

TEK1-WFG WATER FOG GENERATOR



Front View



Rear View

TEK1-WFG is a cleanroom safe, portable device that uses supersonic waves to agitate purified water creating a visible mist. Airflow visualization test carried out by TEK1-WFG is as per ISO 14644 Annex. B7 Tracer Injection Method.

Conventionally, for airflow visualization in cleanroom the following tools were used:

1. TTC (Titanium Tetrachloride)

Drawback: TTC is proved to be carcinogenic and highly corrosive. It can corrode sensitive process machinery and can cause major accidents. It tends to remain in the HVAC system for a long time, as a result it has been banned in many countries.

2. Glycol/other plasticizer based smoke generator

Drawback: Glycol or other plasticizers are not corrosive but contaminate the cleanroom. It also coats ducts and other surfaces with oil thus causing a fire hazard.

3. Dry Ice

Drawback: Dry ice smoke sticks & contaminate the cleanroom and don't produce enough smoke. They also raise CO₂ to an unacceptable levels and do not have any stability.

All the above three do not have any microbiology test data

FEATURES

- SS304 body can be wiped clean with mild disinfectants and so is ideal for use in sterile areas in Pharmaceuticals cleanrooms
- It has the highest mist density among peers, more than 6000 ml / hr. – twice the flow of our competitors
- The fog volume if needed, can be controlled by a potentiometer
- A quick drain valve facilitates hassle free emptying of the water tank
- A higher tank capacity allows the unit to be used for a long time without taking a stop to cool the ultrasonic generator
- Snap fit hose adapter eliminates the need for any tools



Specifications & appearance is subject to change

- The mist generated doesn't leave behind any residue & fog is visible for more than 4 meters
- Unlike the separate fogger and controller, TEK1-WFG is a single unit
- Expandable and Shape Retaining hose
- This hose expands to 3 times size and retains its shape for greater visibility and convenience

SPECIFICATIONS

- Structure: SS 304 water tank capacity 2.5 liters
- Mist Volume: More than 6000 ml / hr.
- Electrical Power: AC: 230/110 V, 50/60 Hz
- Weight: Without water: 10 kg With water: 13.5 kg
- Dimensions (WxDXH): 450 x 250 x 250 mm
- Standard Hose length: Compressed: 3 ft. Expanded: 9 ft.
- Fogging Medium: WFI/ DI / Distilled water at room temperature
- Continuous operation with full tank: 40 minutes at low speed



ACCESSORIES

- 9ft. expandable hose, carrying case with Internal padding, Sparge tube and tapering nozzle



Connecting Handle (Optional)



1 Mt. Extension Tubes (Optional)



Tapering Nozzle



Sparge Tube



Multi Colour LED Light