

A GREEN SOLUTION TO AN ONGOING PROBLEM



*Providing safe sustainable
sanitising solutions that
protect the health and
welfare of all people*



O3CLEANZONE



About us

The O3cleanzone sanitising cabinet was originally developed for the Childcare and Healthcare markets. Having witnessed first hand children being cross-contaminated at playschool with bacteria & viruses such as coughs, cold's, flu's, whooping cough and even conjunctivitis which led to prolonged absences from playschool, thus putting pressure on parents to take unpaid time off from work or forced holidays, which impacts heavily on their terms of employment - costing industries thousands of euro. Also, the cross-contamination affected the staff of the playschool's with high absenteeism through sickness, therefore costing the playschool's money. We even saw firsthand, reports of 2 children in Galway being hospitalised after an E. coli bug outbreak in 2019.

When we researched the marketplace, we realised that so many industries such as Private Hospitals, Hospitals, Health Service and Nursing homes were all affected by absenteeism through work related illnesses from poor hygiene. We found that 99.9% of industries carried out regular sanitising with hand gels and disinfectant surface sprays, but unfortunately these were only superficially holding back the bacteria & viruses.

We found that sanitising by tightly controlling ozone concentration was the best solution and was offered by no one. Based upon this research we designed a cabinet in which every industry could now sanitise items with upto 100% effectiveness in most cases based upon the best-known sanitizing practices in those industries and so O3cleanzone was born.

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Ozone

Ozone is nature's way of disinfecting and sanitising, as recognised by the EPA.

This allows you to maintain the highest standards of hygiene across all of your technology equipment ensuring the wellbeing of all your staff.



Introduction to Ozone

One of nature's most powerful oxidizers (second only to elemental fluorine), ozone has been used as a powerful organic sanitiser since the early 1900s. Ozone (O₃) is recognized as an efficient sanitising agent by the Centres for Disease Control and Prevention and the World Health Organization.

Our system is unique in that it addresses the sanitation of toys and playthings that cannot be effectively washed. Bacteria, viruses and molds can hide in crevices of that equipment. Ozone, a gas that naturally occurs in nature, seeks out these potential pathogens, in those hard to reach crevices, and eliminates them naturally. This natural elimination is environmentally friendly.

Ozone effectiveness, like all disinfectants, works on time and concentration. The sanitation system works with high levels of ozone, with a short cycle time, in a controlled chamber. Ozone leaves no residue on the equipment that can cause skin irritation. Ozone is one of the strongest oxidants and disinfectants ranking ahead of hydrogen peroxide, bleach and iodine.

Our system uses a minute amount of air in your room, converts it to ozone inside our sealed chamber and at the end of the cycle converts it back to room air. Our safety system does not allow our unit to open until the ozone level is below OSHA guidelines. As there are no consumables that are required for the operation of our unit, it is very cost effective to operate and part of our **green technology initiative**.



O₃CLEANZONE

Benefits of Ozone for Cleaning

- Eliminate Odors – Ozone destroys odor-causing bacteria and spore molecules. As a gas, ozone can react with odors on surfaces and in the air, penetrating materials – such as uniforms or protective gear. Depending on the need, ozone treatments can be done for a lengthier amount of time or at a higher concentration.
- Kill Several Types of Viruses and Bacteria – Again, ozone has the power to destroy molecules, making it possible to reduce the risk of contagious diseases, including: MRSA, Staph and more.
- No need to immerse equipment or gear in water or chemicals as ozone is a gas, cleaning select gear and equipment does not require immersion in water, since ozone permeates most materials.
- Safe, Environmentally Friendly and "Green" Cleaning Method – Ozone is a naturally-occurring gas. It is a safer, more thorough option than bleach or other harsh chemicals.

Why Ozone?

- Ozone is a gas made of just one thing: **oxygen**
- Unlike harsh liquid sanitisers, ozone gas penetrates padding and fabric where spray sanitisers cannot go
- Unlike other sanitisers, such as chlorine bleach, ozone gas does not damage or impact the integrity of the fabric or padding
- Ozone gas can sanitise fabrics and items that are non-washable
- Ozone eliminates the use of hot water
- Ozone is very inexpensive to produce
- Ozone substantially reduces offensive odours, which are likely the result of decomposition of the bacteria and viruses
- Ozone will not damage, discolour, or decrease the life of paper, wood, metal or glass items and most plastics



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Dimensions
800mm x 1730mm x 650mm