



The Mini Fog System

A Modern Method to Enhance Small Space Disinfection



The Mini Dry Fog system provides an easy-to-use, high technology solution for confined-space fogging. The combination of our highly effective MINNCARE Cold Sterilant chemical and our state-of-the-art Dry Fog delivery system enables users to rapidly and safely deliver MINNCARE vapor to even the most complex areas. Its sanitary and autoclavable design permit its use in the most critical areas within pharmaceutical and other industries concerned with maintaining the utmost levels of sterility. The flexibility of the Mini Dry Fog nozzle allows for rapid vapor dispersion and ensures that the entire space is exposed to dry fog.

Short Process Time

The lack of toxic aldehyde vapors results in extremely short process times—over 95% faster than some conventional systems. This means less production downtime and lower total costs. Typically, the entire process can be completed in less than 1 to 2 hours, depending upon the size of the space and ventilation system efficiency, compared to up to a full day with some conventional systems.

Ultrafine Droplets

The Mini Dry Fog equipment is designed to produce fine droplets that average less than 10 microns in diameter which will ensure even dispersion of the MINNCARE solution throughout the space. These small droplets will tend to bounce off of solid surfaces and thus avoid excessive condensation, corrosion and surface wetting issues associated with systems producing larger droplets. The small droplets evaporate and the vapor penetrates normally inaccessible areas resulting in a more effective process.

Highly Flexible System

The system is easily adaptable to differing space dimensions and can be adjusted to reach all areas of a small confined space. It is readily transportable and can be used in multiple locations, needing only a compressed air source to operate. It will quickly deliver up to 500 ml of solution to effectively reach all areas of small spaces such as isolators, fume hoods and biosafety cabinets.

Optimal Efficacy

MINNCARE is a hydrogen peroxide and peracetic acid based proprietary chemistry developed by Minntech Corporation, a Cantel Medical Company, for optimized biocidal efficacy. It is registered by the EPA for use as a fog to enhance existing cleaning and disinfection processes. It is fully biodegradable and will leave no measurable residuals once the space has been fully ventilated. MINNCARE contains only pharmaceutical quality raw materials, limiting the introduction of any undesirable components into the clean room environment.

Dry Fog Equipment Advantages

- Substantially lower cleanroom downtime.
- Regular use may contribute to maintaining low particulate levels due to the suppression of airborne particles by the droplets.
- Lack of noise and ultrasonic vibration during use.
- Use of the Dry Fog Vapor Detection system allows users to verify absence of residual Minncare vapors prior to putting the rooms back into use.
- Can be used in a variety of facilities: • Pharmaceutical • Biotechnology • Animal research facilities • Medical device manufacturers.

Dry Fog Equipment Advantages

- ✓ Controlled and consistently accurate droplet size
 - Minimizes risk of condensation
 - Ensures penetration into normally inaccessible areas
- ✓ Effective dispersion of Minncare™ vapor in all areas of room
- ✓ Robust construction, with easy maintenance
- ✓ Does not require electrical connection
- ✓ Sanitary construction using 316L Stainless Steel for key components
- ✓ Autoclavable design
- ✓ Portable system can easily be used in multiple locations
- ✓ Single units are suitable for use in volumes up to 20m³ or a 700ft³ room and will disperse up to 500ml of liquid Minncare solution.
- ✓ No secondary wiping required after fogging (no residual)



Minncare Cold Sterilant Advantages

- ✓ EPA registered for fogging as part of normal cleaning and disinfection
- ✓ No toxic aldehyde vapors
- ✓ Much faster and safer to use than existing aldehyde based disinfectants
- ✓ Very effective bactericide, fungicide, virucide and sporicide
- ✓ Fully biodegradable
- ✓ Contains only pharmaceutical quality raw materials
- ✓ Less corrosive than aldehyde based liquids



Mini Dry Fog Specifications

Approximate Machine dimensions (assembled)..... 13" x 18" x 6.5" (33cm x 46cm x 17cm)
 Approximate Shipping dimensions:..... 15.8" x 15.8" x 8.3" (40cm x 40cm x 21cm)
 Approximate Machine weight: 8 lbs. (3.6 Kg)
 Approximate Shipping weight: 22lbs. (10 Kg)
 Compressed air supply needs: 75 psi (5 bar)
 Minimum 2.0 scfm (56 liters/minute) air supply

Applications

- Biosafety Cabinets
- Disinfection Locks
- Glove Box
- Pass-Through Rooms
- Ambulances



Vapor Detection

The Dry Fog Vapor Detection System provides an accurate and simple way to ensure the air inside the room has minimal residual MINNCARE Cold Sterilant vapors, ensuring the safe re-entry of operations personnel after minimal ventilation.



Remote Control

The optional wireless remote control unit allows the operator to turn the system on and off from outside the space.



Protective Case

Each Mini Dry Fog unit comes with a handy carrying and storage case. This protective case helps to protect and transport the unit.

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