN 13727, EN 1040, EN 14561, EN 14476, EN 13624, EN 14562 & NFT 72-281 (2009).



**Decontaminaton**



- Directives HARMONIZED STANDARDS  
 2006/42/EC NF EN 61010-1  
 2002/96/EC Electrical and Electronic Equipment Directive  
 2002/95/EC ROHS Directive  
 2004/108/EC EN 55022  
 CEI 61000-4-2  
 CEI 61000-4-3  
 CEI 61000-4-4  
 CEI 61000-4-5  
 CEI 61000-4-6  
 CEI 61000-4-11  
 CEI 61000-3-2  
 CEI 61000-3-3

**airdecon® 200 properties**

- 300m<sup>3</sup> capacity.
- System ensures the device does not start or automatically stops running if movement is detected and triggers an alarm.
- Ozone generation and detection.
- Humidity sensor.
- 7.5% Hydrogen Peroxide (Amity HP 75).
- RFID modules ensure that only authorized/ recognized containers can be inserted.
- Calibrated temperature sensor triggers an alarm when temperature exceeds 50°C.
- Clear warning lights show operators when decontamination is in preparation.
- 5 to 8 µm particle size.
- Filtering of all disinfectant to avoid the risk of nozzle blockage and disinfectant contamination.
- No pump, no liquid pressure sensor installed.
- Amity HP 75 stored in sealed and ready-to-use containers.
- No risk of leakage or accidental spillage (safe for operator).



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