

Disinfection Cabinet

Effective Way to Disinfect

OZONE POWERED DISINFECTION CABINET

High Disinfection Capacity.

Easy and Fast Installation.

Modular Design.

**On-site Ozone generation with
advanced technology.**

User Friendly;

No need for an operator.

No need for any chemicals.

Low energy consumption.



FM-5831

Advantages of Ozone Sanitation?

- **Most Effective Antimicrobial Agent**

Unlike a lot of other disinfection sterilization technologies, in the act of literally taking a cell membrane apart, in destroying the cell, it converts itself back to oxygen which is a very benign waste product.

- **Suitable For Everyday Clothing**

No liquid chemicals is sprayed during disinfection. Ozone does not affect your everyday clothing.

- **No Extra Cost for Chemicals**

Ozone is generated onsite by electricity, and thus, there are fewer safety problems associated with shipping and handling.

- **No Need for Operator**

Our product is fully automated.

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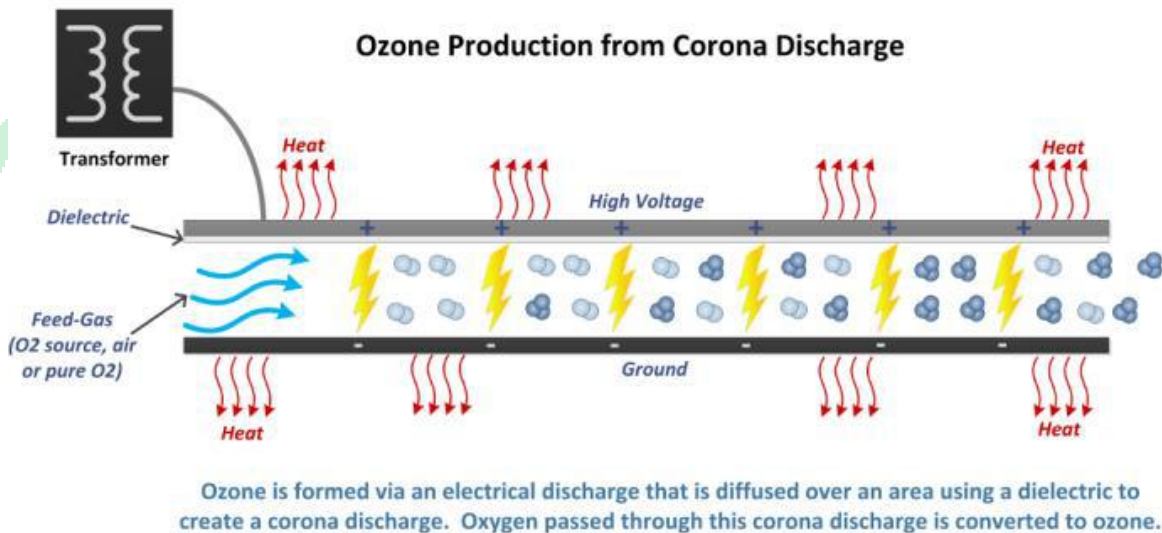
Ozone, or trioxygen, is an inorganic molecule with the chemical formula O₃. It is a pale blue gas with a distinctively pungent smell.

Ozone is produced on-site from the oxygen in ambient air, an abundant free-of-cost raw material. Nothing to purchase, transport and store. No handling and refills needed. No waste. No residues.

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How Is It Produced?

Ozone is formed by applying electrical energy to the oxygen molecule, which splits some portion of those oxygen molecules in half, into singlets of O. Those single O atoms attach to O₂ for a very short time period, becoming O₃, which has a half-life in its natural state of about 22 minutes before, on its own, it converts back to oxygen by releasing its singlet of O. During that active phase as ozone, it reacts to any organic compound by oxidizing double carbon bonds.



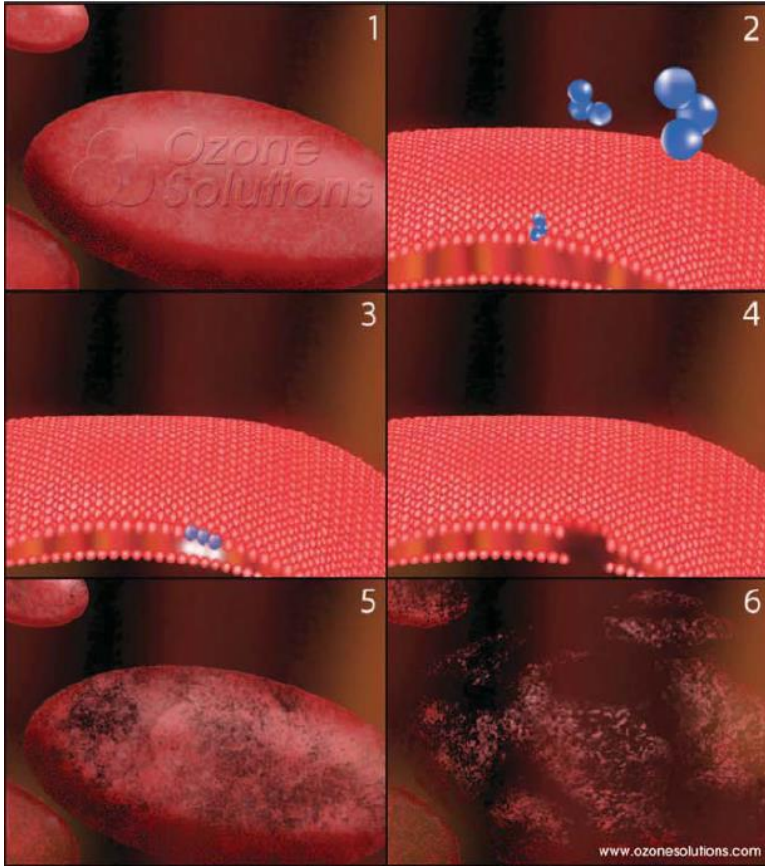
DISINFECT **R**₃

Did You Know?

In one single lightning 136 kg of ozone is produced.

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1. Healty Bacillus bacteria.
2. Ozone approaches to bacteria's cell Wall which is vitally important for bacteria.
3. When ozone molecule ineracts with cell wall, it makes an oxidative explosion.
4. Ozone molecule takes away molecules of cell wall.
5. Cell wall gets more damages while ozone molecules making oxidative explosions with cell wall.
6. Finally, bacteria can not withstand to ozone attacks and dissolves to CO₂ and H₂O.

This process only takes 10 seconds .



This process is much faster in killing viruses. Virus have less layers to penetrate so ozone treatment is more effective on virus.



Good To Know:

Some viruses are more susceptible to ozone's action than others. It has been found that lipid-enveloped viruses are the most sensitive, such as **COVID-19**.



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Ozone disinfectant is effective on all kinds of pathogens.

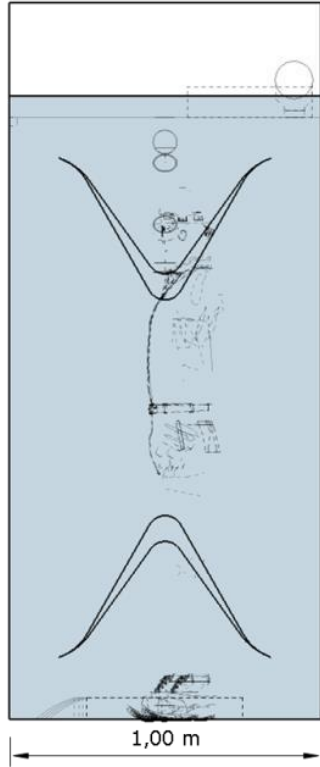
Virus	Mold	Bacteria
Bacteriophage f2	Aspergillus Niger	Bacillus Bacteria
Coxsackie Virus A9	B. cereus (spores)	Bacillus Anthracis*1
Coxsackie Virus B5	Botrytis cinerea	Bacillus cereus
Encephalomyocarditis Virus	Clavibacter michiganense	Bacillus subtilis
Enterovirus Virus	Cladosporium	Candida Bacteria
Iycopersici	Clostridium Botulinum Spores*2	Clostridium Bacteria
Melonogea	Luminescent Basidiomycetes	Diphtheria Pathogen
GDVII Virus	Vicia Faba progeny	Eberth Bacillus
Hepatitis A virus		Endamoebic Cysts Bacteria
Influenza Virus		Klebs-Loffler Bacillus
Poliovirus type 1		Legionella pneumophila
Rhabdovirus virus		Penicillium Bacteria
Stomatitis Virus		Proteus Bacteria
Vesicular Virus		Pseudomonas Bacteria
Sars Coronavirus		Salmonella Bacteria
Poliomyelitis Virus		Schistosoma Bacteria
		Streptococcus Bacteria
		Virbrio Cholera Bacteria
		Salmonella typhimurium
		Mycobacterium avium
		Mycobacterium foruitum
		Staphylococci

“Ozone should be adopted as a weapon in the global fight against COVID-19.” - ///Zhou Muzhi, Professor, Tokyo Keizai University Head, Cloud River Urban Research Institute///

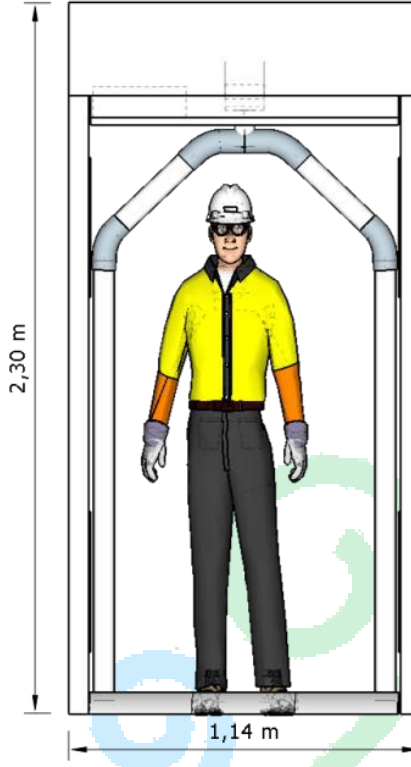
“No ozone-resistant viruses have been found.” - ///James B. Hudson, Manju Sharma & Selvarani Vimalanathan Development of a Practical Method for Using Ozone Gas as a Virus Decontaminating Agent, Ozone: Science & Engineering///

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RIGHT VIEW



FRONT VIEW



PERSPECTIVE

Technical Details

MODEL #	SIZE	WEIGHT (kg)	OZONE GENERATOR CAPACITY (gr/hr)	INSTALLED POWER (Watt)
FM-5831	1140x1000x2300mm	120kg	20gr/HR	440 W

- FRP Cabinet Modules
- Plastic Body Axial Fan
- Auto Start/Stop
- Two Way Entrance
- High Capacity Ozone Generator
- Fast Disinfection in seconds



- Illuminated Cabinet
- 360° of Disinfection
- Modular Design
- Self Disinfecting
- Electrical components have CE sign
- 2 Years of Guarantee