PRODUCT INFORMATION

Model 2001 and 2010—Ultrapure Cleanroom Foggers

- *A non-contaminating fog generator for producing high-purity water fog for air flow visualization in cleanrooms*
- *Leaves no residue contaminants when droplets evaporate*
- *Suitable for photographic or video recording of air flow patterns in cleanrooms*

DESCRIPTION

The Models 2001 and 2010 are high-purity fog generators designed for air flow visualization in cleanrooms. These fog generators produce a high-density fog by quenching steam with liquid nitrogen to produce small (~3µm in diameter), pure water droplets suspended in a nitrogen carrier gas. The resulting fog is highly visible and truly non-contaminating. The droplets leave no measurable residues when they evaporate in the cleanroom air. These foggers can meet the most stringent demands of the modern semiconductor and pharmaceutical cleanrooms. The non-contaminating nature of these fog generators makes them suitable for use in an operating cleanroom without interrupting ongoing production or other activities taking place in the cleanroom.

FEATURES

- M2001 is a full-size fogger for generating a steady fog stream for up to ~45 minutes in duration
- M2010 is a small, portable fogger for generating a steady fog for up to ~25 minutes in duration
- Small (~3µm) droplet size and neutrally buoyant fog for airflow tracking over long distances
- Equipped with 2.5-meter flexible hose and 3-piece extendable wand assembly for convenient directional control of fog output

APPLICATIONS

- Visualize and track air flow faithfully in cleanrooms to determine the airflow trajectory for:
  - Troubleshooting
  - Photographic or video recording of air flow patterns
  - Flow balancing
  - Optimizing equipment location to minimize contaminant transport to critical areas
  - Finding unsuspected particulate and gaseous contaminant sources
  - Finding routes of air infiltration into the cleanroom
  - Visualizing standing vortices in laminar-flow cleanrooms
  - Studying wake flow behind objects in vertical laminar-flow and mixed-flow cleanrooms
  - Operator training on good contamination control practices
- Air flow visualization in and around:
  - Mini-environments
  - Clean benches and hoods
  - Ventilation and exhaust hoods. Architectural features such as doors

SPECIFICATIONS

Subject to change without notice

Ultrapure Cleanroom Fogger

	M2001	**M2010**
Dimensions	533x406x381mm	457x356x356mm
(WxHxD)	21”x16”x15”	18”x14”x14”
Weight	25 kg (55 lb)	20 kg (45 lb)
Boiler Volume	3 Liter	2 Liter
Dewer Volume	9 Liter	3 Liter
Power	115VAC50/60Hz 15A	115VAC50/60Hz 10A
Optional	220VAC50/60Hz 10A	220VAC50/60Hz 10A

Standard Accessories Provided

2.5 meter (8 ft) of nominal 30mm (1-1/4”) diameter flexible fog hose and 3-piece wand.

MSP Corporation
5910 Rice Creek Parkway, Suite 300
Shoreview, Minnesota 55126, U. S. A.
Phone: 651.287.8100; Fax: 651.287.8140
sales@mspcorp.com; www.mspcorp.com