



**CANADA**

**LOTUS STERILIZATION SYSTEMS**

### How many germs are on your hands?

Germs can survive for up to three hours on your hands. There are between 2 to 10 million bacteria on your fingertips and elbows. The number of germs on your fingertips doubles after you use the toilet.

### Germs in Day cares and Kindergarten

Whether children play in the bedroom or in a separate playroom, they may not be the only ones playing hide and seek there. These areas may be inundated with uninvited guests. The germs that can cause colds and flus can, and do, take up residence on favorite toys, whether a set of Legos or a Dora the Explorer doll.

Children are two to three times more likely than adults to get sick with the flu. And experts tell that they often spread the virus to others by sharing toys.

"Their airways are narrow, so every germ gets stuck and they have not yet developed immunity to many viruses," says Neil Schachter, MD, medical director of respiratory care at Mount Sinai in New York City, and the author of *The Good Doctor's Guide to Colds and Flu*.

While there's no protection against germs at school or the workplace, there are ways to reduce the risks.

### WHY KIDS TOP THE LIST FOR SPREADING GERMS?

Children are at the top of the list when it comes to daily social contacts, making them most at risk for catching—and spreading—infections.

For example, children have an average of more than 47 contact hours, a health sector worker has on average just less than 33 contact hours a day, a teacher has 32 contact hours, and retired people have slightly more than 19 contact hours.





#### **HOW DOES THE STERILIZATION PROCEED?**

Toys are placed, the door is closed and the process is starting by just one push of a button.

#### **HOW LONG IS THE STERILIZATION PROCESS?**

80 min (60 min. Sterilization, 20 min. Gas evacuation time).

#### **IS IT POSSIBLE TO STERILIZE ANY TYPE OF TOYS (WOODEN, PLASTIC etc.) AND FABRICS WITH LOTUSCARE?**

Yes. Even books can be sterilized

#### **HOW MANY TOYS ARE FITTING AT ONCE?**

50 toys. More toys can be loaded, without exceeding 20 kg.

#### **FOR HOW LONG DOES THE DEVICE LASTS?**

Appr. 8000 hours. The ozone unit is then replaced by a qualified technical service in a simple operation.

#### **WHAT IS THE STERILIZATION PERCENTAGE?**

%99.9.

#### **DO WE NEED TO WASH OUR HANDS AFTER TAKING OUT THE ITEMS FROM LOTUS?**

Not necessary.

## **LOTUS provides sterilization up to 99.9% with ozone technology**



Model: Lotus D-Care Glass Door  
Dimensions: 820 x 540 x 510 mm  
Material: Glass Door  
Color: Black / Silver /Customized  
Power: 220-240V / 50-60 Hz / 300W  
Capacity: 225 Liters  
Interior Specification: 2 Levels  
Ozone Amount: 200 mg/h  
Net Weight: 49 kg

## WHAT IS STERILIZATION?

Sterilization is the name given to cleaning work of all forms of microorganism aging. Sterilization processes can be performed with different technologies. These technologies include chemical processes, heating, freezing, radiation, high pressure, filtration, UV radiation, ozone cleaning.

## WHY IS STERILIZATION REQUIRED?

Human health is the leading cause. In addition to preventing infectious diseases, it provides a longer service life of materials.

## WHERE CAN BE THE STERILIZATION DEVICE USED?

**Sterilization is very important in environments that are heavily exposed to dirt, dust and daily high trafficking public places as schools, daycares, kindergarten similar circulations, like Libraries, hospitals, schools, post offices, archives, information centers, notaries, social security centers and various public institutions.**

## WHAT KIND OF MICROBES CAN BE STERILIZED?

Mold, fungi and spores, avian influenza virus, swine flu virus, typhoid bacillus, coli bacillus, hepatitis, dysentery bacillus, tuberculosis bacillus, infection viruses such as subtilis bacilli, diphtheria, hairworms, ecology, bookworms, salmonella, legionella and similar bacteria.

## HOW DOES STERILIZATION PROCESS WORKS?

The toys are placed on the shelves or directly inside LOTUSCARE and sterilized by just a one push of a button.

## WHAT IS THE STERILIZATION PERCENTAGE?

%99.9 proven by independent institutions



## WHAT IS OZONE?

Ozone is the most powerful oxidative agent that occurs naturally. With its extra free radical oxygen molecule, ozone is able to destroy germs, viruses, and microbes that may cause surface or air contaminations.

## WHAT IS THE DIFFERENCE BETWEEN DISINFECTION AND STERILIZATION?

Disinfection and sterilization are both decontamination processes. While disinfection is the process of eliminating or reducing harmful microorganisms from inanimate objects and surfaces, sterilization is the process of killing all microorganisms.

## WHAT IS THE DIFFERENCE BETWEEN OZONE AND UV?

**UV will disinfect by killing bacteria and viruses and other living microorganisms (if properly sized with sufficient contact time). Ozone, on the other hand, can be used at different stages of the process (pre-ozonation or post-ozonation) because, in addition to having a bactericidal power greater than chlorine, it can address other organic parameters, eliminate odours, and break down many organic molecules.**

**UV is less effective on viruses than Ozone.**

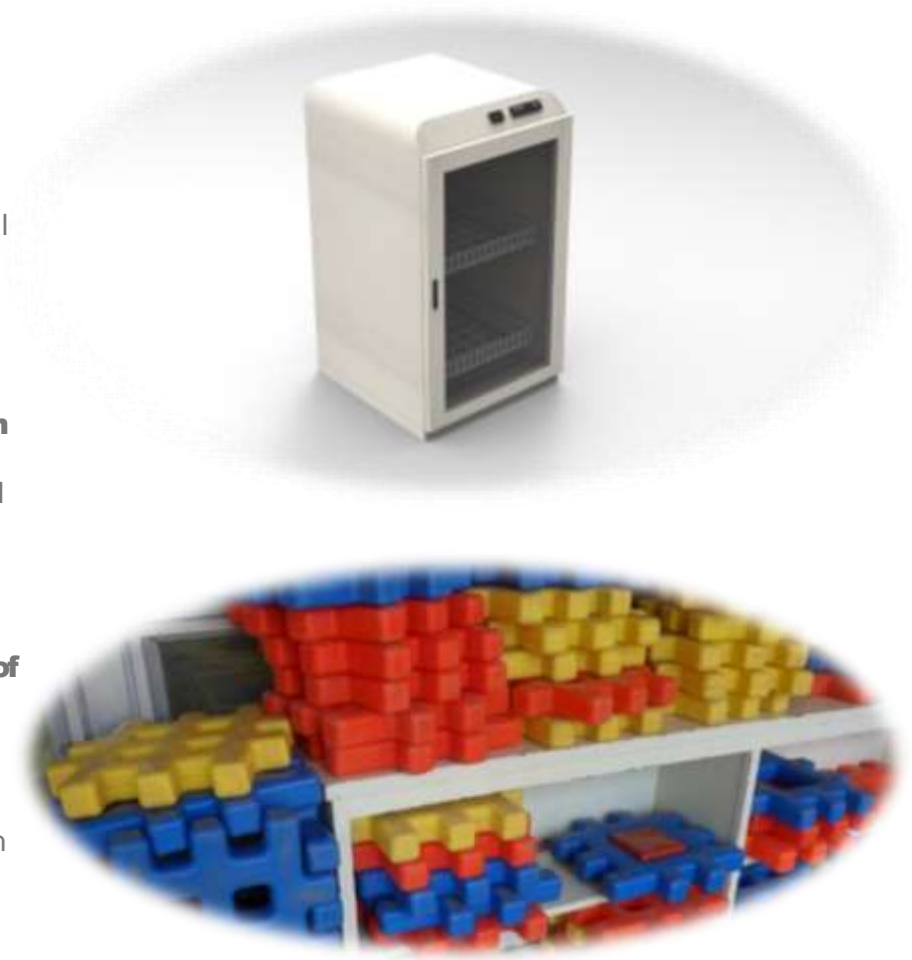
**UV works on surfaces where the light is reachable. Ozone gas spreads out in the air locked inside the device. Which allows to reach every part of the items.**

**Ozone is indeed a much more powerful oxidizer than UV.**

## WHY SHOULD I USE LOTUS STERILIZER?

By sterilizing the toys you are extending the lifetime of your toys which saves you money. Also the device doesn't need any employee to wait which again gives your employees the opportunity to finish other tasks.

Ozone is generally used in medical field which is a proof that it is harmless to health and actually the most accurate process of killing germs.



### **HOW DOES LOTUSCARE WORK?**

The toys are placed on the shelf and sterilized by just one push of a button.

### **HOW MANY TOYS ARE STERILIZED AT THE SAME TIME?**

**LOTUSCARE** can sterilize up to 50 toys in one process.

### **HOW LONG IS THE STERILIZATION PROCESS?**

**80 min (60 min. Sterilization, 20 min. Gas evacuation time).**

### **WHERE ARE STERILIZATION DEVICES WIDELY USED?**

Sterilization devices can be used in libraries, hospitals, schools, daycares, kindergarten, post offices, archives, information centers, notaries, social security centers and various public institutions where there is a lot of circulation.

### **WHAT IS THE LIFE OF THE LOTUSCARE DEVICE?**

**The life of the ozone device is more than 8000 hours.**

### **CAN TOYS AND BOOKS BE STERILIZED IN LOTUSCARE?**

**Yes**

Frequently Asked Questions



### **How many shelves do the devices contain?**

Ozone device has 2 shelves. One shelf is portable. Each shelf can hold up to 25 items.

### **WHAT KIND OF GERMS CAN BE STERILIZE?**

Mold, fungi, spores, avian influenza and swine influenza virus are commonly transmitted viruses, infected viruses such as typhoid bacillus, subtilis bacillus, bacteria such as diphtheria, hairworms, ecoli, bookworms, salmonella, legionella.

### **WHAT IS THE STERILIZATION PERCENTAGE?**

%99.9 proven by independent institutions

### **DOES THE DEVICE GIVE AN AUDIBLE WARNING WHEN THE STERILIZATION PROCESS IS FINISHED?**

Once the process is finished you will hear 3 beep sounds.

### **DOES THE DEVICE GIVE VISUAL WARNING WHEN STERILIZATION PROCESS IS COMPLETED?**

When the process is finished, it provides alarm with LED light.

### **ARE THERE OTHER CONTROLS IN THE DEVICES?**

Opening and closing process, waiting or starting, indicating the processing time  
>The light on the panel lights up when the mark of interest and the machine is plugged in and started.

Frequently  
Asked Questions





Frequently Asked Questions

**HEPA FILTER IS INSTALLED IN NON-OZONE TECHNOLOGY DEVICES AND CHANGE IS REQUIRED. DOES LOTUSCARE REQUIRES A FILTER CHANGE?**

LOTUSCARE does not require a hepa filter. All operations of Hepa filter are performed by Ozone. It is environmentally friendly.

**DO WE NEED TO WASH OUR HANDS AFTER TAKING OUT THE TOYS FROM LOTUSCARE?**

**Not necessary.**

**DO LOTUSCARE RELEASE CARBON OR OZONE?**

The device, which works with ozone technology, does not release gas to the outside.

**WHAT ARE THE COLOR OPTIONS?**

LOTUSCARE is available in black or silver.

**CAN SPECIAL OR CUSTOM DESIGNS BE MADE?**

**Yes.**





# REFERENCES

## •References overview

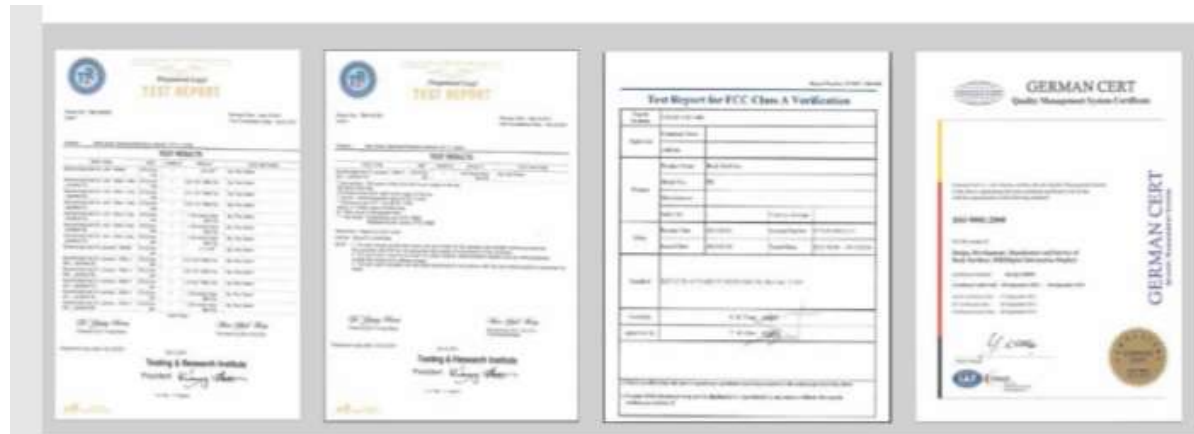
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