

GMEE

GERMAN MEDICAL
EQUIPMENT EXPORT
HDC-19 Cooperation

PRODUCT PRESENTATION DISINFECTION MACHINE **HDC – 19 PRO**



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WHAT IS HCD-19?

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The **HDC-19 PRO Cold Mist Disinfection**

Device makes disinfecting rooms and large

halls very easy and safe. At the push of a

button, the cold mist device kills viruses (e.g.,

corona virus), bacteria, fungi, yeasts, and

spores.

”



Specification HDC-19-Pro Cold Mist Disinfection

Intended Use: Fully Automated Aerosol **Ultrasonic** Disinfection with reporting/logging function. For small to very large indoor areas, volume 10m³ up to 400m³.

Fully wireless and cordless System with Smart Phone control.

Cabinet:	Stainless steel plus white powder coated
Measurements:	Height (570mm), Width(300mm) Depth(610mm)
Weight:	23kg

2 TECHNICAL SPECIFICATIONS OF HCD-19



Electric Specs:	current (230V) (50/60 Hz)
Power:	170 W
Battery:	Li-Ion, 48Volt DC
Operation time:	up to 3 hours on full charge
Tank Volume:	2.5 liter “easy tank” system
Noise level:	super quiet 38 dB
Standard:	500ml/h
Turbo Mode:	1.2 liter/h
Fan Speed:	Hi/Lo independently programmable
Aerosol:	Super Fine < 5 micron diameter
Display:	5” color LCD, touch Screen
Connectivity:	WiFi / App
Timer:	Weekly timer, freely program start and disinfection time up to 4 events.
Sensors:	Room Temperature

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HOW DOES HDC-19 WORK?



Compared to pressurized- or jet dispersion creates the **ultrasonic** dispersion particles smaller by factor 50!

- better dispersion in the room, surfaces and the air.
- savings due to less consumption of the solution!
- higher efficiency and „Kill Rate“ and faster

Clinical references, applications at high frequency clinics e.g. 60 minutes to re-occupy a room.

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Welcome to HDC-19

by GMEE

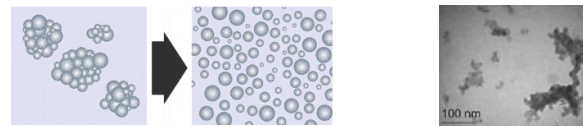
ENTER



ULTRASONIC TECHNOLOGY

- Ultrasonic generators create vibrations on the liquid surface
- The liquid will swing in the given frequency, but will not be able to follow the high frequencies. The physical forces will stop to act, this creates implosions of small vacuum bubbles which will release **ultra-fine submicron molecules from the surface in the form of nano-scale fog.**
- Accordingly HDC-System uses less liquid for reaction with a given surface area compared to other methods.
- Particles are attracted and held together by several physical and chemical actions, including the Van-der-Waals-Forces and surface tension.
- The smaller the particles, the better you can use the physical laws of diffusion and the less material
- It will be used and more of the surface will be covered. HDC generates micro particles which are most efficient.

Mode of Action Ultra-Fine Atomization





Hydrogenperoxide is a disinfectant, it is deodorizing and an anti inflammatory.

It has significant anti-viral, anti-bakterial and anti-funghal properties and is therefore a very powerful disinfectant.

H₂O₂ Hydrogenperoxid kills bacteria at once without any harmful residue, it is used for:

- ✓ Food packaging and processing.
- ✓ Surface disinfection for meat processing, manual disinfection for breweries, dairy plants and all food processing
- ✓ Laundries, cosmetic industry
- ✓ **biocompatible and 99.99% biodegradable**

Clinical studies concludes a 3% Hydrogenperoxide contact with viruses including noravirus kills it **within 1 minute**



Therapy advantage

Successfull use of the device as a therapy device, to combat symptoms and accelarate the healing process.

Besides being economically priced, power consumption as well as hydrogen peroxide usage are at a cost-effective minimum. The **HDC-19 PRO Cold Mist Disinfection Device** is maintenance-free, and easy to operate, in part to exceptional **German** engineering!