



Flow Pattern Testers (Clean Room Fogger)

FPT 500 & FPT 700



Description:

FPT500 FPT700 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 be produce very high purity fog for airflow visualization test in clean rooms & high concentration of water aerosols (Atomized particle size 1-10 μ 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

PARAMETERS	FPT 500	FPT 700
External Power Supply	AC220V 50Hz	AC220V 50Hz
Water tank volume	5 Liters	7 Liters
Water capacity optimum level	2.5 Liters	4.5 Liters
Water capacity Max. fill level	3.5 Liters	5 Liters
Dimension	350mmx230mmx330mm	50cmx26cmx34cm
Weight of Empty FPT	9.2KG	20KG(without water)
Input Voltage	DC 45V	DC 45V
Rated Power Consumption	216 W	216 W
Fog medium impedance	16 to 64Ω Distilled water or Filtered WFI	16 to 64Ω Distilled water or Filtered WFI
Fog medium conductivity	0.15 – 1.00ms/cm	0.15 – 1.00ms/cm
Fog output rate	0.95m ³ /min	0.95m ³ /min
Aerosol Size Distribution	1-10μm	1-10μm
Continual fogging times	30 minutes	25 minutes
Water Consumption	25 to 30ml/min	200 to 300ml/min
Material of Construction	Stainless Steel SS304	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.*
