

# PULIRE BIOSYSTEMS PVT LTD

(AIR STERILISER)





## Office of the Principal

Govt. Doon Medical College, Dehradun (Uttarakhand)

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### TO WHOMSOEVER IT MAY CONCERN

This is to certify that in the wake of current COVID-19 outbreak, Government Doon Medical College, Dehradun has availed services of Pulire Biosystems Pvt Ltd, Shop No 2, Pradhan Chowk Sadarpur Sector- 45, Noida, as a logistical partner for delivery of essential medical equipment i.e. Air Sterlizer Quantity -08 from Noida to Government Doon Medical College, Patel Nagar, Dehradun.

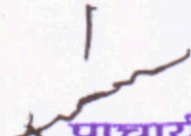
This vehicle is carrying the Air Sterlizer Quantity -08 essentially required for setting up COVID-19 testing laboratory.

It is therefore, requested to kindly provide clearance to the vehicle so that the supplies can reach the Govt Doon Medical College, Patel Nagar Dehradun.

Tanking you,

Place : GDMC Dehradun

Date : 14 April 2020

  
प्राचार्य  
राजकीय दून मेडिकल कॉलेज  
देहरादून

# CERTIFICATES

The product has been  
tested in a NABL  
Approved Lab

The Product is ISO  
13485 Certified

The Product is  
CE Certified

The Product is  
Made in India

The Product is  
GMP Certified

## COMPARISON BETWEEN PULIRE & AIR PURIFIERS

	AIR PURIFIER	PULIRE
REMOVAL OF VIRUSES	NO	YES UPTO 99%
REMOVAL OF ULTRA FINE PARTICLES	NO	YES UPTO 99%
NEUTRALISATION OF VOC	PARTIAL	YES UPTO 99%
REMOVAL OF DUST PARTICLES	YES	YES UPTO 99.9%
FILTER LIFE SPAN	LOW	HIGH
MAINTENANCE EXPENSES	HIGH	LOW



## WHY PURIFIERS ARE INEFFECTIVE

Purifier consist of HEPA Filter which can filter particles upto 0.3 microns. However most of the viruses vary in diameter 0.02 micron to 0.04 micron. This puts most of the viruses, well below the particle size that a HEPA Filter can trap, hence they are mostly ineffective to eliminate viruses.

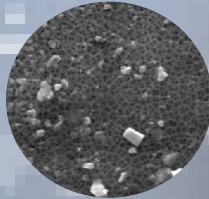
**So for the removal of Viruses, purifiers are not sufficient**



# BENEFITS



**99.9% ELIMINATION OF  
BACTERIA, VIRUSES  
AND GERMS**



**99.9% REMOVAL OF  
MICRONISED DUST  
PARTICLES**



**99.9% REMOVAL OF  
TOXIC AND OBNOXIOUS  
GASES**

## INHALE 100% CLEAN & SAFE AIR

# FEATURES

OFFERING DUAL TECHNOLOGY

DUAL FAN SPEED

THE ACTIVATED CARBON FILTER AND THE CHARCOAL FILTER ARE MADE OF GRANULES ENSURING MUCH HIGHER ABSORPTION OF GASES AND BACTERIA.

LONGER LIFE SPAN OF FILTERS

THE FILTERS ARE IMPREGNATED WITH NANO PARTICALS OF SILVER

LIGHT WEIGHT DURABLE & ENERGY EFFICIENT

BASED ON MOST WORLDWIDE ACCEPTED TECHNOLOGY

A SUPERIOR SYSTEM IN COMPARISON TO IONISERS

THROWS ONLY CLEAN AIR INTO ATMOSPHERE UNLIKE IONISERS

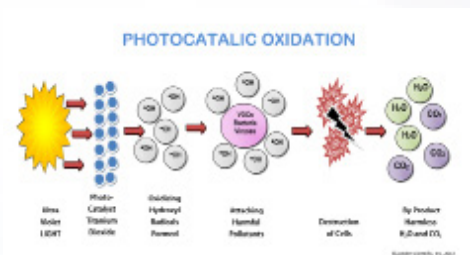
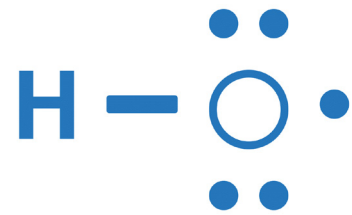
HIGHLY COST EFFECTIVE IN TERMS OF CAPITAL & OPERATING COST

# PHOTO CATALYTIC OXIDATION

The Pulire Patented Hydroxyl Generating Sterilisation technology uses UV light which reacts with specially coated pipes of titanium di oxide and other chemicals produces electrons which interact with water molecules in the air breaking them into Hydroxyl Radical. Hydroxyl Radicals are free radicals and contain an unpaired electron which makes them unstable and so they seek out and capture electrons from other substances in order to neutralize themselves and soon a chain reaction begins and thousands of free radical reactions can occur within a few seconds on the primary reaction. They keep air safe to breathe by decomposing natural and man-made pollutants and killing microorganisms. Pulire sterilises air and surfaces by a natural process called lysing, where the hydroxyls react chemically with the lipids, protein carbohydrates and other organic chemicals in the cell wall and membranes of bacteria, viruses and other pathogens and disrupt their structure. The interior contents of the cells leak and the organism is destroyed.

Some of the international companies, generating hydroxyl radicals, have tested their equipment against the MS2 virus, which is an excellent surrogate for the Coronavirus as both are positive-sense single-stranded RNA, or (+)ssRNA viruses and found the results to be highly encouraging.

Hydroxyl Radicals is much more stronger than other disinfectants. The Oxidation Potential (electron-volt) of Hydroxyl Radical is 2.85 while that of Hydrogen Peroxide is 1.77 and Ozone 2.07

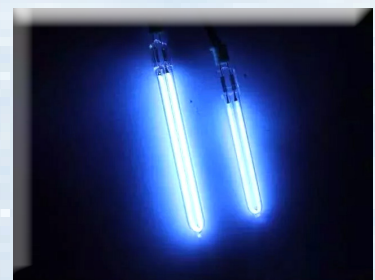


## DUAL TECHNOLOGY

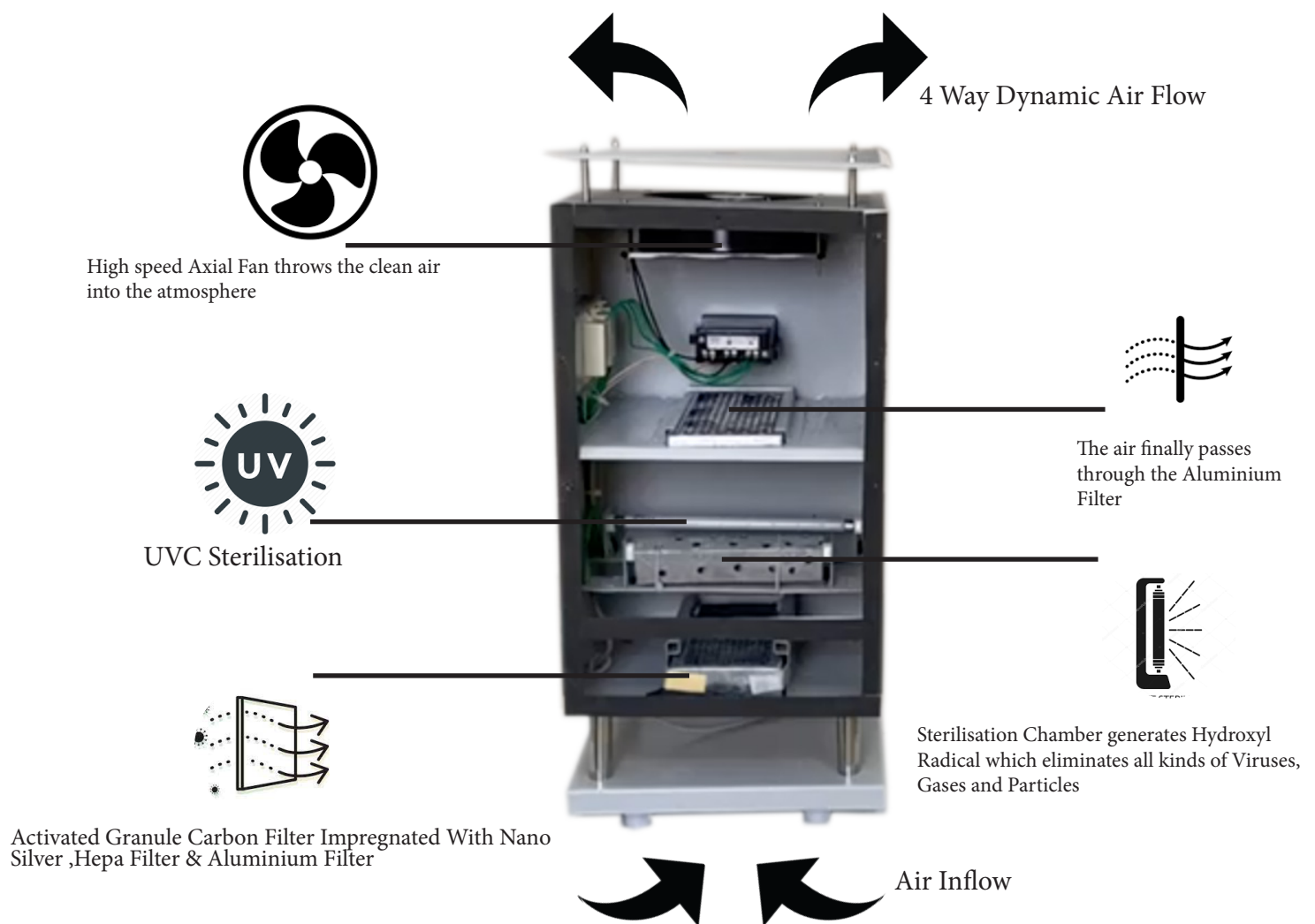
Pulire works on the **DUAL TECHNOLOGY** of Photo Catalytic Oxidation (PCO) and UV Sterilisation

## ULTRAVIOLET GERMICIDAL IRRADIATION

Ultraviolet germicidal irradiation (UVGI) is a disinfection method that uses short-wavelength ultraviolet (ultraviolet C or UV-C) light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions



**99% COMPLETE STERILISATION**



## HOW “PULIRE” WORKS

The air first passes through a set of unique air filtration system starting from washable Aluminium Filter, HEPA Filter and then through Activated Granule Carbon Filter, which is impregnated with Nano Particles of Silver.

The air then passes through the Sterilisation Chamber which have optimum number of short-wave ultraviolet (UVC and UVA) lamps. The Sterilisation Chamber generates hydroxyl radical which eliminates all kinds of viruses and bacteria. Additionally UVC when falls on the contaminants it also sterilises it. Thus dual technology ensures 99.9% sterilisation of all kinds of pathogens.

The clean air finally passes through the Activated Granule Charcoal Filter which will further absorb gases and odour.

Finally the clean air is thrown from the top of the unit.

# NOT AN ORDINARY PURIFIER BUT COMPLETE STERILISATION SYSTEM



## MODEL RANGE: PBS-II

Area Coverage: Upto 800 sqft

UV Watt: From 19 to 78

Fan Electric Consumption: 112 W

Fan CADR (CFM) 330-370

Filtration: 4 Stage Filtration

Filter Size: 12 x 12 inches

Weight: 16- 18 kg



## MODEL RANGE: PBS-I

Area Coverage: Upto 400 sqft

UV Watt: From 19 to 78

Fan Electric Consumption: 56 W

Fan CADR (CFM) 165-185

Filtration: 4 Stage Filtration

Filter Size: 10 x 5 inches

Weight: 12- 14 kg



## MODEL PBS-IV

Area Coverage: Upto 200 sqft

UV Watt: 11

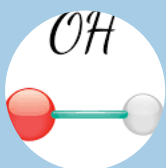
Fan Electric Consumption: 35 W

Fan CADR (CFM) 100

Filtration: 3 Stage Filtration Filter

Size: 5 x 5 inches

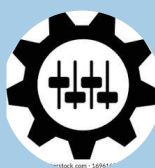
Weight: 6 kg



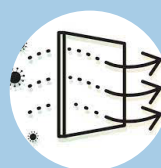
**HYDROXYL  
GENERATION**



**UV STERILISATION**



**CAN BE  
CUSTOMISED**



**H14 GRADE  
HEPA FILTER**



**NANO SILVER  
IMPREGNATED FILTER**



# ABOUT US

Pulire Biosystems Private Limited is a ISO 14001 and 9001 certified company involved in the manufacturing of Air Steriliser, UV Disinfection Units, Air Purifier and Waste Water Treatment System having its Registered Office and Manufacturing Unit in Noida, India

## SOME OF OUR CLIENTS

Astha Hospital, NCR-Delhi  
Dr. Madhu Ultrasound Clinic, Delhi  
Dr. Vishal Gurav, Saharsa, Bihar  
Govt. Doon Medical College, Dehradun, Uttarakhand  
Fahim Shiraz Nathoo, Mumbai, Maharashtra  
Thakur Child Care, Kathihar, Bihar  
Dr. Swapnil Shah, Solapur, Maharashtra  
K.R. Cosmetics Lab Pvt Ltd, Delhi  
S.S.Healthcare, Delhi  
Digital, 32 Dental Solutions Pvt Ltd, Delhi  
Military Dental Care, Fatehgarh  
Maa Saraswati Hospital, Mathura, Uttar Pradesh  
Life Protection, Lucknow, Uttar Pradesh  
Balaji Washing Company, Aurangabad  
Cherry's Sweet Shop, Vijaywada, Andhra Pradesh  
Dr. Vasundhra Mane, Pune, Maharashtra  
Biotech Pharma, Delhi  
New Age Instruments & Material Pvt Ltd, NCR-Delhi  
Dr. Anil Tomar, NCR-Delhi  
Popular Agencies, Prayagraj, Uttar Pradesh  
Dr. N.Kailash, Kurnool, Andhra Pradesh  
Dr. Maulik Patel, Mehsana, Gujarat

Rudrai Traders, Thane, Maharashtra  
Shreeji Sahjanand Medicare Pvt Ltd, Jambusar, Gujarat  
Men At Work Management Pvt Ltd, Chennai  
Abhay Malan, Mumbai  
Dr. Pushpendra Varshney, Noida-NCR  
Prevent Plus, Mysore, Karnataka  
Fetter Consultancy Pvt Ltd, Prayagraj, Allahabad  
Laxmi International, Patna, Bihar  
Camlens Tech Pvt Ltd, Mumbai, Maharashtra  
Dr. Ashish Mashankar, Amravati, Maharashtra  
Sriraja Projects, Visakhapatnam, Andhra Pradesh  
Nagaland Medical Store, Dimapur,  
Northman Enterprises, Ludhiana, Punjab  
Dr. O.G.Mundhada, Amravati, Maharashtra  
Guru Hospital, NCR-Delhi  
Dr. Rajat Alawadi, Delhi  
Chotalla Clinic, Delhi  
Mediverve Hospital  
Eco Global, Kerala  
Cedar Dental Care, Delhi  
S R Hospital & Maternity Centre, NCR-Delhi  
Abhirachna Dental Clinic, Delhi & many more



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# CONTACT US



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9871138704 , 9899567157



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NOIDA



## WORKS:

SECTOR 127 , NOIDA

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**PROTECT YOUR LOVED ONES**

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