THE POWER OF
IONS
CLEANS AIR NATURALLY
RydAiR
FOR
HEALTHCARE

INDOOR AIR

We inhale around

12000 Liters

of air in a day

The air we breathe indoors is

Upto 5X

more polluted than outdoor air

We spend almost

80-90%

of our time indoors

AQI LEVELS

INDOOR AIR POLLUTION

People don’t realize that the cause of constant headaches, cough & cold, and other nagging symptoms often arise from indoor air pollution. The air that you breathe in your home or office is equally hazardous as the polluted air outside.

Airverclean brings you air ionizers and air sterilizers with cutting-edge technology that curtails the perilous impact of indoor air pollution in your indoor living spaces by improving AQI levels, simultaneously eliminating upto 99.99% of pathogens including the COVID-19 virus.

TOBACCO SMOKING

TOXIC MOLD

PARTICULATES MATTERS

POOR VENTILATION

INTRODUCING - ACTIVE SOLUTIONS FOR INDOOR AIR

Technology# 1

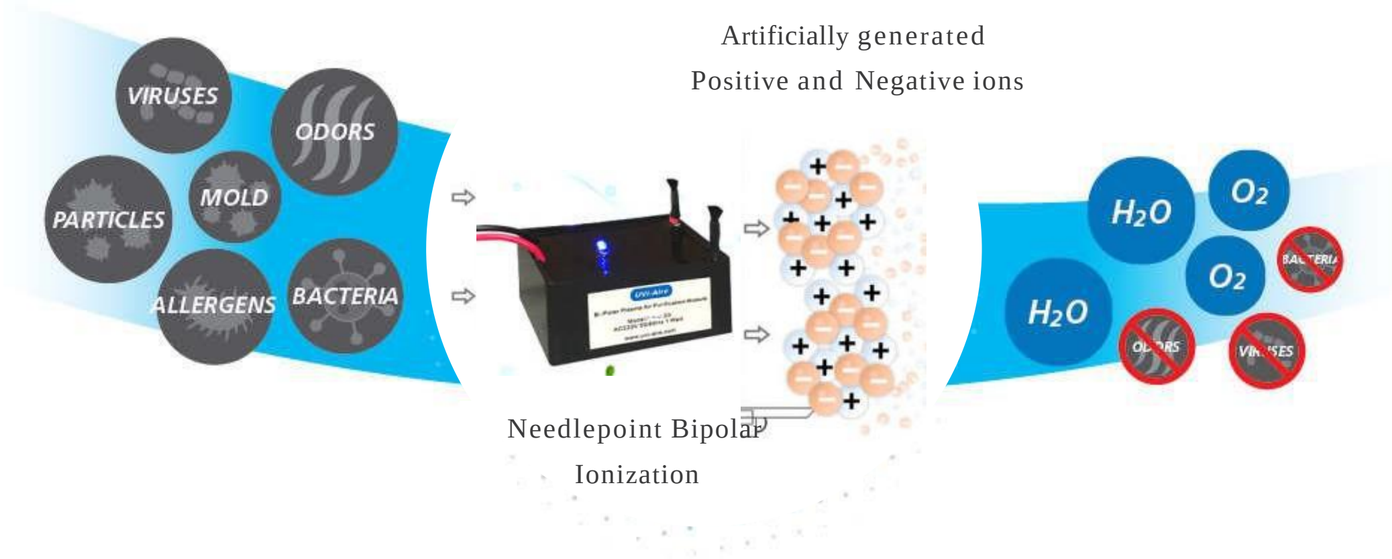
NEEDLEPOINT BIPOLAR IONIZATION (NPBI)

Technology# 2

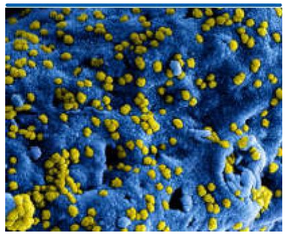
PHOTOCATALYTIC OXIDATION (PCO)

NEEDLEPOINT BIPOLAR IONIZATION (NPBI)

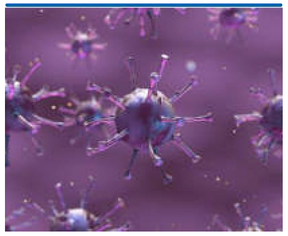
NPBI technology produces millions of positive and negative oxygen ions. The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition. When these ions disperse throughout a space, they seek out and form bonds with particles in the air through a process called agglomeration. This creates a snowball effect in which particles begin to cluster together. The larger a cluster of particles becomes, the easier it is for your system to safely filter it out of the air. The ions produce a chemical reaction on the cell membrane surface that inactivates the virus. It is an active process that provides continuous disinfection. Bipolar ionization has already been proven as effective against various influenza strains as well as norovirus, SARs, and other coronaviruses like H1N1.



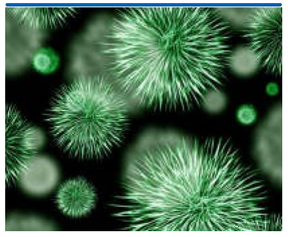
01 SANITIZE



02 STERILIZE



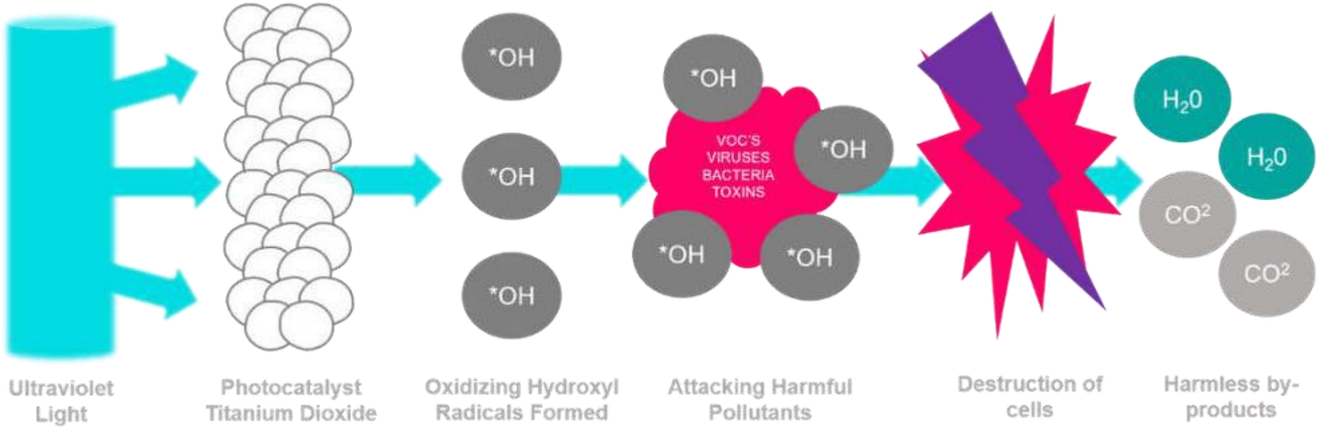
03 IONIZE



04 PURIFY

PHOTOCATALYTIC OXIDATION (PCO)

Photo Catalytic Oxidation (PCO) was originally developed in the 1990s by scientists at the National Aeronautic and Space Adminitration (NASA) to treat air in an enclosed environment in the spacecrafts. It converts moisture in the air and breaks them up into hydroxyl radicals which are highly reactive. These hydroxyl radicals are small and agile and get pushed into the environment where they attack bigger organic pollutant molecules like fungi, mold, odour causing bacteria, viruses and various VOCs (Volatile Organic Compounds) including ethylene and formaldehyde, 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. It is proven to reduce up to 99.99% of surface micro-organisms and dramatically reduce airborne contaminants and allergens in the air.



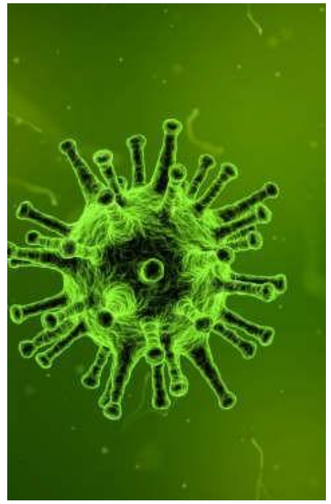
NASA

SPACE TECHNOLOGY

Certified Space Technology by NASA,USA

TREATS AND ELIMINATES

Our aggressive air sanitization technology can reduce the quantity of viruses including SARS COV 2 i.e. COVID 19 virus, bacteria, and other harmful substances in the air as well as surface bound, including Klebsiella pneumonia, Escherichia coli, Staphylococcus aureus, Staphylococcus albus, etc. simultameously it improves overall Indoor Air Quality.



VIRUSES

upto

99.99%

MOLD

upto

99.99%

BACTERIA

upto

99.99%

%

ODOR

upto

98

VOC S

upto

97

%

PM1 , PM2.5, PM10

upto

99

%

HYBRID AIR STERILIZER

RydAiR

With Photocatalytic Oxidation & Needlepoint Ionization Technology

MODEL: RP 501 & RP 3302

HYBRID AIR STERILIZER

With Photocatalytic Oxidation & Needlepoint Ionization Technology

MODEL: RHP 3501 & RHP 5001

AIR IONIZER

Uvi-Aire

With Needlepoint Bipolar Ionization (NPBI) Technology

MODEL: UBM20, UBP2500A,UBP5000A

MODEL: BP7500A & UBP10000A

APPLICATIONS

Hospitals are one of the most crowded places and patients and visitors come here from a different climate with different adaptive quality towards environment, due to this, there is always the risk of cross contamination of patients, students, visitors, and other supporting staff of the institution. We are committed to reduce the risk of cross contamination of Patients, Hospital staff, and Visitors and to protect them from other hospital acquired infections with the help of our air quality solution.

HOSPITALS, CLINICS & LABORATORIES

AMBULANCE

MEDICAL PRACTITIONERS & HEALTHCARE PROFESSIONALS

CONTACT US

AIRVERCLEAN FZC

Address: A3-27, SAIF Zone, Sharjah, UAE

T: 06 5780322 | M: 054 3996053

E-mail: sales3airverclean.ae

www.airverclean.ae

AIRVERCLEAN PTE LTD

Address: 61 Kaki Bukit Ave #03-19 Shun Li, Industrial Park, Singapore 417943

www.airverclean.com