

05 Universal for Use in Any Place

“The Fog Engineers”
いけうち H. IKEUCHI & CO., LTD.



Hospitals (operating rooms)



Hospitals (patient rooms)



Hospitals (waiting rooms)



Food processing facilities



Kitchens, kitchen sinks



Kindergartens, classrooms

Transportations
(railways, buses, ships)

Offices

Backpack Disinfectant
and Deodorizer Sprayer

Dry-Fog HIGHNOW®
universal sterilizer backpack

Patent pending

Dry-Fog HIGHNOW® precisely disinfects and deodorizes any area without causing wetting.

- **Smoke-like Dry-Fog* reaches every corner, attacking bacteria.**
- **Capable of spraying continuously for 40 minutes with lithium-ion batteries.**

*A very fine fog with a uniform, mean droplet diameter of 10 μm or less.



Specifications of the products and contents of this leaflet are subject to change without prior notice for purpose of product improvement.

Please feel free to send any inquiry, request for information or quote on this product to the contacts below.

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For Quick and Easy Disinfection and Deodorization *Dry-Fog HIGHNOW®*

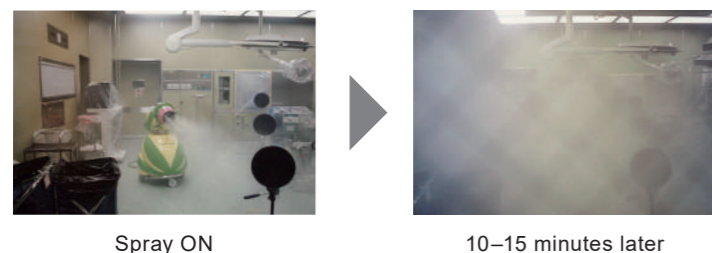
Numerous invisible bacteria float in the surrounding air.
 Dry-Fog HIGHNOW® disinfects whole the space with non-wetting fog.
 Hassle-free unit operable by anyone just by pressing single switch.



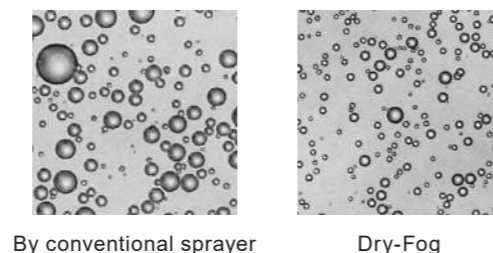
01 Excellent Features of Dry-Fog

Reaches bacteria lurking in corners or floating in the air.
 “Dry-Fog” doesn’t wet people or objects, and doesn’t require a drying process.

Disinfection test by Dry-Fog spray
 (at a Japanese national university hospital)



Comparison of fog droplets
 (50X)



Instantly filling up a room with fog so as to let a person feel being in the midst of cloud, disinfects every corner of the room.

A very fine and uniform fog with no large droplets doesn’t wet people or objects.

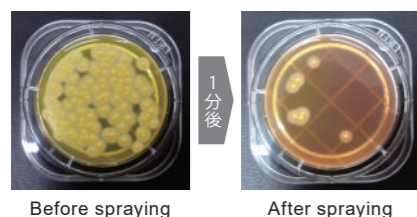
Dry-Fog HIGHNOW® performs effective disinfection in such places with or occasions as below:

- Power source not nearby
- Many blind spots
- Uneven floor
- Want to sterilize high ceiling as well at once
- Quick sterilization in an emergency
- Want to do deodorization as well as disinfection

02 High Disinfecting Effect

High disinfecting effect proven by on-site monitoring results of bacteria at the height, floor, and narrow paths.

The article describing the effect was presented in the USA.*



Disinfectant : Hypochlorous acid water
 Concentration : 200 ppm
 Bacteria : Staphylococcus aureus
 Spray distance : 800 mm
 Spray duration : 5 seconds

*Evaluation of an Automatic Fogging Disinfection Unit (Environmental Health and Preventive Medicine Vol. 6, No. 3, October 2001.)

03 Easy-to-use First

Reduces stress in working over a long time, by dispersing load on shoulder and back.
 Elaborate design for easy-to-use.

- Japanese high-performance air compressor**
 - Durability over 5,000 hours.
- Controller**
 - Designed for operation with low energy consumption.
- Lithium-ion battery**
 - Top-level long-life and safety in the industry.
- PVC chemical tank**
 - Suits various kinds of chemicals.
- Shoulder harness**
 - Ideally disperses load on shoulder and back.
 - Ergonomic design doesn't give the feeling of being weighed down.
- Shut-off adaptor**
 - Prevents dripping from the nozzle when spray stops.
- AKIJet® nozzle, newly developed**
 - Delivers Dry-Fog reaching through into every corner of a room.
- Reach rod (lance) of double pipe structure**
 - Long-reach rod helps sterilization from the floor to the ceiling all at once.
- Battery indicator**
 - LED indicator displays remaining battery power.
- Spray ON/OFF switch**
 - Spray Start/Stop just by pushing the switch.
 - No need to pull the lever of the gun to spray.

Caution: Wear appropriate safety glasses, mask, etc. for protection against disinfectant.

04 Specifications

Dry-Fog Nozzle (Patented nozzle: AKIJet®)	Spray capacity: 2.0 liters/ hour Mean drolet diameter: 10 μm or less*
Battery	Lithium-ion batteries (12 V x 2 = 24 V) Continuous operation time: approx. 40 minutes Recharge time: approx. 120 minutes
Chemical tank	Material: PVC Capacity: approx. 1.2 liters
Mass	Body: approx. 13.5 kg (full tank), approx. 12.3 kg (empty tank) Long-reach rod and gun part: approx. 0.7 kg
Dimensions	Body: W 320 x D 290 x H 770 mm (Width x Depth x Height) Long-reach rod: approx. 800 mm

*Measured by the laser diffraction method.