

## Portable Glycerin Fogger, AFM Fog Pistol

Cleanrooms and ISO Suites have a constant flow of people and airflow turbulence. Technicians doing maintenance, Process Engineers working in production and robotic systems in movement cause contamination issues in cleanrooms and ISO Suites. Periodic maintenance and certification of the airflow is required according to USP 797 and / or ISO 14644-3 guidelines. What type of clean room fogger do you use. This portable glycerin fogger supports FDA and ISO guidelines to support your smoke studies.

FDA requires a neutral buoyant fog for airflow visualization in FDA controlled smoke studies. The Fog Pistol provides a neutral buoyant fog, that floats in the airflow for long distances for excellent airflow movement visibility, and does not rise or drop in the airflow due to the fog buoyancy and is not affected by temperature changes in the airflow.

The small portable design and superb glycerin fog output allows your staff to move around easily in the cleanroom or ISO suite, getting to those hard to get areas, conducting a highly visible smoke study and getting the job done. The Fog Pistol produces a neutrally buoyant fog, which floats into the airflow, providing long distance views of the airflow turbulence. The glycerine based fog is neutrally buoyant in the airflow because the glycerine fog vapor droplets are quite small with very low mass; ensuring the fog does not rise in the airflow or drop due to temperature changes in the airflow.

The AFM Fog Pistol can be used in ISO suites, Barrier Isolators, Glove Boxes, medical rooms, sterile rooms, medical surgery rooms. It has quick set up times, and it is PORTABLE and lightweight. It has all the primary accessories in one hand-held carry case, that is briefcase size, and there are even more accessories available, see below!

## UNIQUE CHARACTERISTICS OF FOG GENERATED WITH FOG PISTOL EVO.1 AND EVO.2

- Paper white fog
- High density fog for easy airflow contrast
- Long distance fog with up to 15 feet visibility
- Zero momentum fog allows the fog to travel with the airflow
- Fog generated basing on sterile grade media visufluid
- Clean, colorless, odorless, non-contaminating, no residue, requiring no wipe down
- Produces a neutrally buoyant fog
- Supports FDA requirements for smoke studies

## KEY FEATURES OF FOG PISTOL EVO.1 AND EVO.2

- Small, compact and light weight
- Fog enters the airflow with zero momentum due to a neutrally buoyant fog
- 60 ml refillable tank lasting for 60 min continuous fogging
- Carry Case is aluminum anodized in silver, cyan blue or black
- Fog generated basing on sterile grade media visufluid and hot wire technology
- Battery lasting for 60 minutes continuous fogging and recharges in about 60 minutes

## TYPICAL APPLICATIONS OF FOG PISTOL EVO.1 AND EVO.2

- Airflow Recovery tests guided by ISO 14644-3 annex B12
- Airflow Visualization and Smoke Study tests guided by ISO 14644-3 annex B7
- USP 797 in-situ airflow analysis and USP 800 compound pharmacy airflow tests
- Airflow tests for NSF 49 in Bio-Safety Cabinets (BSCs) and Barrier Isolators
- Airflow requirements using semiconductor clean room guidelines and guided by federal standard 209e
- Containment transport studies on process tools
- Optimization of airflow over and around equipment
- Track traffic routes that has air infiltration of contamination into cleanrooms
- Pressure balancing between rooms and spaces
- Operator training

## Compact Cleanroom Fog Pistol FP-R01 EVO.1

### FP-R01 EVO.1



Suitable for multiple cleanroom and ISO Suite applications  
Supplying a zero momentum fog to visualize airflow turbulence  
60 ml tank w/non-harming, sterile, no wipe down required after fogging  
Typical 60 minutes of fog per fill cycle on a full glycerin fill  
Standard Accessories included in the Carry Case includes

- 60 mm fog outlet element
- Rechargeable battery, 15v/3200mah, 48wh and Battery Charger supporting 115Vac or 220Vac/230Vac
- 2 syringe tanks of 60 ml capacity
- 1 filling syringe of 60 ml capacity with 2 luer-lock adapters
- 1 tube for filling/refilling
- Produces a neutrally buoyant fog with long distance airflow visibility

## **FP-R02 EVO.2**

Miniaturized cleanroom Fog Pistol FP-R02 EVO.2

Suitable for multiple cleanroom applications

Offering a 30 % higher fog output compared to the evo.1

Offering zero momentum fog to cloud modulation.

60 ml tank w/non-harming, sterile, no wipe down requiring fluid.

Standard Accessories included in the Carry Case (Choose your Carry Case Color)

- 60 mm fog outlet element
- Rechargeable battery, 15v/3200mah, 48wh and Battery Charger supporting 115Vac or 220Vac/230Vac
- 2 syringe tanks of 60 ml capacity
- 1 filling syringe of 60 ml capacity with 2 luer-lock adapters
- 1 tube for filling/refilling
- Provides long visible fog distances with a neutrally buoyant fog