



# MINNICARE DRY FOG™ SYSTEM

**An Integral  
Part of Modern  
Cleanroom  
Disinfection  
Procedures**



**MAR COR**  
**PURIFICATION**  
A Cantel Medical Company

# MINNCARE DRY

## Dry Fog Equipment Advantages:

- 4 Controlled and consistently accurate droplet size
  - Minimizes risk of condensation
  - Ensures penetration into normally inaccessible areas
- 4 Effective dispersion of Minncare® vapor in all areas of room
- 4 Robust construction, with easy maintenance
- 4 Does not require electrical connection
- 4 Sanitary construction using 316L Stainless Steel for key components
- 4 Autoclavable design
- 4 Portable system can easily be used in multiple locations
- 4 Single units are suitable for use in rooms up to 35,000ft<sup>3</sup> (1000m<sup>3</sup>) and will disperse up to 11 liters per hour of liquid Minncare Cold Sterilant solution.

## Minncare Cold Sterilant Advantages:

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



## Additional advantages associated with the use of the Minncare Dry Fog System:

- 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 clean rooms in a variety of facilities including:
  - Pharmaceutical • Biotechnology • Animal research facilities • Medical device manufacturers

**The Complete Solution for Clean Room and Critical Area M**

# FOG SYSTEM



## Optimized System

The Minncare Dry Fog system provides an easy to use, high technology solution for clean room and critical area 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 will permit its use in the most critical areas within pharmaceutical and other industries concerned with maintaining the utmost levels of sterility.

The location and action of the dry fogging head at the highest point of the equipment allows for rapid vapor dispersion and ensures that the most distant areas are reached effectively.

## 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 3 hours, depending upon room size and ventilation system efficiency, compared to up to 3-5 days with some conventional systems.

## Ultrafine Droplets

The Minncare Dry Fog equipment is designed to produce fine droplets that average 7.5 microns in diameter which will ensure even dispersion of the Minncare solution throughout the room. 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 will penetrate normally inaccessible areas and lead to a more effective process.

## Highly Flexible System

The system is easily adaptable to differing room dimensions and configurations and can be adjusted to suit any room height. It is readily transportable and can be used in multiple locations, needing only a compressed air source to operate. It will deliver an adequate solution quantity to rooms up to 35,000ft<sup>3</sup> (1000m<sup>3</sup>). Beyond this size, multiple machines may be required.

## Optimal Efficacy

Minncare is a peracetic acid and hydrogen peroxide based proprietary chemistry developed by Minntech 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 air residuals once the room has been fully ventilated. Minncare contains only pharmaceutical quality raw materials, limiting the introduction of any undesirable components into the clean room environment.

Minncare Fog Dispersion



## Dry Fog Vapor Detection System

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.



## Dry Fog Remote Control

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

## Dry Fog Equipment Specification

Dry Fog Machine dimensions:	11.1" x 13.2" x 103" (28cm x 33.5cm x 261cm)
Shipping dimensions:	17.7" x 17.7" x 47.2" (45cm x 45cm x 125cm)
Dry Fog Machine weight:	57 lbs. (26 Kg)
Shipping weight:	117 lbs. (53 Kg)
Compressed air supply needs:	75 psi (5 bar) Minimum 2.5 scfm (70 liters/minute) air supply per nozzle

## To Order:

### Ordering Information for Standard Options

Model	Description	Packaging
78398-611	Dry Fog Machine, 25L, one 7.5µ Nozzle with aluminum case	per piece
78398-612	Dry Fog Machine, 25L, two 7.5µ Nozzles with aluminum case	per piece
78398-613	Dry Fog Machine, 25L, three 7.5µ Nozzles with aluminum case	per piece
78398-614	Dry Fog Machine, 25L, four 7.5µ Nozzles with aluminum case	per piece
78399-328	Minncare Dry Fog Remote Control Unit (U.S. version)	per piece
78399-410	Minncare Dry Fog Remote Control Unit (European version)	per piece
47049-213	Dry Fog Nozzle	per piece
47049-214	Dry Fog Cap	per piece
78325-400	Minncare Cold Sterilant (4 - 1 quart bottles)	4x1 qt
78325-150	Minncare Cold Sterilant (4 - 1 gallon jugs)	4x1 gal
78399-308	Dry Fog Vapor Detection Deluxe Pump Kit	per piece
78399-309	Dry Fog Hydrogen Peroxide detector tube	per 10
78399-310	Dry Fog Acetic Acid detector tube	per 10

**Call: (800) 328-3370**

**www.mcpur.com**



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