



## Phileas® 5

Fixed and mobile  
for very small  
volumes



Autonomous Airborne Surface Disinfection (ASD) device, with unique technique of dry fog using the piezoelectric technology.

**Multi-nozzle and separable unit** for more efficient disinfection of very small volumes: nozzles to be placed inside the space to be treated, the control box remains outside for easy and safe monitoring. Integrated and mobile, the best of both worlds!

### Technical characteristics

**Volume treated: 50 up to 1000L**

2 nozzles on cords, to be positioned on the wall of the surface to be treated

**Device's flowrate: 420 mL/hr**

Diffusion time: 1min45 for 1000L at 12 mL/m<sup>3</sup> for example

**Droplets size: 4-12 µm**

Up to 20 consecutive cycles

Biocide tank: 250mL

Power: 20W

Total size (l x w x h): 212 x 295 x 243 mm

Separable unit size (l x w x h): 148 x 123 x 160 mm

Weight: 5.5kg (total), 1.5kg (separable unit)

Material compatible with O2SAFE7.4® and Phileasafe®

Minimum maintenance, robust device

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*  
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:



Research laboratories



Pharmaceutical industries



Biotech industries



Glove boxes, incubators, isolator, RABS



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### Performance

- 4-log<sub>10</sub>, 5-log<sub>10</sub>, **6-log<sub>10</sub>** microorganism decrease **depending on the goals**
- Adaptation of the protocol according to the **requirements** and **disinfection level** to achieve
- **Homogenous & qualitative dry fog** thanks to its unique nozzle technology

### Rapidity

- Last zone variables memorized for fast disinfection cycle launch
- Volume treatment in as fast as **1 minute 45** for **1 m<sup>3</sup>** at **12mL/m<sup>3</sup>**
- **Piezoelectric nozzle nebulisation technology**, perfect for very small spaces: dry fog technology and optimised contact time

### Security

- Maintenance kit supply, for reliable disinfection cycle each time
- Remote monitoring, no contact with the biocide thanks to its separable unit
- Easy and automatic programming system, reducing the risk of errors
- 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 and data analysis

- **Easy programming and total autonomy** with two criteria: volume and concentration
- **Automatic calculation** of the diffusion time
- Variables and treatment area **memorisation functionality**
- **Touch screen** and fast control set up

### Why Devea?

- Biodecontamination expertise with the most demanding sectors
- 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)