

# Phileas® 15

Robustness & 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\*m<sup>3</sup>**

**Device's flowrate: 1.2 L/hr**

Diffusion time: 1 hr for 100 m<sup>3</sup> at 12mL/m<sup>3</sup> 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: 70W

Size (l x w x h): 441 x 294 x 278 mm

Weight: 8 kg

Material compatible with O2SAFE7.4® & Phileasafe®

EN 17-272 compliant & Marketing Authorisation

Battery operated (second battery optional) – 2hrs autonomy

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:



**Wine industry**



**Food industry**



**Transportation**



**Tanks and fermentors, EMS, bus, planes**

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### Performance

- Effectiveness confirmed by the **Marketing Authorisation N°FR-2019-0071** and compliant with **EN 17-272**
- 4-log<sub>10</sub>, 5-log<sub>10</sub>, **6-log<sub>10</sub>** microorganism decrease **depending on the requirements**
- Possibility to set **up to 5 successive cycles**
- 2hrs battery autonomy
- **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®**: nocontact 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 Phileasafe®: ≤7.4% H<sub>2</sub>O<sub>2</sub> 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)