美國 AP 洁净室二氧化碳烟雾发生器

- 在洁净室和其他空间的可视化监控气流流动特性的综合分析工具
- 独特的雾棒允许三种不同的雾模式：窗帘雾，云雾和喷气式雾，没有其他的喷雾机有此功能
- 紧凑设计
- 便携式
- 可用在 100 级-10000 级洁净室

CO2 Fogger, Portable Fogger

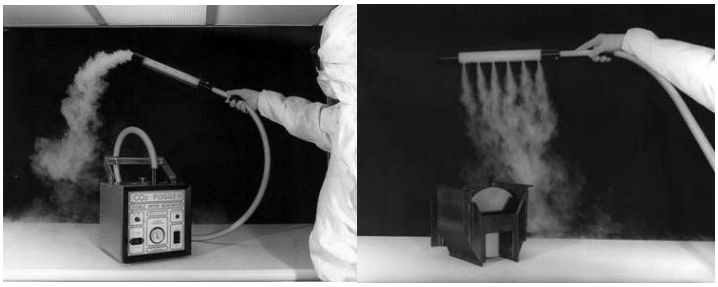
The CO2 Fogger is a smoke generator using DI Water and CO2 Ice for airflow visualization to produce a dense fog of about 6cfm for 6-10 minutes, depending on volume of CO2 ice used. The CO2 fog works well in video smoke studies to visually describe airflow, patterns and turbulence in Clean Rooms and Pharmaceutical ISO suites guided by USP 797 Pharmaceutical In-Situ Airflow Analysis.

CO2 Fogger

Cleanroom laminar flow testing
Airflow balancing
Wet bench exhaust optimization
Process equipment ventilation testing
Personal safety exhaust verification
Pressure balancing between rooms and spaces

CO2 Vapor Fogger, 3cfm

The CO2 Fogger is used to visualize airflow, turbulence and velocity patterns in your clean rooms. The fog is produced using a 1 lb. block of dry ice placed in a DI water reservoir which has been heated. The Model 5 CO2 Smoke Generator and Clean Room Fogger is NOT an “On Demand” fogger. Once the Fog process has started, it will continue to produce fog, 3 cfm at first, then decreasing down to 0 cfm when the dry ice has been consumed. During operation it can be unplugged and carried to the area to be tested. The Optional CO2 Fogger wand is designed to allow the user to select the type of fog dispersed from the wand, e.g., jet fog (left photo) or curtain fog (right photo). Simply sliding the end of the wand will select the desired fog pattern.



Features

- The CO2 Smoke Generator and clean room fogger is a multipurpose analytical tool for visually monitoring airflow characteristics in cleanrooms and other spaces.
- The unique wand allows three different fog patterns to be generated: curtain fog, cloud fog and jet fog. No other fogger has this feature.
- Compact: Less than one cubic foot in size.
- Portable: Easily carried into the tightest spaces to perform airflow tests.
- Weight: About 26 lbs. (57.2 KG) with water and dry ice.
- Can be used in the Class 100 - Class 10,000 spaces.

Applications

Cleanroom laminar flow tests
Airflow balancing
Wet bench exhaust optimization
Chemical process equipment ventilation tests
Personnel safety exhaust verification
Pressure balancing between rooms and spaces
Leak detection in ducts


Optional Storage and Transport Case


Optional 460 Dry Ice Maker

CO2 Vapor Fogger FAQs

- The CO2 Smoke Generator and Clean Room Fogger works on the principle of combining dry ice (solid carbon dioxide) with heated, ultra-pure (DI) water in a hard anodized heating chamber to produce a non-contaminating fog. The fogger is protected by over-temperature sensors and can be run dry without harming the equipment.
- CO2 in normal (lack of high heat) conditions is stable, inert and non-toxic.
- The average atmosphere, including cleanrooms, contains ~3.3% CO2.
- The average person exhales 5.5% CO2.
- The CO2 used in the Fogger is the same CO2. It is not in particle form. There are no carbon particles, nor any residue left from contact with the vapor.
- CO2 ice is produced in the dry ice block maker can be purchased as pure as 0.98%.
- CO2 is used in many specialized ultra-pure cleaning applications in the semiconductor and other industries.
- No, disinfectants or other additives cannot be added to the water.
- No, this CO2 fogger is not intended to eliminate insects or pests.

CO2 Vapor Fogger Specifications

Dimensions	12 ¼" W x 11 ¾" H x 11 ½" D (311 x 298 x 292)
Weight (including water)	24 lbs. dry (10,9 Kg)
Liquid capacity	1.0 L
Fog life, Fog Distance, Fog Volume	~ 6 - 10 minutes continuous use, 3 feet distance (0.9m), 3cfm fog volume
Power supply	Input; 120VAC @ 12.8A or optional 240VAC @ 10A

Optional input voltages of 100VAC, 240VAC, 50/60Hz