



## FPT 500 Flow Pattern Testers (Clean Room Fogger)



### **Description:**

*FPT500 fog generator is most versatile & suitable for Air Flow Visualization by photographic or video recording of air flow patterns in Pharmaceuticals Cleanroom, Hospitals and other controlled environments. As per ISO 14644-3, USP 797, WHO TRS 961 & updated new GMP standards, complete study or assessment of Air Flow Direction is required for cleanroom acceptance criteria. This Tool is non-contaminating fog generator that can produce very high purity fog for airflow visualization test in clean rooms & high concentration of water aerosols (Atomized particle size 1-10 $\mu$ m on 80%) and which will leave no residue contaminants when droplet of water evaporates in side cleanroom. This product is widely accepted to Pharmaceutical, Healthcare and Semiconductor industries.*

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## **Features:**

- *Portable and exquisite.*
- *Used for ISO-5 to ISO-8 in Cleanroom, vial tunnels, LAFW, BSC, Isolators, etc.*
- *Very insignificant warm up time required i.e. <1 minute.*
- *Generating a steady good visibility of fog stream for more than 20 consecutive minutes in duration with optimal water level interval.*
- *Easy to produce curtain-shaped fog by using fog wand which helps to check laminar air flow pattern by covering maximum area of HEPA filter at a time.*
- *We can use maximum Extendable flexible grooved milky white hosepipe of 10ft.*
- *Low noise i.e.  $\leq 50\text{dB}$*
- *Ultrapure foggers with absolute non-contamination. No emission of toxic gases.*
- *Cool Fog output.*
- *No residual.*
- *Fog is good controllability.*
- *Air Volume is adjustable.*
- *Low cost & saves time, money and give good quality fog output.*
- *Less after-sales service.*
- *Now it's easy to conduct a Air Flow Pattern test (i.e. Smoke Study / in situ Air Pattern Analysis) at the critical areas under Dynamic Condition as per requirement of USP 797.*
- *Fill Water storage level indicator & water Drain.*
- *Visual indicators for Airflow, Atomization & Low water level.*
- *Auto Atomization switch off / cut off if water level is low.*
- *It releases non-polluted fog.*
- *We can sanitize it's body by using 70% IPA.*
- *After draining of water internal fan dry it internally so that it avoids microbial growth.*

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## TECHNICAL FEATURES

- **External Power supply** : AC220V 50Hz
- **Water tank volume** : 5 Liters
- **Water capacity Optimum level** : 2.5 Liters (Best Water level for Atomization)
- **Water capacity Max. fill level** : 3.5 Liters
- **Dimension** : 350mm x 230mm x 330mm
- **Weight of Empty FPT** : 9.2KG
- **Input Voltage** : DC 45V
- **Rated Power Consumption** : 216 W
- **Fog medium Impedance** : 16 to 64 MΩ Distilled Water or Filtered WFI (i.e. Water for Injection)
- **Fog medium conductivity** : 0.15 – 1.00 ms/cm
- **Fog output rate** : 0.95 m<sup>3</sup>/min
- **Aerosol Size Distribution** : 1 -10 μm
- **Continual fogging times** : 40 Minutes
- **Water Consumption** : 25 to 70 ml/Min.
- **Material of Construction** : Stainless Steel SS304

## APPLICATIONS

- Clean Room Laminar Air Flow Testing.
- Laminar Air Flow Workstations Testing.
- Airflow Balance Testing.
- Pressure balancing of inside & outside of the cleanroom testing.
- Chemical processing equipment exhausts system testing.
- Personal safety evacuation system testing.
- Wet cleaning exhaust system optimization.

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