



Ozonetech
SteriMaid

SteriMaid – An Automated Sanitation Solution

For multi-compartment public or
industrial settings

ozonetech.

a MELLIFIQ brand

Introducing SteriMaid **An automated sanitation solution**

Large-scale indoor facilities housing or transiting huge crowds, such as shopping malls, airports, office buildings, and similar places, face a huge challenge today. The same goes for all industrial food and beverage production or storage facilities.

How can we prevent the rapid spread of viruses and bacteria in public spaces?

Treating large air volumes and disinfecting spacious areas with up to a square kilometer of surface, most of it not very accessible, is not an easy task. Managing the disinfection process efficiently and consistently in a sustainable way, both in terms of cost of operation and from an environmental point of view, is even more tricky.

The perfect solution

Well, we have the perfect solution: introducing Ozonetech SteriMaid™, the very first fully automated disinfection management and distribution system that meets the toughest efficiency and sustainability requirements of any standard. This is also the wisest capital investment, if you compare the total cost of ownership over the entire life cycle of the product with any other solution.



Automatic scheduled sanitation

Once SteriMaid™ is installed, programmed and turned on, it automatically disinfects the entire facilities conveniently on a scheduled basis without any further intervention needed. It requires minimum maintenance and the raw material; the ambient air, is totally free. This means no hassle of handling, or recurring costs, of hazardous chemicals. The disinfection can be scheduled to best suit the needs and requirements of each area, eg during off hours.

BENEFITS

- Absence of chemicals
- Without manual labor to handle chemicals
- The most effective sanitizing agent available, with up to 99.99% bacteria and virus removal
- Complete safety system adapted to night-time or off-hours sanitation cycles
- Up to 50,000 USD savings annually compared to manual sanitation costs

How does SteriMaid work?

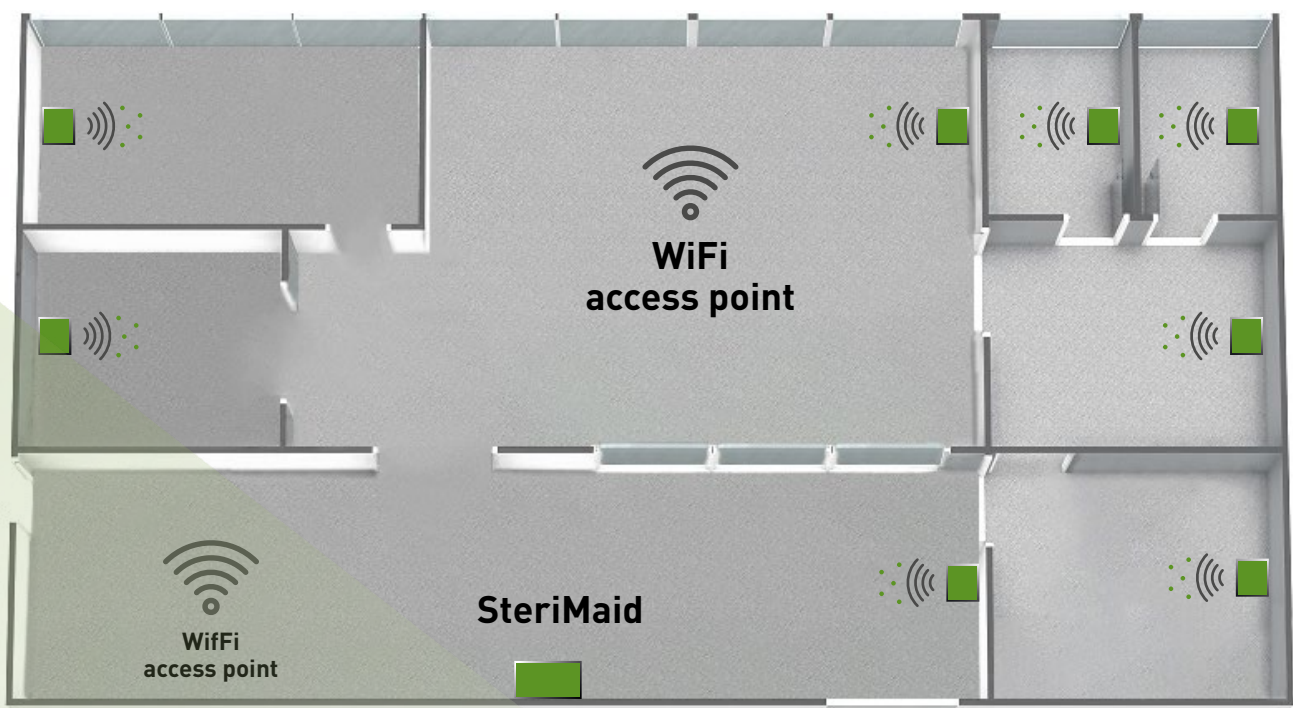
SteriMaid™ wireless sensors are installed in each area until the entire space is covered. Each wireless sensor keeps track of the level of ozone in the ambient air in each specific room and reports this information via existing WiFi network to the SteriMaid™ control unit, which can be installed in a separate maintenance area together with the ozone generator.

During sanitation, the SteriMaid™ control unit operates the system to distribute the right concentration of ozone to each space via pre-installed tubes and injectors. The operation of the SteriMaid™ control unit is highly customizable.

Various ozone concentrations and sanitation running time can be selected for each of the space from the user friendly user interface (HMI).

The control unit summarizes the progress of the sanitation, visualizing the ozone setpoint, actual concentration and remaining sanitation time. It also presents information on sensor status and required maintenance.

SteriMaid™ will indicate when the area's treatment session is completed, and when ozone levels have dropped back to safe levels.



Ozonetech SteriMaid

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Where to use it?



Indoor public spaces such as hospitals, shopping malls and airports



Production facilities: Food and drink -or pharmaceutical production



Healthcare facilities: Hospitals, veterinarian or dental clinics

Who benefits?



Property owners and maintenance managers



Industry facility managers



Everyone working and visiting these facilities



SteriMaid™ is the ideal sanitation solution for large indoor facilities such as hospitals, shopping malls and airports.



Sustainable treatment method

SteriMaid™ uses no chemicals and does not leave any hazardous residues. Instead SteriMaid™ uses ozone purification, which is an environmentally friendly and effective disinfection method.

Ozone is easily generated from oxygen from atmospheric, which eliminates refilling costs and thus it's easy to use from an equipment perspective. Ozone purification is one of the eco-friendliest and cleanest ways of deactivating viruses and eliminating a wider range of microorganisms than most other disinfectants. Ozone, which is already in gaseous form under normal ambient conditions, simply blends in with the air in the room, rapidly breaks down and inactivates harmful microorganisms, viruses and bacteria, even on surfaces that are normally hard-to-reach. No other treatment agent provides as potent disinfection and is as sustainable.

Additional benefits

In addition to disinfection, the treatment also helps remove various types of odor problems which otherwise create discomfort for everyone in the surrounding area. Efficient and continuous ozone treatment removes bad odors caused by mold, smoke, sweat, waste, food, toilets and similar.

Efficient air and surface disinfection



Virus disinfection & bacteria removal:
Preventing the spread of virus and bacteria



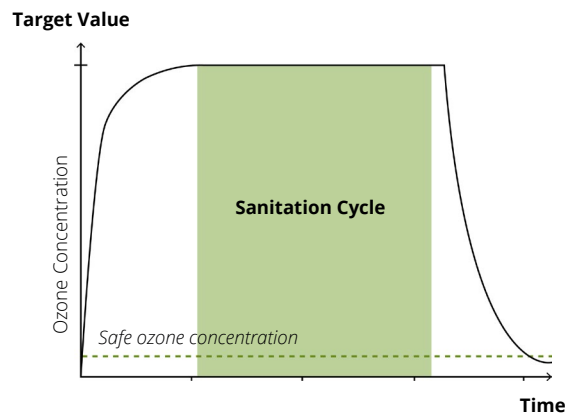
Production facilities: Food and drink -or pharmaceutical production



Healthcare facilities: Hospitals, veterinarian or dental clinics

More about ozone

How effective (degree of killing or deactivation) and how fast the disinfection is, depends on the dose applied. How much ozone is needed and how long the ozone system must run depends on the room volume and how sensitive the microorganisms are. The treatment time can vary from one hour to over 10 hours, and you can treat during off hours of the business.





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High quality components and intuitive touchpanel

The ozone concentration in the sanitized areas is monitored with SteriMaid™ wireless sensors and transmitted to the SteriMaid™ control unit via existing WiFi network. The control unit manages treatment and operational flexibility in each room.

Ozone

Produce

High performance ozone system with capacity to sanitize large scale industrial buildings, fast and efficient. Automation & control on HMI to easily configure a treatment cycle.



Ozone system based on Rena PRO.



Ozone sensor



Wifi module

Advanced yet user-friendly touchpanel

The operation of the SteriMaid™ is highly customizable. Various ozone concentrations and sanitation times are selectable from the HMI. The home screen summarizes the progress of the sanitation, visualizing ozone setpoint, actual concentration and remaining sanitation time.



Sensor

Monitor

Ozone sensors are placed throughout the facility or treatment object. Concentration is measured in actual time to ensure treatment effect.

Wifi

Control

WiFi modules equipped with sensors communicate with the Ozone system. Ozone production is manually or automatically regulated with PID controller to achieve a treatment cycle.

About Mellifiq

Mellifiq is a multi-awarded environmental service company group, that has since the early nineties evolved into a world leading system and solution provider with multiple groundbreaking applications for industrial, municipal, and real estate clients. We supply cutting-edge technologies to manage the most sophisticated air, water, and energy challenges.

Mellifiq offers a complete range of air and water treatment technologies and solutions across multiple industries such as processing industry, energy sector, food and beverage, pharmaceutical, wastewater treatment and commercial real estate.

Mellifiq offers strong and renowned brands, such as Ozonotech, Nodora Water Maid, Saniray, Axolot and world-class engineering services combined an excellent track record of more than 40 years of innovation. We help our clients achieve the most efficient and sustainable solutions while creating the maximum value for their businesses.

With several business units across Europe, Mellifiq is headquartered in Stockholm where research and development, production, QA and certification all take place. Our unique technology and our extensive expertise have made us the Center of Excellence for the world's most complex projects, and a global player with installations on all six continents.

Everyday millions of people rely on our solutions for ventilation, disinfection, sanitation, and odor control. We are committed to raising the bar for the concept of clean and the industry standard for engineering, technical services and general contracting.

For additional information, visit our website at www.mellifiq.com

