

More than thousand satisfied customers worldwide



# ANAND-AIR

## Air Decontamination System



**CEILING MOUNTED**



**UVGI**



**THERMAL DISINFECTION**



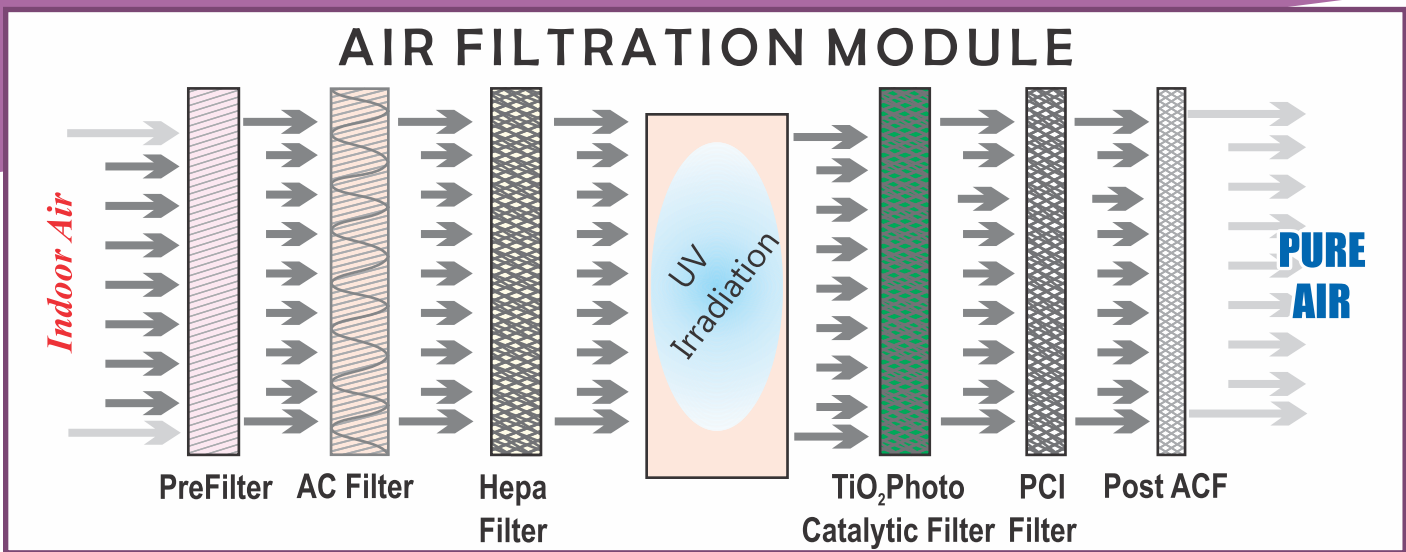
**FLOOR MOUNTED**

### PRODUCT FEATURES :

1. Floor/ ceiling Mount design to kill bacteria, virus & fungi
2. Multi-stage filtration to trap 99.97% particles upto 0.3 microns.
3. UVGI technology for maximum germicidal effect.
4. Advanced Thermal Disinfection Module for unparalleled microbicidal efficacy
5. Nano TiO<sub>2</sub> photocatalyst with hybrid design for VOC & microbial destruction
6. Dual Activated Carbon Filter for peak level VOC adsorption
7. Advance PCI generator for enhancing particle filtration and VOC destruction
8. Adjustable air speed
9. Fully programmable as per customer requirement

### AREAS OF APPLICATION:

- ◆ Bone marrow transplant unit
- ◆ Burn units (wards and ICU)
- ◆ Cath lab
- ◆ Critical care facilities
- ◆ Cytology lab
- ◆ Dental clinics and labs
- ◆ Emergency rooms
- ◆ Endoscopy rooms
- ◆ Geriatric and elderly care units
- ◆ Intensive care units
- ◆ Intensive coronary care units
- ◆ Isolation areas (eg. TB-isolation)
- ◆ IVF labs
- ◆ Labour rooms
- ◆ Microbiology labs
- ◆ Minor OT
- ◆ Mortuary
- ◆ Neonatal intensive care unit
- ◆ Oncology wards
- ◆ OPD area
- ◆ Operation theatres
- ◆ Organ transplant areas
- ◆ Pathology labs
- ◆ Pediatric wards
- ◆ Post natal rooms
- ◆ Pulmonary wards
- ◆ Radiology
- ◆ Radiotherapy



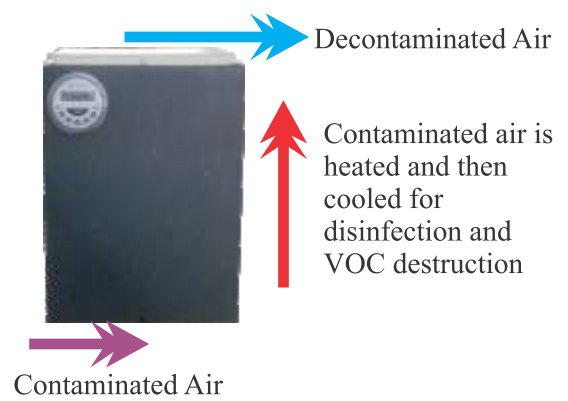
The System utilizes the latest technology in air filtration. Armed with an array of filters, combined with UV, TiO<sub>2</sub> the system can handle all types of particulate matter and VOC. Within the hospital environment it is important to achieve high level of air disinfection as well. To aid the filtration unit, The system has an advance thermal disinfection module.

Based on FTD technology, this system heats the air to high temperature to destroy all types of bacteria, viruses and fungi. Subsequently air is cooled to ambient temperature and released. This ensures absolutely contaminant free air.

### UVGI System Module

Anandair upper air in-room module is designed specifically for continuous upper air UV irradiation that helps increase the number of air changes in room. The trusted parabolic design of reflectors safely directs and keeps the UV light in the upper 20% of the room. It's a wall mounted module which is installed just below the ceiling.

### Flash Thermal Disinfection Module



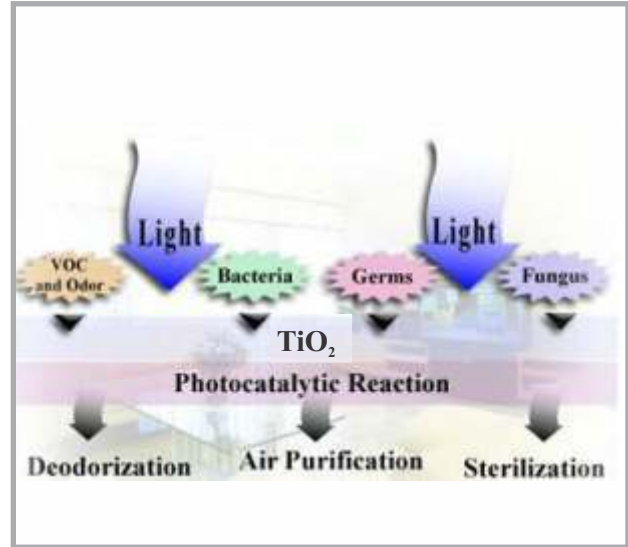
### Technical specifications:

- ☛ Area Recommended: > 4000 Cubic Ft.
- ☛ Supplied with remote control to turn on/off
- ☛ Wall mounted controlled can work from outside of room
- ☛ Continuous UV intensity monitoring for timely changes
- ☛ On-line monitoring of HEPA for filter integrity and effectiveness
- ☛ Traps particles upto 50 microns
- ☛ Programming of all modules through wireless controller
- ☛ Non conducting shock proof material
- ☛ Electrical: 220/250 VOLTS, 50 Hz
- ☛ Power Consumption: 200 W for all modules
- ☛ Weight: 21 Kg(approx.)
- ☛ Dust purifying rate : 99%
- ☛ Formaldehyde purifying rate : 95%
- ☛ Air Output:
  - Floor Mounted : Adjustable between 200 to 430 CFM
  - Ceiling Mounted : Adjustable between 140 to 320 CFM
- ☛ Pre Filter : Synthetic PU
- ☛ Activated Carbon Filter : Foam & ACF combined filter Dual level
- ☛ HEPA Filter: 99.97% efficiency @ 0.3 microns
- ☛ Germicidal Irradiation: Curved Dual UV Lamps
- ☛ Hybrid TiO<sub>2</sub> Photocatalytic Filter
- ☛ Upper Room Air UVGI Module
- ☛ No chemical or ozone used for air disinfection
- ☛ Advance, fan free Flash Thermal Disinfection Module
- ☛ Suitable for indoor air even in presence in personnel

# ANAND-AIR

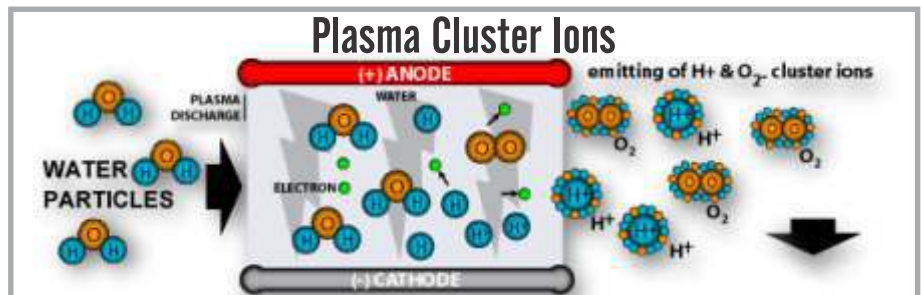
## HVAC AIR PURIFIER

### Technical specifications:



Within the hospital environment it is important to achieve high level of air quality. The quality of air coming out of centralised air conditioning unit is becoming one of the major challenges now. This air contains VOCs, particulate matter as well as different types of micro - organisms.

ANANDAIR HVAC air purifier utilizes the latest technology in air purification. Armed with an array of technologies, ANANDAIR HVAC air purifier system combines UVGI with TiO<sub>2</sub> & Plasma Cluster Ion to handle all types of microorganisms, VOC & particulate matter in centrally air conditioned units.



### Technical specifications:

- Germicidal : 4 x UVGI Lamps & 2 x TiO<sub>2</sub> Filters
- VOC Control : 2 x TiO<sub>2</sub>Filters
- Particulate Matter Control : 4 x PCI Modules
- Installation : In line
- Suitable for upto 5000 cfm flow rate
- Electrical: 220/250 VOLTS,50 Hz





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**A product of :**

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