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:** 240 mL/hr
- Diffusion time: 1min45 for 1000L at 12 mL/m³ 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
Phileas® 5
Fixed and mobile for very small volumes

Performance
- 4-log₁₀, 5-log₁₀, 6-log₁₀ 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 m³ at 12mL/m³
- 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% H₂O₂ 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)