CLEAN AIR SOLUTIONS

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Clean Air Trakker™
A Truly Portable Cleanroom Fogger

Video cleanroom airflow patterns

Visually verify fume containment

Identify resident vortices and flow disturbances

Trace migration paths

Verify pressure differentials

Dynamic smoke studies

Witness disturbances caused by motion of people, heat and robotics.

Easy to use - Add clean water, turn it on

Durable uni-body construction

Adjustable fog output velocity

Adjustable fog density

Rugged cleanroom case with S. S. hardware

Specifications

Case Dimensions: 17' x 18" x 12"
Unit Dimensions: 12" x 6" x 9"
Water Capacity: 1.2 liters
Material: 316L Electropolished Stainless Steel
Continuous Use: 1.0 hour capacity at maximum output
Power Input: 110V 50/60Hz or 220V 50/60Hz

Clean Air Solutions also offers training sessions, contract balancing and consulting engineering for contamination control systems: cleanrooms, mini-environments, barrier isolators.

Visualizing Cleanroom Air Flow Patterns

The need... See what is really happening.

Most people need to see the actual air flow patterns in their controlled airflow systems. The best way to accomplish this is with non-contaminating fog. When using fog some things to consider include:

- **You cannot blast large volumes of fog into an air stream without disrupting it.**
  Large volumes require high velocities or large diameter output areas. This changes the pattern you are trying to see. You need enough volume to get a good trace, but more is not always better.

- **You need to introduce the fog gently at low velocities.**
  The fog needs to roll naturally into the air stream or be injected parallel to it at a comparable velocity to get a true picture of the air flow patterns. This injection velocity needs to be maintainable and repeatable.

- **The fog needs to be very light and almost float in air.**
  Light weight (small particle size) fog is best to show low velocity air patterns, identify resident vortices, trace delicate contamination migration paths and witness disturbances.

- **The fog should dissipate leaving no residue.**
  Since the fog is intended to be used in a cleanroom this is essential.

- **The fog needs to be visible.**
  After all this is the ultimate goal, to see the actual air flow patterns. This allows you to perform non-intrusive, as used, dynamic smoke studies and video or map the air flow patterns.

The Solution... The Clean Air Trakker™

A portable cleanroom fogger capable of outputting saturated fog from a 3" diameter hose at adjustable velocities and densities. The lightest fog available for tracing delicate flows. Completely dissipates leaving no residue. An easy to use and durable unit that produces the right stuff in the right amounts from water and sound energy. Electropolished 316L stainless steel uni-body construction in a rugged cleanroom storage case. Just add water and turn it on.