



Phileas® Control²

Control range

Safety and control of large volumes in GMP environment



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

Why choose Phileas® Control²?

Coordinated process with or without data exchange
Modbus Communication RJ45 connection
Industrial PLC Siemens screen

Maximum convenience to set up the disinfection process for operators
Pre-start safety Disc protection sensor, notification if biocide quantity is insufficient

Biocide tanks 2 x 5 L canisters, weight sensor under each canister
RFID Reader biocide data (batch no., minimum durability date)
Sensor H₂O₂, temperature and humidity (Vaisala) optional

Traceability, data integrity

Audited compliant 21CFR Part 11 and GMP Annex 11 operator identification at start-up, profiles and associated rights, audit trail
Diffusion reports in pdf, with compliance confirmation

Technical characteristics

Treated volume up to 800 m³*
Device flowrate 3000 mL/hr
Size (L x W x H) 976 x 830 x 485 mm
Weight 39 kg, 4 steering wheels
Mains socket CE conformity
Minimum maintenance robust equipment

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, animal research laboratory
- Controlled access zones, aseptic production zone

*according to the calculation tank capacity / 12mL/m³ dose (Marketing Authorisation)
** Microdrop Technology: micro drops resulting from the centrifugation

PERFORMANCE

- Microorganisms reduction by 4, 5 and 6 log₁₀ depending on target (*Geobacillus stearothermophilus* spores)
- Effectiveness validated by Marketing Authorization N°FR-2019-0071 and in compliance with EN 17-272 standards
- **Siemens PLC**, touch interface and industrial environment
- Preventive maintenance contract: performance assurance for every disinfection

SAFETY

- **Operator safety**: no handling of biocide, full use of canisters
- Safety of **cleanroom equipment and materials**: treatment with low concentration of H₂O₂, non-corrosive, respectful of installations.
- Security: disc protections removed before diffusion
- Security: absence or insufficient quantity of biocide before diffusion.
- Bright visibility (LEDs on dispensing modules, illuminated panels behind canisters)
- Operator identification on the equipment
- Easy, automatic programming, reducing the risk of errors
- Compact equipment, limiting the need for cables during disinfection cycles

EASE OF USE

- Simple centrifugation technology, easy maintenance
- Robust, reliable equipment
- Easy operator training
- Equipment designed for easy cleaning, maintenance and storage
- Durability

INTEGRATION & TRACEABILITY

- **Ethernet connection** (RJ45 port), modbus communication with PLC and building management system data integration, communication with HVAC, doors, etc.
- **H₂O₂ sensor**, temperature and hygrometry (*Vaisala* - optional): additional cycle compliance data
- Weight sensor under each canister: integration of diffusion data

Traceability, data integrity:

- Diffusion report signed compliant, audit trail
- Equipment audited in compliance with GMP Annex 11 and 21CFR Part 11
- **RFID reader**: batch number and minimum durability date of biocide reported on the report, without risk of data entry error

WHY CHOOSE DEVEA?

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

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 within 48 hours
- Designed, manufactured and maintained in France



CONTACT