



Phileas® Genius

Optimum range

A concentrate of technology



EFFICIENT AND SAFE DISINFECTION IN THREE STEPS

1 | Diffusion

Microdrop phase

Microdrop Technology®*: Biocide is sprayed in micro-droplets, forming a non-wetting fog that covers all accessible and non-accessible surfaces, with excellent distribution.

2 | Contact time

Vapor phase

Evaporation of small droplets on contact with surfaces. Penetration of the biocide into the microbial cell and irreversible lethal action (full biocide spectrum).

3 | Aeration

Low H₂O₂ concentration: fast ventilation.

PHILEAS
BY DEVEA

Technical characteristics

New optimised interface Tactile interface (HMI)

Operator identification at the start

Screen 4.3 inches, color, easier browsing

Memory of all latest diffusions

Optimised connectivity Excellent wifi connection
Communication with the MyPhileas Optimum app

Traceability, data integrity

Audited compliant 21CFR Part 11 & Annex 11 with MyPhileas Optimum

4 operator profiles, traceability of all operations

Audit trail saved on the equipment

Diffusion results visible on screen, exportable in pdf format

Treated volume 0.5 to 5 m³

Device flowrate 400 mL/h, **biocide tank** 250mL

Droplet size 5 to 10µm

Size (L x W x H) 280 x 255 x 225 mm, **Weight** 7 kg

Multi-cycle Separate delay time and inter-cycle time

On battery (NiMh) charger supplied

Supply power 85W

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

Power supply equipment 24V DC, 3.54A max

Autonomous Airborne Surface Disinfection (ASD) device, with **patented** technology of non-wetting fog using the centrifugation technique. In compliance with **EN 17-272 standards**. Marketing Authorisation **AMM N° FR-2019-0071** obtained with disinfectant **O2SAFE7.4®**.

PERFORMANCE, SAFETY & EASE OF USE FOR THE FOLLOWING APPLICATIONS ACTIVITY SECTORS:

- Pharmaceutical industry, research laboratory
- Biosafety cabinets, isolators, incubators, passboxes

* Microdrop Technology: micro drops resulting from the centrifugation

PERFORMANCE

- Efficacy validated by Marketing Authorisation N°FR-2019-0071 and in compliance with EN 17-272 standards
- Microorganism reduction of 4, 5 and 6 log10 depending on requirements (*Geobacillus stearothermophilus* spores)
- Up to 20 successive cycles possible
- Easy to move and place in the most confined spaces (isolators, incubators, etc.).
- Preventive maintenance contract: guaranteed performance with every disinfection

EFFICIENCY

- Protocol can be adapted to meet specific **disinfection targets**
- **Quick start-up** thanks to program and zone memory (name, volume, biocide dose)
- **MicrodropTechnology®**: non-wetting fog technology and optimised contact time, short aeration time

SECURITY

- **Remote control with MyPhileas Optimum**: no contact with biocide
- Easy, automatic programming, reducing the risk of errors
- **Accreditation level management**: zone parameters can only be modified by the supervisor profile
- Compatible with O2SAFE7.4® and Phileasafe®: concentration of $H_2O_2 \leq 7.4\%$, safe for users and non-corrosive for equipment
- **Dosing pump** for filling the reservoir (optional): no need to handle biocide

INTEGRATION & TRACEABILITY

- Point-to-point wifi **communication**, excellent connection with MyPhileas Optimum application (tablet or PC).

Traceability, data integrity:

- Diffusion report and audit trail exportable in pdf format
- Equipment audited compliant with GMP Annex 11 and 21CFR Part 11 with MyPhileas Optimum application

WHY CHOSE DEVEA?

- Biodecontamination expertise recognized in the most demanding sectors
- Range of products and services adapted to all configurations
- Market Authorization issued

Devea Biodecontamtion Services offer:

- Qualifications (IQ, OQ)
- Cycle developpement, protocol, support & performance qualification
- Training
- Disinfection service provision
- Annual preventive maintenance contract
- Biological and chemical indicators supply
- After-sales service & equipment diagnostics within 48 hours
- Designed, manufactured and maintained in France

CONTACT