

# Phileas® Genius

A concentrate of technology



Autonomous Airborne Surface Disinfection (ASD) device, with unique technique of dry fog using the centrifugation technique. In compliance with the **EN 17-272 norm.**  
Marketing Authorisation **N° AMM FR-2019-0071** obtained with the **O2SAFE7.4®** disinfectant.

## Technical characteristics

**Volume treated: 0.5 up to 5 m<sup>3</sup>**

**Device's flowrate: 400 mL/hr**

Diffusion time: for example 9 mins for 5m<sup>3</sup> at 12mL/m<sup>3</sup>

**Droplets size: 5 to 10 µm**

Up to 20 consecutive cycles

**3 diffusion orientation possibilities**

Liquid safety notification "Liquid inlet error" if the biocide tank is empty

Minimum maintenance, robust device

Biocide tank: 250 mL

Power: 45W

Size (l x w x h): 280 x 255 x 226 mm

Weight: 7 kg

Material compatible with O2SAFE7.4® & Phileasafe®

EN 17-272 compliant & Marketing Authorisation

Battery operated (NiMh), worldwide compatible, charger provided

Indication: final disinfection after cleaning

## After-cleaning three-step disinfection



### 1- Diffusion

*Microdrop Phase*  
Microdrop Technology®\*: the biocide sprayed in non-wetting fog covers the entire surfaces

### 2- Contact time

*Steam Phase*  
- Small droplet size allows to shorten the evaporation time  
- Biocide enters the microbial cells and kills it

### 3- Aeration

Recovery after 20 air changes

## Performance, Safety, Simplicity & Rapidity for the following applications:



**Pharmaceutical industry**



**Cosmetics industry**



**Research laboratories**



**Biotech industry**



**Food industry**



Isolators, RABS, incubators, BSC, airlock, freezer-dryer



## Performance

- 4- $\log_{10}$ , 5- $\log_{10}$ , **6- $\log_{10}$**  microorganism decrease **depending on the requirements**
- Effectiveness confirmed by the **Marketing Authorisation N°FR-2019-0071** and compliant with **EN 17-272**
- Possibility to set **up to 20 successive cycles**
- **Optimised fog diffusion** thanks to its multiposition possibilities
- **Battery autonomy:** 1hr20

## Rapidity

- Adaptation of the protocol according to the **goal and disinfection level** to achieve: up to sterilisation level
- Different zones & programs memorized (name, volume, biocide dose...) for fast disinfection cycle launch
- **Microdrop Technology®**: dry fog nebulisation technology and optimised contact time
- Light weight, **easy to move**, safe for users

## Security

- **Maintenance kit** supply, for reliable disinfection cycle each time
- **Remote monitoring with MyPhileas®**: no contact with the biocide
- **Management of accreditation level**: parameters of the zones can only be modified by the administrator (with a password)
- Compatible with O2SAFE7.4® and Phileasafe®:  $\leq 7.4\%$   $H_2O_2$  concentration, **safe for users and non corrosive for equipment**
- O2SAFE7.4® is 100% biodegradable, additive free and residue free

## Control, data analysis & traceability

- **Easy programming and total autonomy** with two criteria: volume & concentration
- **Automatic calculation** of the diffusion time
- Variables and treatment area **memorisation functionality**
- Get a **high traceability level with MyPhileas®** application:
  - Available on **laptop (Android & Windows) or tablet** (can be provided) via Wifi connection
  - **Remote control** during the disinfection cycle
  - **Traceability of the previous diffusion reports** via MyPhileas® application
  - Information of the device's conditions



## Why Devea?

- Biodecontamination expertise with the most demanding sectors & Marketing Authorisation
- Devea Services:
  - Protocol support & personalized advice
  - Disinfection service provision
  - Maintenance kit & step by step guided maintenance manual
  - Biological and chemical indicators provision
  - After-sale service & equipment repair diagnostic under 48hrs
- A range of products adapted for all volumes
- Design, manufacture and maintenance in France (Nantes)