

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 m³

Device's flowrate: 400 mL/hr

Diffusion time: for example 9 mins for 5m³ at 12mL/m³

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®: $\leq 7.4\%$ H₂O₂ 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)