AIR **STERILIZER**
WITH PCO TECHNOLOGY

Employing **Photo Catalytic Oxidization (PCO)** or **Radiant Catalytic Ionization (RCI)** originally developed by **NASA** (National Aeronautical and Space Administration), USA, in the space programme in the 1990s

RP3302

The RP3302 uses multiple technologies to significantly reduce odours, bacteria, viruses, fungi, mould and various other contaminants on surfaces and in the air. This unit is compact and unobtrusive and is perfect for residential and commercial premises.

FEATURES:

- Self contained, portable whole house /office unit
- Multi technologies system
- Lightweight and aesthetically pleasing
- No installation required
- Plug and Play
- Adjustable fan and purification function

SPECIFICATIONS:

Dimension	:	H: 31cm x W: 23cm x D: 31cm
Weight	:	7 Kg
Electrical	:	230Vac 50/60 Hz 50 Watts
Mechanical	:	5 fan speed control
Placement	:	Tabletop /shelves/ counter/etc
Wall Mounting	:	with Optional Metal Bracket
Area Coverage	:	from 250 Sq Ft to 3,000 Sq Ft

BENEFITS:

- Destroy fungi, mould, odour causing bacteria, Viruses including H1N1, SARS-COV-2(COVID-19) Virus and various corona viruses.
- Radical Hydroxyls and ions get into hard to reach areas to do its job, creating a healthier living space
- Up to 99% efficient in removing microbes
- Removes dust and dirt from the air
- Freshens the air and reduces odours
- The Away mode increases the maximum output of activated oxygen for greater effectiveness in unoccupied areas

APPLICATIONS:

- Living rooms and senior residence
- Office and co-working spaces
- Clinics and medical facilities
- Schools and Other Academic Institutions
- Shops & Commercial Establishments
- Wellness areas and gyms
- Bars and clubs
- Hotel, restaurants & cafes
- Lounges and banquet halls
- Warehouse and cold storages
- and many more

MULTIPLE TECHNOLOGIES

UV Light | Controlled Ozone | Positive and negative ions | Photo Catalytic Oxidation

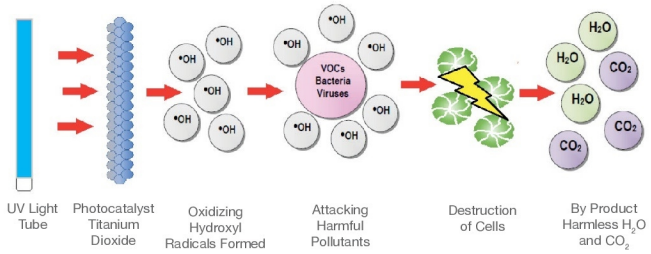
Eliminates up to **99.99%** of Bacteria & Viruses Including SARS-CoV-2 (COVID-19) Viruses

THE TECHNOLOGIES ...

PHOTO CATALYTIC OXIDATION (PCO)

Numerous case studies have shown that PCO technology dramatically reduces concentrations of airborne aerosol contaminants, neutralizing viruses and bacteria, and wiping out infectious germs and viruses including the likes of methicillin resistant staphylococcus aureus (MRSA) by up to 99%.

PCO converts moisture in the air and breaks them up into hydroxyl radicals which are highly reactive. These hydroxyl radicals gets pushed into the environment where they attack bigger organic pollutant molecules like fungi, mould, odour causing bacteria and viruses, even the ones in hard to reach places, breaking apart their chemical bonds and turning them into harmless substances such as carbon dioxide and water.

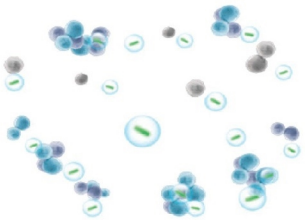


NEEDLE POINT IONISATION.

The ions produce a chemical reaction on the cell membrane surface that inactivates the virus. It can reduce up to 95% of microbes in minutes. It is an Active Process that provides continuous disinfection.

The ions also attach to expelled droplets and dust particles enlarging them and making them fall to the floor and out of breathing area.

Ionization has already been proven as effective against various influenza strains as well as Norovirus, SARs and other corona virus like H1N1.



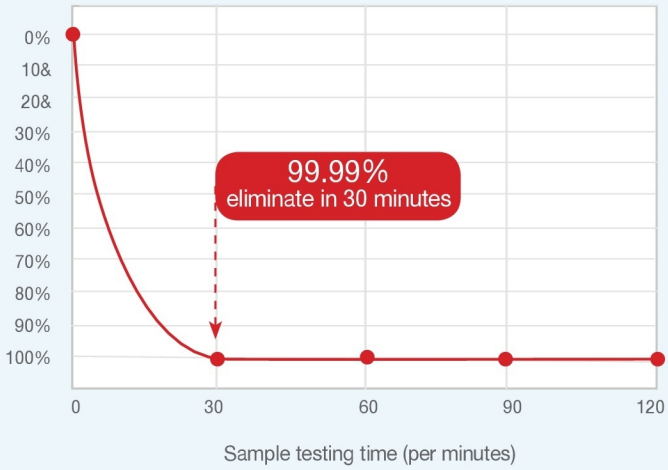
Negative Ions attaches to airborne and surface microbes, destroying them in the process

CORONA DISCHARGE ACTIVATED OXYGEN AIR FRESHENER

The high voltage corona discharge plates provide an option for owners to set the unit to deep clean mode, to get rid of particularly bad odour. This technology is usually set as an “away mode” when no one is at home and the unit is allowed to do its work.

Eliminates surface bound S.ALbus, Staphpylococcus, E.Coli and H1N1 with efficiency rates up to 99.99% within 30 minutes.

The Aggressive deployment of these multiple technologies can drastically reduce the levels of bacteria, viruses and other hazardous substances in the air and on surfaces including H1N1 virus, Kiebsiella Pneumonia, Escherichia coli, Staphylococus albus, staphyloccus aures, coronaviruses etc.



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