

# STERAMIST<sup>®</sup>

POWERED BY BINARY IONIZATION TECHNOLOGY<sup>™</sup>

DISINFECTION &  
**DECONTAMINATION**



ONE SCIENCE.  
**ENDLESS APPLICATIONS.**

INNOVATING FOR A **SAFER** WORLD<sup>®</sup>

# STERAMIST®

## DISINFECTION & DECONTAMINATION

### ONE TECHNOLOGY. MULTIPLE SOLUTIONS.

Globally trusted and internationally sold, SteraMist stands apart from competitors in critical ways without compromise. Developed by DARPA, SteraMist is the *only* disinfection technology using revolutionary ionized Hydrogen Peroxide (iHP), the *only* EPA registered handheld device that delivers a six-log (99.9999%) kill, and *the very first* EPA registered solution and technology combination.

**Streamline your disinfection with superior performance and a dedicated support team.**



**STERAPAK**  
*Cordless Portability*



**SURFACE UNIT**  
*Precision Control*



**ENVIRONMENT SYSTEM**  
*Whole Room Treatment*



**CUSTOM ENGINEERED SYSTEM**  
*Tailored SteraMist Solution*



### FEATURING EFFICACY AGAINST *GEOBACILLUS STEAROTHERMOPHILUS*

*Bacillus atrophaeus & subtilis*

*Clostridium difficile* spores

Anthrax & Chemical Warfare

Ebola

MRSA

*Escherichia coli*

*Staphylococcus*

Norovirus

*Salmonella*

*Pseudomonas*

Mold and Mildew Spores

Influenza A Virus (H1N1)

...and many more!



- Fast Application
- Kills on Contact
- No Toxic Byproducts



- No Mixing or Dilution
- No Wiping or Rinsing
- No-Touch Disinfection



- Non-Hazardous
- Superior Compatibility
- Improve Facility Ratings



## TECHNOLOGY AT A GLANCE

# STERAMIST® iHP | IONIZED HYDROGEN PEROXIDE

### BEHIND THE COLD PLASMA PROCESS OF iHP™

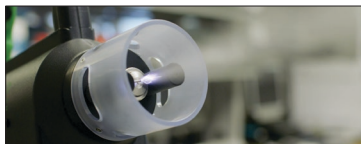
Many competitors rely on corrosively high concentrations of  $H_2O_2$  for efficacy, and many others use harsh chemicals, additives, and heavy applications that can damage sensitive equipment and surfaces. While competitors only vaporize or spray, **SteraMist ionizes.**

Using cold plasma technology, SteraMist generates BIT™ Solution's sole active ingredient of 7.8%  $H_2O_2$  to form Reactive Oxygen Species (ROS): naturally-occurring atmospheric hydroxyl radicals ( $\bullet OH$ ) that quickly oxidize cells on contact to deliver superior surface compatibility and disinfection efficacy.

**7.8%** HYDROGEN PEROXIDE

92.2% INACTIVE

#### 1. COLD PLASMA



BIT™ Solution is converted to iHP™ after passing through a cold plasma arc.



HYDROGEN PEROXIDE PARTICLES

#### 2. DISPERSION

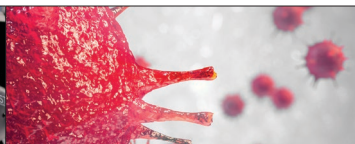


iHP™ mist is created, moving like a gas throughout treated areas for 360° coverage.



REACTIVE OXYGEN SPECIES (ROS)

#### 3. CONTACT

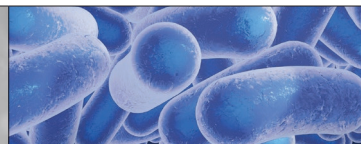


Microorganisms are killed on contact via oxidation of lipids, carbohydrates, & proteins.



DISINFECTING OXIDATIVE BURST

#### 4. DISRUPTION



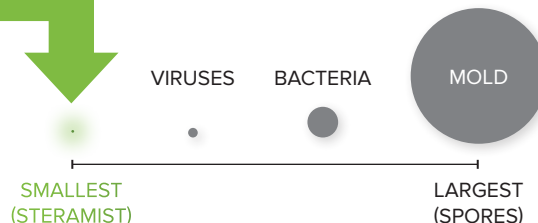
Area disinfection and decontamination occurs via cellular disruption.

A SIX-LOG KILL  
PACKED INTO

# SUBMICRONS

### POWERFUL MICROSCOPIC PARTICLES

iHP technology produces microscopic particles as small as **submicrons to 3 microns**, resulting in an ultra-lightweight mist with unmatched maneuverability to evenly and consistently treat hidden and impossible-to-reach areas.



SteraMist technology is EPA registered (#90150) & Authorized for Sale by Health Canada (DIN #02469448).





SURFACE.

WHOLE ROOM.

CUSTOM.

SERVICE.

YOUR FACILITY. **YOUR SOLUTION.**

**STERAMIST.COM** | 800.525.1698

