

OZONE INJECTION STERILIZATION PLANT



COVID-19



Our company **Dellepere Enterprises Corp.,**

For more than 15 years, it has specialized in the treatment of polluted waters through the injection of Ozone as the largest disinfection agent that exists in nature. However, given the current situation with COVID-19 that affects all of humanity, we have decided to use our advanced oxidation technology to sterilize items that require reuse.

This powerful machine, with a capacity of 1.7 m³, injects Ozone up to concentrations of 25 ppm during a period of time that does not exceed 40 minutes to eliminate 99.9% of any pathogenic agent, be it viruses or bacteria.



made from
stainless
steel



The interior of ESTERILO3 is made of stainless steel resistant to the strong oxidation of Ozone, inside, and in order to give the greatest structural resistance, "L" profiles are also made of stainless steel. The exterior of ESTERILO3 is presented with a fine wood finish simulating a bedroom wardrobe. The machine has 4 resistant wheels for easy transport.

ESTERILO3 combines the internal pressure, the relative humidity and the ozone dosage in order to arrive at the total sterilization of the elements that require disinfection. For this reason, it has a manometer, a relative humidity meter, an electronic ozone measurement panel and two on and off lights for full control of the equipment by the operator.

According to studies published in specialized journals of advanced oxidation, it is necessary to reach concentrations of between 20 to 25 ppm with an exposure of between 30 and 40 minutes to obtain a 99.9% elimination under watertight conditions. It is for this reason that ESTERILO3 has a clinical laboratory-type security door that ensures sealing so that there are no gas leaks during the disinfection operation.

Once the sterilization process is finished, the surplus gases inside STERILE 3 are expelled into the atmosphere after passing through a catalyst that guarantees that the gases are not dangerous for the machine operators. In particular, the excess ozone is



1.5 M³
OF SPACE

conditioning with
shelves and space
to hang items



transformed into oxygen prior to its expulsion into the atmosphere. This operation has an estimated time of 5 minutes and must be done prior to opening the door and using the equipment again.

The operator will be able to control the pressure inside the equipment, the relative humidity and the dosage of ozone inside, since clock-type meters and a digital display have been installed in front of the ESTERILO3 for this purpose.

The powerful ESTERILO3 is easy to move since it has 4 wheels that allow it to move quickly and safely to be used in different places of an installation.

The advanced disinfection technology used consists in the creation of ozone through the direct feeding of oxygen created by other equipment that feeds the ozone generator and injects it in a pulverized form with water, which makes it extremely efficient in the elimination of germs and viruses. .

Inside the ESTERILO3 the pressure rises so that the ozone penetrates in all the places of the different elements to be disinfected and achieve maximum efficiency in the process. This pressure is controlled automatically by the pressure gauges that the equipment has.



HOTEL MATERIAL

HOSPITAL SUPPLIES

SALONS/BARBERSHOPS

The uses are multiple and depends on what objects need to be sterilized. In particular, the following uses could be considered:

1. Varied hospital material, from equipment, surgical material, sheets, towels, protective clothing, masks, glasses, shoes, etc.
2. Hotel supplies: sheets, towels, employee clothing, glass elements, plastics, etc.
3. Restaurant Material: Glasses, cutlery, table linen, dishes, kitchen equipment, etc.
4. Dental Material: Equipment for use in dental operations, protective equipment, etc.
5. Large clothing stores: In clothing fitting rooms, at the end of a day it can be disinfected.
6. hairdressers: all equipment used in haircuts, aprons.

Inside the ESTERILO3 there are several configurations of shelves in order to place the items that you want to sterilize. Horizontal shelves, tubes for hanging clothes and hooks on the equipment walls, all in stainless steel.

The equipment is delivered with the corresponding operations manual in English or Spanish depending on the language of the Country that purchases it.

With the invention of ESTERILO3 we are committed to collaborating with humanity in these difficult and dangerous times that we are going through. Disinfection and sterilization today are considered of extreme importance for the Public Health of all.

Designed and Manufactured by:



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