

Phileas® ISO

Inside range

Integrated isolator Airborne Surface Disinfection



EFFICIENT AND SAFE DISINFECTION IN JUST THREE STEPS

1 | Diffusion

Microdrop phase

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.

Technical data

Minimal space requirement

Inside the isolator Flush-mounted diffusion nozzle(s) at height

Outside the isolator Pumps, 2-litre canister of biocide on a weight sensor

Integrated process

Industrial PLC Siemens screen, process integrated into isolator monitoring (extraction monitoring, airlock door locking, etc.)

Flexibility Option to add nozzles, to treat adjacent spaces together or separately. Customisable projects.

Traceability, data integrity

Profiles User identification, associated rights, audit trail

Diffusion reports in pdf, with confirmation of compliance

Treated volume 30 to 500L / nozzle

Flow rate 50 mL/hr



Integrated airborne surface disinfection unit (ASD), using non-wetting fog technology.

PERFORMANCE, SAFETY & TRACEABILITY FOR THE FOLLOWING APPLICATIONS AND SECTORS:

- Hospital pharmacy isolators
- Pharmaceutical industry production isolators

PERFORMANCE

- Reduces microorganisms by 4, 5 and 6 **log10** depending on target (*Geobacillus stearothermophilus* spores)
- **Siemens PLC**, touch interface and industrial environment
- Preventive maintenance contract: performance assurance with every disinfection

SAFETY

- **Operator safety**: no handling of biocide, monitoring from the outside of the isolator
- **Safety of isolator equipment and materials**: treatment with low concentrations of H₂O₂, non-corrosive, respectful of installations.
- **Safety**: message in case of absence of biocide or insufficient quantity, before diffusion
- Operator identification on the equipment
- Easy, automatic programming, reducing the risk of errors
- Compact equipment inside the isolator, no risk of damage

EASE OF USE

- Simple centrifugation technology, easy maintenance
- Robust, reliable equipment
- Easy operator training
- Durability

INTEGRATION & TRACEABILITY

- **Integrated communication** with isolator and bio-decontamination programm: data integration, **communication with HVAC and doors**.
- Weight sensor under the canister: integration of diffusion data

Traceability, data integrity:

- Signed diffusion report, audit trail

WHY CHOSE DEVEA?

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

Devea Biodecontamination Services offer:

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



CONTACT