Phileas® ONE
Volume & mobility

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: 10 up to 165° m³

Device’s flow: 1.2 L/hr

Diffusion time: 30 min for 50 m³ at 12 mL/m³ for example

Droplets size: 5 to 10 µm

Up to 5 consecutive cycles

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

Minimum maintenance, robust device

Biocide tank: 2L

Power: 60W

Size (l x w x h): 302 x 220 x 485 mm

Weight: 8 kg

Material compatible with O2SAFE7.4° & Phileasafe®

EN 17-272 compliant & Marketing Authorisation

Works on mains power

Power supply: 100-240V, 50/60Hz, 1.8A

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:

Health sector
Food industry
Research laboratories
Veterinary

* According to the calculation: tank capacity / 12mL/m³ dose (Marketing Authorisation)

** Microdrops resulting from the centrifugation technique
Performance

- Effectiveness confirmed by the Marketing Authorisation N°FR-2019-0071 and compliant with EN 17-272
- $4\log_{10}$, $5\log_{10}$, $6\log_{10}$ microorganism decrease depending on the requirements
- Possibility to set up to 5 successive cycles
- Light, robust and powerful: the perfect device for intensive utilisation
- Maintenance kit supply, for reliable disinfection cycle each time

Rapidity

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

Security

- Remote monitoring with MyPhileas®: no contact with the biocide
- Early notification if the biocide level is missing
- Easy and automatic programming system, reducing the risk of error by users
- Management of accreditation level: parameters of the zones can only be modified by the administrator (with a password)
- Compatible with O2SAFE7.4® and Phileasafe®: ≤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 advices
  - 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)

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