



AASTHA SURGIMED LTD.

AIR PURIFIER/ STERLIZER





Introduction

- » All of us face a variety of risks to our health as we go about our day-to-day lives and being exposed to environmental pollutants all pose varying degrees of risks.
- » Some risks are simply unavoidable and some we choose to accept because to do otherwise would restrict our ability to lead our lives the way we want. And some are risks we might decide to avoid if we had the opportunity to make informed choices.
- » A Renowned of scientific evidence has indicated that the air within homes and other buildings can be more seriously polluted than the outdoor air in even the largest and most industrialized cities.

- » The risks to health may be greater due to exposure to air pollution indoor than outdoor as people spend approximately 90% of their time indoors. These people are the most susceptible to the effects of indoor air pollution.
- » Such groups include the young, the elderly, and the chronically ill, especially those suffering from respiratory or cardiovascular diseases.



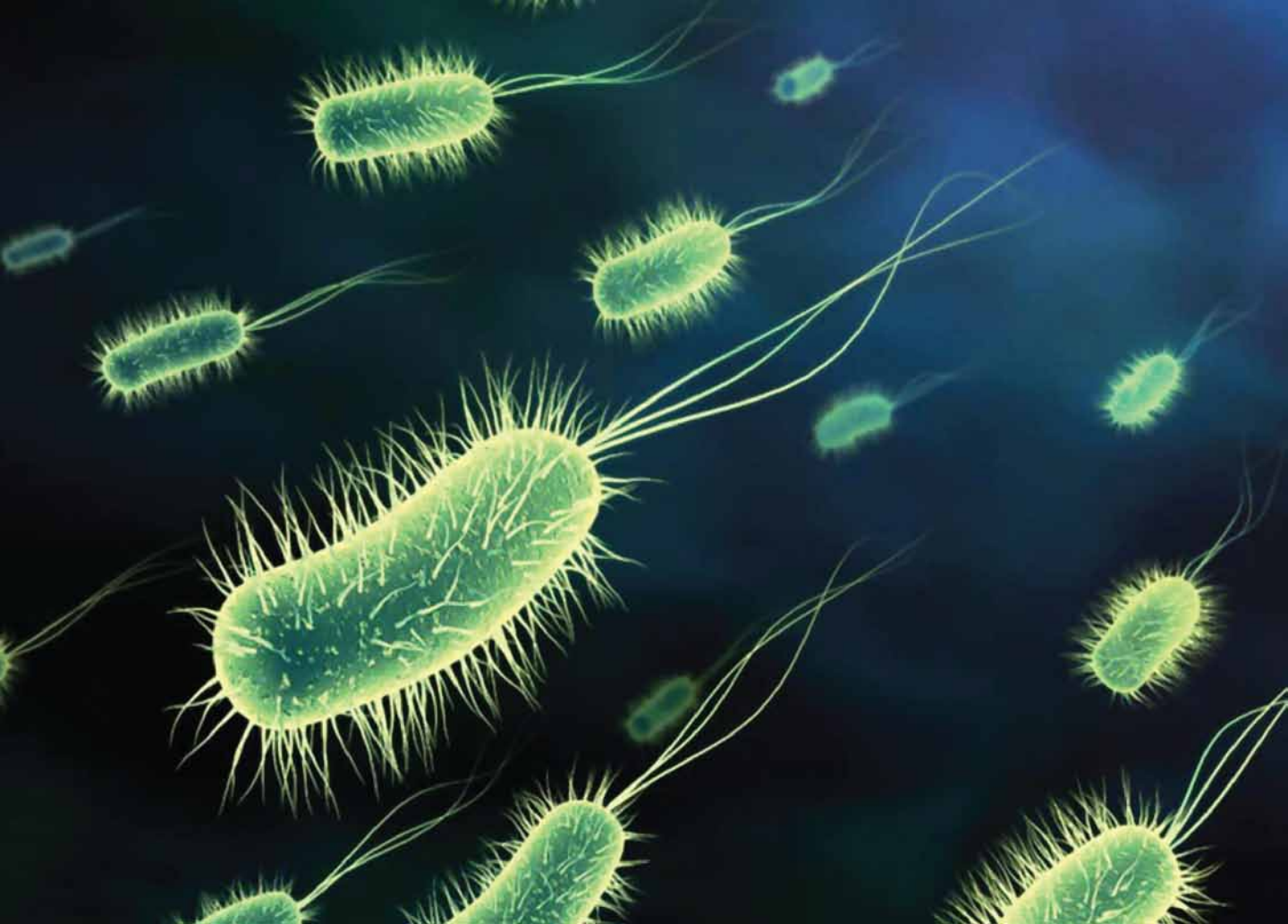


Some Important Diseases through inhaled Airborne Contamination

- » Flu
- » Measles
- » Mumps
- » Tuberculosis
- » Legionnaire's disease
- » Acute Allergic Alveolitis
- » Whooping cough
- » Meningitis
- » Diphtheria
- » Pneumonia
- » Histoplasmosis
- » Coccidioidomycosis

- » Patients in hospital rooms constantly produce transmissible airborne organisms by coughing, sneezing.
- » Single sneeze can produce 1,00,000 droplets of mucus at a distance of up to 10m at a speed of 99 mph.
- » Continued exposure to these airborne particles leads to life threatening diseases.
- » Nosocomial infections is a major problem in many healthcare facilities affecting around 30% of patients stay in hospital.
- » Dramatic increase in new antibiotic resistant microorganisms has lead to a need to improve the protection of healthcare professionals and patients.
- » Cleaning the Air, Controlling the Air borne contamination hence becomes an important part of infection control in the hospital.





THE TWO TYPES OF AIRBORN CONTAMINATION ARE:

- » Gases & Chemicals Contamination
- » Bacterial & Viruses

Indoor pollution sources that release gases or Contaminated particles (Bacteria & Viruses) in the air are the primary causes of indoor air quality problems in hospitals and sensitive locations.

TYPICAL SOURCES OF INDOOR AIR POLLUTANTS

- » Outdoor air sources, such as pollen, dust, fungal spores, industrial emissions, and vehicle emissions.
- » Underground sources, such as radon; pesticides; and leakage from underground storage tanks.
- » Heating, ventilation and air conditioning equipment, emissions from hospitals and office equipments.
- » Biological pollutants like bacteria and viruses.

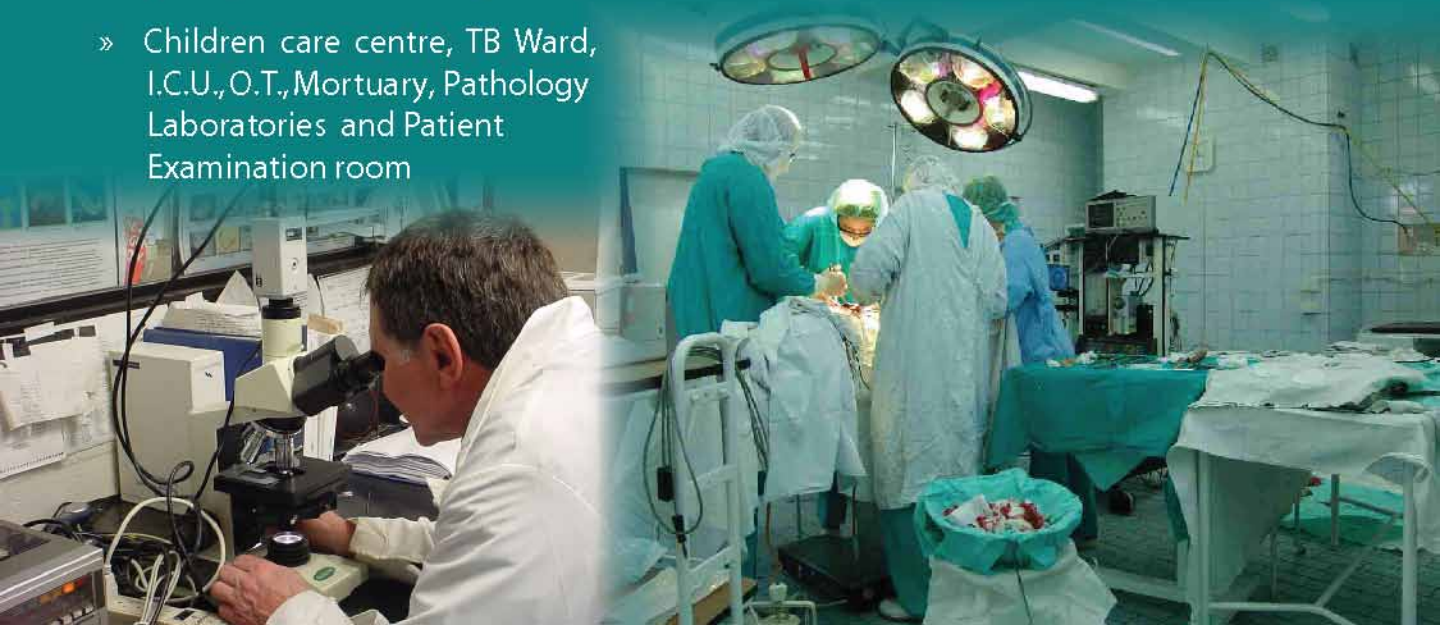


SYMPTOMS COMMONLY ATTRIBUTED TO INDOOR AIR QUALITY PROBLEMS

- » Headache, fatigue, and shortness of breath
- » Sinus congestion, cough and sneezing
- » Eye, nose, throat, and skin irritation
- » Dizziness and nausea
- » Allergic Asthma
- » Frequent sickness amongst children

USEFUL FOR

- » Allergic or asthmatic individuals, or people with sensitivity to chemicals / smoke
- » Patients with respiratory disease
- » People whose immune systems are suppressed due to radiation or chemotherapy, post operative recovery or disease
- » Children care centre, TB Ward, I.C.U., O.T., Mortuary, Pathology Laboratories and Patient Examination room





AIRBORNE INFECTIONS.... NO MORE A MATTER OF WORRY!!

- » No remedy or treatment can be effective until the source has been eliminated.
- » Thanks to the unique Air Purifier/Sterlizer with Electrostatic Filter and UV light that destroys all kinds of organisms completely and removes air borne particles up to 0.1 micron.
- » Additional protection of germicidal U.V. Irradiation along with Electrostatic Filter ensures 100% Sterilization of air.
- » Protecting everyone from airborne infections.

TECHNICAL SPECIFICATION

» **Outer Dimension**

2' x 2'

» **Outer Body :**

Rust Free

» **Mounting Options**

Ceiling / Wall / Standing Model

» **Volume of Room**

Up to 300 m³

» **Air Flow :**

1150 m³/h

» **PRR :**

695 m³/h

» **Control :**

IR Remote

» **UV Lighting :**

22 W

» **Types of Filters :**

Pre-filter, Electrostatic filter,
Activated Carbon filter

» **Fan Speed**

Four

» **Power Consumption**

100 watt

» **Weight :**

16 kg approx.

» **Color :**

Off White

» **Power Supply**

220 V @ 50 Hz

» **Warranty Period**

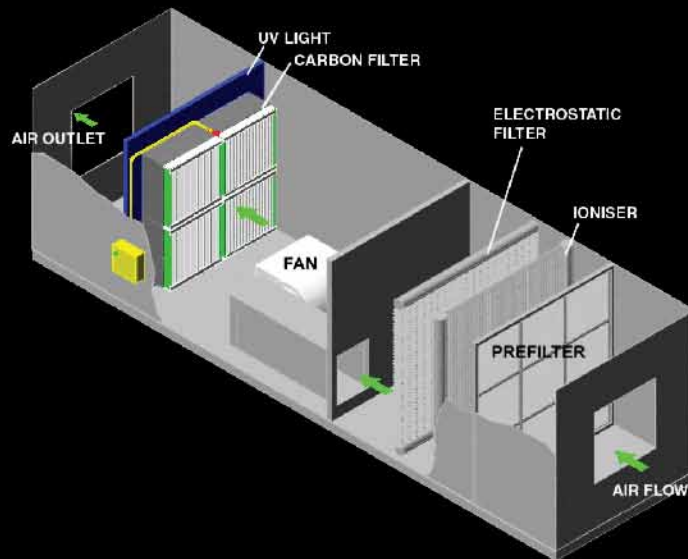
12 Months

» **Noise Level**

Very Low

WORKING PRINCIPLE

The electrostatic filter works on the principle of ionizing the air particles and collecting on the oppositely charged collectors; and UV rays works by damaging the DNA and other cell components (this equipment is essential to prevent or reduce cross infection in Intensive Care Unit / Hospitals). Thus, this equipment is essential to prevent Infection and in long run, reduce expenses on costly antibiotics, shorten length of stay and improve overall outcome of the patients.



APPROVALS

- » **CE** CERTIFIED
- » ISO 9001-2000 CERTIFIED
- » ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS),
NEW DELHI
- » MILITARY HOSPITAL, AMBALA CANTT
- » R&R MILITARY HOSPITAL, NEW DELHI



CERTIFIED BY:

- » AIIMS, NEW DELHI
- » DR. R.M.L. HOSPITAL, NEW DELHI
- » E.S.I. HOSPITAL, NEW DELHI



OUR PRESTIGIOUS USERS

- » **All India Institute of Medical Sciences, New Delhi**
- » Dr. B.R.A.,IRCH, AIIMS, New Delhi
- » Dr. Rajender Prasad Eye Hospital, New Delhi
- » Trauma Center, New Delhi
- » **Rajan Babu Institute of Pulmonary Medicine & TB, New Delhi**
- » Sri Maharaja Hari Singh Hospital, Srinagar
- » Sri Maharaja Gulab Singh Hospital, Jammu
- » Chest Diseases Hospital, Jammu
- » **Shere-I- Kashmir Institute of Medical Sciences, Srinagar**

and many more.....

Thankyou



For Your Requirement, Please Contact:

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