Phileas® 25
Small footprint, high performance

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:** 1 up to 40 m³
- **Device's flowrate:** 700 mL/hr
- **Diffusion time:** 20 min for 20 m³ at 12 mL/m³ for example
- **Droplets size:** 5 to 10 µm

Up to 20 consecutive cycles

- Liquid safety notification "Liquid inlet error" if the biocide tank is empty
- Minimum maintenance, robust device
- Biocide tank: 500 mL
- Power: 30W
- Size (l x w x h): 475 x 193 x 222 mm
- Weight: 5 kg
- Material compatible with O2SAFE7.4® & Phileasafe®
- EN 17-272 compliant & Marketing Authorisation
- Works on mains power or battery (optional)
- 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:**

- **Pharmaceutical industry**
- **Food industry**
- **Research laboratories**
- **Isolator, RABS, BSC, large airlocks, small rooms, laboratory**

* Microdrops resulting from the centrifugation technique
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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 20 successive cycles
- 2hr30 battery autonomy (optional)
- Easy to move thanks to its light weight
- 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 technology nebulisation 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 errors 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 Philesafe*: ≤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
  - 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)