

# AirePuro

Advanced air purification for ICUs, OPDs, and healthcare environments - powered by patented ColdPlasma™ Technology

by  Neoinventronix



Air, Engineered to Care.

CDSCO

Certified 4-in-1 Technology



# Introducing AirePuro – Advanced ColdPlasma™ Air Purification System

AirePuro is a first-of-its-kind, patented medical-grade air purification system that is filterless, silent, and maintenance-free.

It uses ColdPlasma™ ionization and a reusable electrostatic plate. Together, they remove particles, pathogens, gases, and odours from the air. It turns AQI green (<50) within 30 minutes of use, ensuring safe & healthy air quickly & efficiently.

## 1 Filter-less Air Filtration

Captures PM2.5 and PM10 particulate matter using a washable electrostatic plate, reducing waste and ongoing costs.

## 2 Health-enhancing Ionization

Generates 2.9 million ions/sec to reduce allergens and airborne pathogens, while improving serotonin levels and aiding respiratory comfort.

## 3 Deodorisation

Removes medical and chemical odours, enhancing patient and staff comfort.

## 4 Pathogen Load Reduction

Reduces bacteria, viruses, fungi (including mould), supporting continuous infection control.

## 5 Gas & Chemical Scrubbing

Eliminates CO, CO<sub>2</sub>, VOCs, SO<sub>x</sub>, NO<sub>x</sub>, ammonia, formaldehyde, and smoke, improving air safety in clinical spaces.

**5-in-1**  
air purification  
advantage





# Operational Excellence with AirePuro

Removable and washable

## Electrostatic Precipitation Plate



Fanless and energy-efficient design

Compact (330mm x 260mm x 60mm)  
and lightweight (1.5 kg)

Low ozone emissions ( $\leq 0.05$  ppm), WHO-Compliant

Continuous 24/7 operation

Wall-mount and tabletop hardware

Coverage up to 250 sq. ft.

**CDSCO**

Approved for  
Manufacturing

## Ideal for Continuous Protection in:

- ICUs, CCUs, NICUs,
- Isolation rooms and post-operation wards,
- Procedure rooms and dialysis units,
- Emergency and radiology suites,
- OPDs, consultation rooms,
- Waiting areas and enclosed clinical spaces.



# Clinically Validated

## Technical Excellence with AirePuro

AirePuro delivers proven reductions in airborne contaminants, helping hospitals achieve superior air hygiene standards. Independent testing demonstrates significant reductions in particulate matter, pathogen load, and harmful gases within just 8 hours of continuous operation.

### Particulate Matter

Tests	At 0 hrs	At 2 hrs	At 8 hrs	Reduction after 2 hrs	Reduction after 8 hrs
PM 10 (ug/m3)	12230	70	40	99.4%	99.7%
PM 2.5 (ug/m3)	7674	50	20	99.3%	99.7%

### Pathogen Load

Tests	At 0 hrs	At 2 hrs	At 8 hrs	Reduction after 2 hrs	Reduction after 8 hrs
Aerobic Bacteria (cfu)	163	88	14	46%	91.4%
Mould and Yeast (cfu)	55	44	13	20%	76.4%

### Harmful Gases

Tests	At 0 hrs	At 2 hrs	At 8 hrs	Reduction after 2 hrs	Reduction after 8hrs
Carbon Monoxide (mg/m3)	55	1	0	98.2%	100%
Nitrogen Oxides (ug/m3)	9.6	0.25	0.23	97.4%	97.6%
Sulfur Dioxide (ug/m3)	4.2	0.52	0.26	87.6%	93.8%

Validated at Shriram Institute for Industrial Research, using NABL-accredited procedures.



# Value for every healthcare stakeholder



## For Patients & Their Families



### Minimizes Infection Risks

Continuously purifies air to reduce airborne cross-contamination.



### Odour-free Comfort

Removes unpleasant medical & chemical smells.



### Supports Recovery

Enhances air quality, making it easier to breathe and speeding up recovery.



### Chemical-free Safety

No exposure to fumes or sprays.



### Better Work Environment

Cleaner air improves focus & comfort.



### Easy to Operate

No filters or maintenance required.



## For Healthcare Staff



### Zero Consumable Costs

No filters or chemicals to replace.



### Energy Efficient

Low power, continuous operation.



### Builds Trust

Demonstrates commitment to patient safety.



### Scalable

Suitable for ICUs, OPDs, wards, & waiting areas.



## For Hospital Administrators

## About Neoinventronix:

Neoinventronix is a clean-tech and health-tech innovator, developing advanced sterilization and air purification technologies to elevate healthcare safety standards.

## Our Recognitions Include:

- ISO 13485 Medical Device Certification

-  **NSIC** Registration  
ISO 9001 : 2008

-  **#startupindia** &  **MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY** Recognition

-  **PATENTED** Air & Surface Sterilization Technologies

- Supported by **NITI Aayog** &  **ALEAP** Association of Lady Entrepreneurs of India  **ALEAP we hub** Atal Innovation Centre

## Designed, Engineered, and Manufactured in India

Products trusted by hospitals nationwide, delivering world-class patient safety.



# Neoinventronix




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