ZR-4001 Airflow Pattern Visualizer（AFPV）

01
Overview

Airflow Pattern Visualizer（**AFPV**）is an excellent equipment for generating fog compliantly within our sterile cleanrooms and is incredibly easy and safe to use.

AFPV can generate 1-10 μm Water mist to visualize the airflow and observe the movement, judge whether there are vortices and turbulence.

Semiconductor Clean Rooms

Pharmaceutical Industry

Bio-Safety Cabinets

Scientific Research

02
Standard

GMP

ISO 14644

IEST-RP-006.3, 2012

Pharmaceutical USP 797 Guidelines

NSF 49 National Safety Foundation

Junray

03

Biosafety cabinet & clean room, Air flow balance test, Testing of exhaust system for chemical treatment equipment, Verification of personnel safety evacuation system, Pressure balance inside and outside the room, Leakage testing of air ducts.

- ✓ Portable, built in lithium battery.
- ✓ Adjustable air speed and density even during use.
- ✓ Works with deionized water (DI Water) and purified water (WFI-Water).
- ✓ Quick and easy water recharge.
- ✓ Excellent visualization for fog flows up to 3-5 feet.
- ✓ If the water level drops to a low level, the sensor is automatically protected, ensure long life and reliability.

04

Parameter	Range		
Generate particle size	(1-10) μ m		
Visible Fog Distances	3-5 feet (1-2m)		
FOG Type	Pure Fog using DI Water, WFI Water		
FOG Duration	≥60min		
Water consumption rate	≤10mL/min		
Fog output rate	≤0.216m³/min		
Length of fog probe	Can be extended to 1.2m		
Battery	≥60min		
Noise	＜60dB		
Host Size	262×172×227mm		
Host Weight	3.2kg		
Consumption	≤120W		
Working condition	Temperature	(0~50) ℃	
	Humidity	(0~85%) RH	
	Power Supply	AC（220+22）V，（50+1）HZ	
	Pressure	(60～130) kPa	