

Airflow Pattern Visualizer(AFPV)ZR-4001



Introduction

ZR-4001 Airflow pattern visualizer uses ultrasonic atomization to produce visible DI water fog with particle size of 1-10 μ m. It can help observing the airflow pattern including the flow direction and whether the airflow has vortices or dead points.

It can be applied in the cleanroom airflow visualization for pharmaceutical factories and cleanroom validation organization, biosafety cabinet quality test for BSC manufacturers and validation organizations.

Application



Features

- It is compact, portable, and easy to carry.
- A built-in rechargeable battery can work without power supply.
- 2.4-inch screen which can display fog volume, fan volume, and battery level.
- Clean DI water fog, no pollution, leave no trace.
- Separate adjustment of fog volume and fan volume which can cover more application scenarios.
- Convenient design of water inlet and outlet.
- Special material of host and tube for easy cleaning and disinfection.
- Variable curtain wand, freely combine into different shapes.

Reference standards

- ISO 14644-3
- NSF/ANSI 49-2024
- EN 12469-2000
- JJF 1815-2020

Packing list



Specifications

Parameters	Range
Fog droplet size	(1-10) μ m
Water consumption rate	\leq 10mL/min
Fog forming height	About 1.2m
Fog output rate	\leq 0.216m ³ /min
Water capacity	\geq 60min (standard water level)
Fog curtain wand	Can be extended to 1.2m
Battery	\geq 60min when fully charged
Working condition	(0-50) $^{\circ}$ C, \leq 85%RH
Noise	< 60dB(A)
Power supply	AC(220 \pm 22)V, (50 \pm 1)Hz
Dimension	(L172 \times W262 \times H227)mm
Weight	3.2kg (without water)
Power consumption	\leq 120W