

JOHNSONS
CARE • INTEGRITY • RESPECT



Touchless Disinfection Solution



Johnsons provide a touch-less disinfection system that kills **99.99%** of harmful bacteria, viruses, fungi and mould.

This is delivered using an innovative, leading-edge hydrogen peroxide electrostatic spraying system, combined with a patented and approved disinfectant. Used as a supplement to traditional infection control measures, such as manual cleaning, our disinfectant is 100% environmentally friendly and poses no threat to humans, animals or plants. It is also non-corrosive and is safe & recommended for use on electronic devices and equipment.



How Does IT Work?

Our solution is sprayed towards surfaces and the charge makes the H₂O₂ stick to them. It disinfects every surface it comes into contact with. On average the disinfection process takes around 10 minutes in an average sized room using our machines.

The results we achieve are not comparable to a traditional deep clean solution that has success rate of between 45-55%.

Hydrogen Peroxide Treatment delivered by an electrostatic device are a well-documented and highly efficient, effective method of dealing with bacterial contamination and harmful organisms.

The Hydrogen Peroxide destroys the cell walls of over 99.99% of viruses and bacteria. This process alone would be effective, but the addition of silver ions (*silver has well known anti-bacterial properties*) turbo charges the process. Our product is 100% environmentally friendly, as the Hydrogen Peroxide (H₂O₂) breaks down into water and oxygen.

The process involves a heated turbine delivering hydrogen peroxide vapour in a dry form with a static charge which makes it ideal for use in enclosed or open spaces with the presence of electrical, electronic or medical devices. Hydrogen peroxide vapour is not harmful to humans, animals or plants.



Static Spraying



Surface Disinfectant

The Electrostatic Device we use is a spray disinfectant system featuring a patented sprayer nozzle that adds an electrostatic negative charge to the disinfecting solution as it is applied, so that it surrounds and clings to the surface it touches .

This again ensures the optimal distribution of disinfectant and can be used to specifically target areas where risks of cross contamination are highest.



The Static Sprayer is approved with a Declaration of Conformity according to ISO/IEC Guide 22 And EN 45014



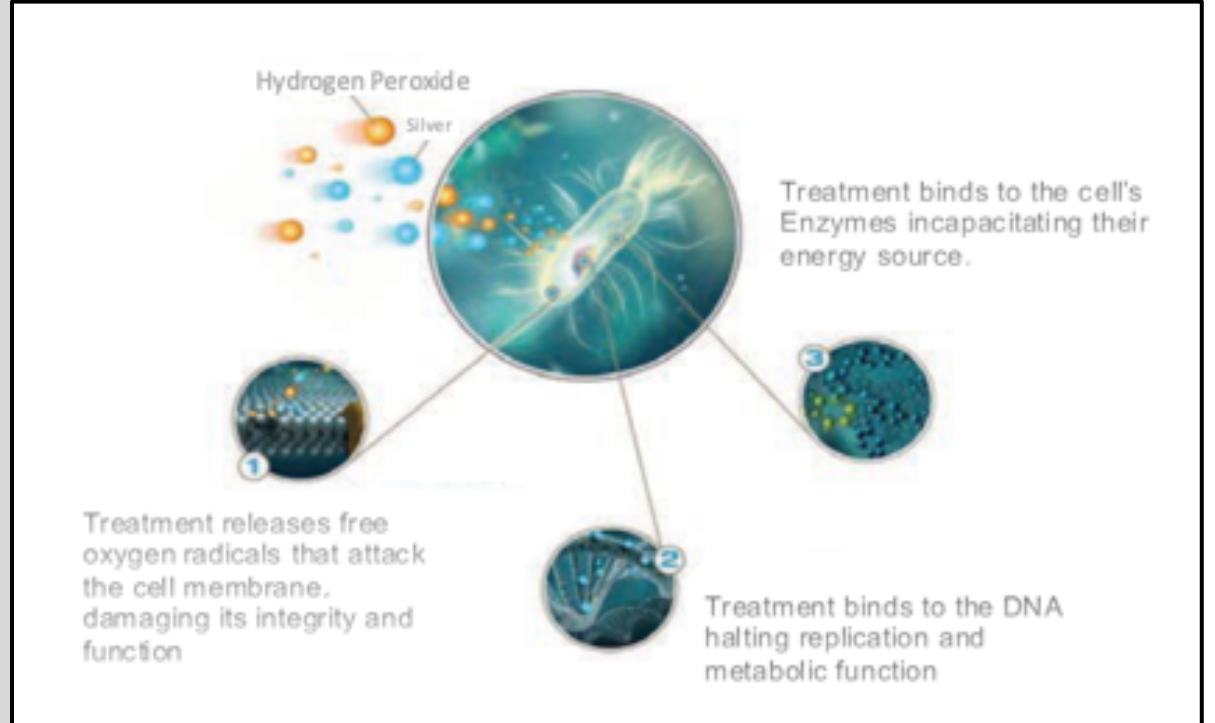
Shock Treatment Disinfection



The oxygen split off by the hydrogen peroxide attacks the cell walls of the microorganisms upon direct contact. The chemical reaction of the oxygen with molecules in the cell walls destroys them. This effect is boosted by silver ions that bind to the disulfide bonds of certain proteins, both of the reproduction complex, as well the metabolic system of the microorganisms and precipitate them.

To put it simply: the hydrogen peroxide affects the membrane of the microorganisms, allowing the silver inside. This combined "hammer and ambos" effect boosts and/or exponentiates the biocide effect of hydrogen peroxide and silver on a large scale.

While H_2O_2 breaks down into water and oxygen ($H_2O_2 = H_2O + O_2$) afterwards, minute traces of silver remain on the disinfected surface. These traces are invisible and non-toxic but actively and effectively counteract re-germination.



Who Uses the Solution?



Office and Lab Environments

Employees work in close-proximity with one another sharing space, equipment and tasks. This kind of interaction encourages person to person and surface contact to person transmission of bacteria and viruses. How many sick days can your business afford?

Laboratories
Laboratory Equipment
All Offices & Staff Rooms
Conference & Meeting Rooms
Call Centers
Lifts
Keyboards
PC Screens
Telephones



Home Environment / Apartment Buildings

Sharing a home or apartment building with other people and residents naturally leads to an increased multiplication of person to person and surface contact to person transmission of bacteria and viruses.

Houses
Annexes
Garages
Apartment Building Foyers
Apartment Building Stairways
Apartment Building Corridors



Transportation

The rapid and continuing growth in the transportation of goods and people offers an ideal environment for the quick circulation of infectious agents and cross contamination. This can range from a private taxi ride, to the daily train/tube commute, up to the largest cruise liners, transporting many thousands of staff and guests from port to port. Efficient disinfection of any and all modes of transport helps to significantly decrease these cross-contamination risks, helping to protect travelers, commuters and transportation staff alike.

Train / Tube Carriages
Public & Private Buses / Coaches
Taxis
Airplanes
Cruise Ships / Boats & Yachts /Ferries
HGVs
Ambulances
Prisoner Transportation Vehicles



Veterinarians

Can see many pets throughout their day potentially exposing them and their other 'patients' to many serious diseases. With different breeds and varieties of pets moving through the facility, the high- traffic areas like the reception area, the exam rooms and kennel areas are prime infection transfer locations.

Reception Desk and Waiting Room
Exam Rooms
Pet Grooming Areas
Restroom, Sinks and Toilets
Kennels



Who Uses the Solution?



Hospitals

Over 98,000 patients die each year from infections they acquire after being admitted to a hospital or other healthcare facility. Because of their size and complexity, hospitals are difficult to properly disinfect.

Typically, healthcare workers routinely work with multiple patients over a shift increasing the chances for spreading infections.

Patient Rooms & General Wards
Accident and Emergency Dept.
Reception & Waiting Rooms
Pre & Post Op
Operating Theatres
Equipment Storage Rooms



Schools and Universities

Placing many hundreds of people into close-proximity with each other, raising the risks of harmful infectious outbreaks. All Educational establishments require to be diligent in ensuring their facilities are kept as germ free as possible, especially the high-risk areas, where surfaces are touched by multiple people within short time periods.

Classrooms
Assembly Halls
Lecture Theatres
Sports and Recreational Facilities
Libraries
Canteens
Student Accommodation



Catering

Surfaces in contact with hands or food are major carriers of cross contamination and collect and disseminate all types of germs. The surfaces in contact with hands and food are: cutting boards, counters, refrigerators and kitchenware. In order to minimise infection risks, it is important to regularly disinfect anything in contact with food.

Restaurants
Food Production Facilities
Hotel



Doctors, Nurses and Physician Assistants

Not all of their patients show symptoms of an infection at the time of an office visit so it is critical that every step be taken to prevent the spread of infection, from hand washing to the routine cleaning and disinfecting of equipment, and reception and examination rooms.

Reception Desk
Waiting Rooms
Equipment
Restrooms
Office Staff Areas



Who Uses the Solution?



Assisted Care Facilities

Care Staff travel from room to room, interacting with residents and equipment, and residents typically gather together for social interaction and meals. Residents may often be susceptible to a suppressed immune system, meaning that thorough infection control procedures are critical in minimising the risk of an infectious outbreak, and to ensure the health and wellbeing of residents, staff and visitors alike.

Retirement Homes
Rehabilitation Facilities
All Communal Areas
Residents Rooms
Care Staff Stations
All Equipment
Office Staff Areas



Hotels

Hotels are always aiming to achieve 100% occupancy- therefore, the same room will be used by numerous and varied clients in a single year. Due to this diversity, hotel rooms contain an enormous amount of bacteria and germs. It should also be added that some rooms may keep a trace of some clients (*cigarettes, etc*). An efficient disinfection will first ensure that the new patron finds a healthy environment, and that at the same time unpleasant smells have been eliminated.

Hotels
Guest Houses
Holiday Lodges & Cottages
B & B
Hostels Serviced Apartments



Children's Day-Care Centers

There is a growing concern among picking him or her up at the end of a day with a cold, flu or worse, which then spreads throughout the other members of the household.

Playrooms
All Toys and Equipment
Eating & Sleeping Areas Staff
Rooms
Nurses Office
Toilet & Washing Areas



Gym & Fitness Centers Gym

Cleanliness is vital to your members. They expect clubs to be germ-free. Showers, Floors, Locker Rooms, Restrooms and Fitness Equipment are the most common areas for being exposed to an infection due to the high-traffic and usage of these areas. This is important because some cold and flu viruses can survive on surfaces for up to 72 hours .

All Workout Areas
Fitness Studios
All Equipment
Changing Rooms Saunas & Steam
Rooms



FAQs

Q. How much time is required to treat an area?

A. Typically our Spray solution can treat around 600cb.mt. to per hour depending on the level of equipment in a room or setting.

Q. Is the process wet or dry?

A. Hydrogen Peroxide Treatment delivered by an electrostatic device are a well-documented and highly efficient, effective method of dealing with bacterial contamination and harmful organisms. The process involves a heated turbine delivering hydrogen peroxide vapour in a dry form with a static charge which makes it ideal for use in enclosed or open spaces with the presence of electrical. Electronic or medical devices. Hydrogen peroxide vapour is not harmful to humans, animals or plants.

Q. Can the solution kill viruses like Covid-19?

A. Yes. Hydrogen Peroxide treatment is highly effective in treating an extensive list of gram positive and gram-negative bacteria including spore forming organisms, viruses, yeast, fungi and protozoa with a kill rate of 99.9% proven in 220 bacteriological, virological and toxicology tests.

Q. Will the solution remove dirt or stains?

A. Hydrogen Peroxide Electrostatic treatment kills bacteria, it does not remove dirt or stains and any room or space should be cleaned in the traditional sense before treatment is carried out.

Q. How long after a treatment, will I be able to return to the area?

A. The solution can take just 10 minutes to take effect, however we would normally ask you to wait up to 1 hour

Q. Will the treatment damage my electrical equipment?

A. No. Hydrogen Peroxide treatments can be used in any open or enclosed spaces and on any machine, electrical or electronic device including medical equipment. The process delivers Hydrogen Peroxide dry vapour which is electronically charged meaning is discharges and adheres to any surface it is directed to, this includes and underside of an item and areas not directly facing the vapour discharge due to the vapours desire to ground onto an area.

Q. How often should I request a treatment?

A. Hydrogen Peroxide Electrostatic Treatment can be carried out in response to specific infection or bacterial outbreaks but it should also be utilized regular as part of a pro-active cleaning protocol to control and treat levels of bacteria and germs.



Certified Process



Certification of Disinfection

Is certified as having been disinfected using SANOCHEM disinfection, applied via the unique SANOSTATIC Process

Date of Disinfection

Recommended Date for Next Treatment

Signature for Johnsons

