



solidfog  
TECHNOLOGIES

EXPERTISE IN  
H<sub>2</sub>O<sub>2</sub> DISINFECTION



A wide range of customized solutions



## A WIDE RANGE OF CUSTOMIZED SOLUTIONS

### Dry fog surface disinfection: H2O2 generators with SolidFog® technology®

- **Simple:** Compact design, small size, mobile, and easy to run (plug-and-play)
- **Reliable:** Siemens logical controller, monitoring and self-diagnosis of operating parameters, cycle reproducibility (optimized cycle time/duration)
- **Economical:** High quality at a fair price, regardless of the choice of biocide (low concentration), offering better and broader materials compatibility
- **Easy validation:** Large dispersion capacity (up to 200 m<sup>3</sup>), very high effectiveness (up to a 6-log reduction), and data recording for cycle validation. Component calibration certificates, complete IQ/OQ documentation



### MOBILE DOSYMIST FOR CLEAN ROOMS

An easy-to-use, mobile piece of equipment with a compact design. The mobile version of the DosyMist is specifically designed for disinfecting rooms and premises with volumes ranging from 5 to 200 m<sup>3</sup>. This robust model disseminates the biocide homogeneously, including in rooms with complex layouts.

Several devices can be synchronized to treat large volumes; no preconditioning needed (no changes in T° or %RH)

Its effectiveness of up to a 6-log reduction and complete cycle traceability make this a powerful tool that is easy to use and quick to validate.

Our methodology banks on a comprehensive approach backed up by procedures designed to limit human error.

### DOSYMIST FOR MAL - SAS

The DosyMist model with a separate head can be used in the air locks for transfers between zones of different classifications, e.g., material air locks (commonly known as MAL) and special airlock systems (SAS). It has many applications for volumes of 2 m<sup>3</sup> and up:

Loading/unloading equipment (in/out MAL):

- Surface sterilization of plastic bags containing ready-to-use gamma-irradiated sterile tubes
- SAS for waste
- SAS for eggs
- SAS for transferring cages in animal houses, etc

The control and regulation frame can be placed either outside the MAL (in the corridor) or in its technical compartment. A communication protocol can be integrated to run the entire cycle (SAS and DosyMist) from the customer interface. We always aim for optimal cycle times in line with our customers' special situations. That point is our priority, second only to the disinfection challenge itself.





## DOSYMIST FOR PASS BOXES – MICRO-VOLUMES

This model is designed for the micro-air locks (pass boxes) at the entrances to sterile laboratories to be able to introduce utensils and materials into the lab without the risk of importing contaminants. We have optimized the cycle times to get results in well under an hour, with the specific times varying according to the characteristics of the volume involved (0.05-2 m<sup>3</sup>). This new device is based on technology that uses a piezoelectric ultrasound generator.

A must-have, for disinfecting micro-volumes (pass boxes, biosafety cabinet air locks, LAF cabinets, etc.) is likely one of the pharmaceutical industry's future challenges.

- Rapid transfers into a zone – a pass box is quicker than going through a MAL
- Transferring instruments and wrapped strains into cytotoxic contained areas, LAF cabinets, etc



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## DOSYMIST FOR RABS OR ISOLATORS

The DosyMist model with a separate head is also used in applications for open or contained spaces, e.g., RABS, isolators, LAF cabinets, etc.

Our technology converts the biocide to the gas phase so that its disinfectant action crosses HEPA/ULPA filters (measurements up- and downstream from the filter show decontamination).

In the case of a contained/airtight chamber or area, our equipment can be fitted with an air intake for closed-circuit disinfection without pressure loss in the isolator.

Examples of applications:

- Sterilization of stainless steel vibratory feeder bowls (1000 mm in diameter) that cannot be autoclaved because of space limitations.
- Restricted access barrier systems for filling syringes aseptically, etc.
- Development of cycles for specific applications
  - Calculation of strain resistance (devaluation)

## MOBILE DOSYMIST WITH A REMOTE ATOMIZING HEAD

This model is designed for even greater versatility. It effectively combines a mobile model for clean rooms and a remote atomizing head for disinfecting isolators and other small areas.

Depending on where it is used, a device with several atomizing heads mounted on a single control frame may be considered for applications that do not require synchronized disinfection of the various devices or areas.

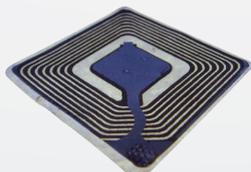
This versatile model makes it much easier for third parties to provide decontamination services. That lets certain customers save money on investment.



## ACCESSORIES AND OPTIONS

We have developed a broad range of options for our standard equipment:

- Centralized control system for several injection points
- Wi-Fi communication for downloading cycle data
- Data management compliant with the standard CFR21PART11 that guarantees the cycle data's traceability and inviolability
- Cycle compliance ticket printing
- Communication with the customer interface
  - DosyMist devices controlled directly by the customer's system (profibus, profinet, etc.)
- Parameterization of the cycle programs to select according to the application and/or zone to disinfect
- Separate mobile atomizer mounted on its own stand, so that the equipment can be used to disinfect a room or an isolator, LAF cabinet, etc., as needed
- RFID recognition, prefilled pouches
- Embedded scale to guarantee the precise amount of biocide delivered





## OUR KNOW-HOW

Our technical department is able to meet and, if necessary, customize the response to each customer's request:

- Technical analysis of the application, functional analysis, prototyping.
- Dry fogging surface disinfection services
- Manufacture and delivery of decontamination systems
- Technical documentation with certification and traceability (21CFR PART11)
- Installation Qualification (IQ) - Operating Qualification (OQ)
- Preventive maintenance and calibration  
According to good documentary practices

## OUR VALUES

### QUALITY

A quality charter with high requirements meeting the pharmaceutical industry's standards has been instituted.

A quality product for a happy customer: That is what long-standing presence on our target markets guarantees.

### FLEXIBILITY

A structure on a human scale that enables us to meet our customers' various specifications completely and precisely. Finding solutions is our goal. So, taking standard models as our starting points, we customize our range of products to suit our customers' needs.

### INNOVATION

A passion for innovation and development is what continues to drive our company's technicians and engineers. We are constantly watching technological developments through our in-house technology watch department. Our serious, professional approach to innovation is also what has led some of the major players of the pharmaceutical industry to develop systems for them.



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