



# AIR Purification SYSTEMS



Air Purifier  
Systems With  
Multi-purpose  
Applications

## BRIGHT STAR AIR PURIFICATION SYSTEMS

Bright Star Air Purification Systems that can effectively handle fine dust particles, dust, body scurf, pet dander, harmful gases (carbon monoxide, hydrogen sulfide, ammonia, vehicular emissions and VOCs), odour & smoke.

Highly beneficial for asthmatic patients living in cities and generally polluted or pollen bound areas. The higher availability of fresh air helps enhance activity, health and memory levels in children.

Besides making the environment & surrounding air fresh and pure it generates 3.8 million negative ions per cubic meter. Negative ions are found near waterfalls, mountains & green areas like forests and keep you fresh and vitalize your mind and body.

## TECHNOLOGY

Bright Star Air Purification Systems contains advanced filtration technology for effective protection from air pollution. Pre-filter, Fine Filters, HEPA and Activated Carbon remove dust, suspended particulate matter, air-borne bacteria, viruses and lingering smells. It has a Negative Ion generator to help freshen and revitalize the air. Negative ions in the air help improve pulmonary and heart muscle functions.



### PRE-FILTER

Removes coarse dust particles from the air. Prolongs life of the air purifier system. Easily washable. the pre-filter on your air purifier should be changed, or at least checked according to the prescribed schedule. Pre-filter installed in our purifiers are washable so there is no need to change it.



### FINE-FILTER

It is widely demanded for optimum efficiency, easy to install, durable and reliable. It is used in several industries to distill the dust particles. Indoor air is full of particles, and in fact, most of the mass in the particles is in the fine particles. It removes fine dust particles from the air.





### HEPA-FILTER

HEPA stands for High Efficiency Particulate Air and this air purification technology with the capacity to trap 99.97% of all airborne particles that are as small as 0.3 microns in size and 95% of minute particles down to 0.1 micron like pollen, drifting dust and germs. HEPA filters trap small particles that may cause problems for allergy sufferers and others with health problems.



### ACTIVATED CARBON-FILTER

Activated Carbon filters have small absorbent pores that chemically react to pollutants as they pass through the filter. This causes the pollutants to bond with the carbon and become trapped. These purifiers are effective at clearing smoke, odors, chemicals and even gases from the air. Activated Carbon filters are rarely used alone to purify air, and are often used in conjunction with other filters.

## RECOMMENDED BENEFITS & APPLICATIONS

### HOME

Indoor pollution includes dust, smoke, pollen, animal dander, tobacco smoke, particles generated from combustion appliances such as cooking stoves, and particles associated with tiny organisms such as dust mites, molds, bacteria, and viruses. These pollutants affect air quality in homes which have ill effects on your health. Poor indoor air quality has been tied to symptoms like headaches, fatigue, trouble concentrating, and irritation of the eyes, nose, throat, and lungs.

### Healthcare

Air purifiers form part of any healthcare facility's core suite of essential equipment. India faces a severe problem of hospital acquired infections. As the number of patients increase in hospitals, this has emerged as a major health issue for care givers be it doctors, nurses, other hospital staff and bystanders of patients themselves.

Our air purifiers find extensive usage across leading hospitals and healthcare facilities in several areas that include:

- Out Patient Department
- Operation Theatre
- Intensive Care Units
- Burn Wards
- Post-operative Recovery Rooms
- Maternity Wards
- Pediatric ICU

With their 9-stage air filtration technology, air purifiers are the ideal enablers to having healthy, infection-free air to breathe in hospitals.



## HOSPITALITY & LIFESTYLE

In the world of business and hospitality, first impressions matter. Freshness in the air is one of the key links to creating that first impression about your hotel, restaurant, pub, gym or office. Bad smells and smoke are a put off for any customer and fresh air free of smoke and pungent smells could make all the difference between losing a customer instantly and retaining one for a long period of time. Bright Star Air Purification Systems have advanced Activated Carbon filters that help in effectively removing smoke and lingering smells from the air purifiers.

## RESTAURANTS

Smoke & Smell Buster for Restaurants, Banquet Halls, Discotheques. This customized air purifier is designed to absorb all the smell and smoke which can spoil the mood of your valuable guests. Technologically superior and hi-tech filters are used to make the indoors absolutely clean.

## INDUSTRY

There are several industrial scenarios where our air purifiers are proving to be of immense value to our clients. Our ability to add 'customized' filters to solve industrial air quality problems is what differentiates us from competition.

## DATA CENTER

Studies have shown that gases like SO<sub>2</sub>, NO<sub>2</sub>, SO, NO & H<sub>2</sub>S are damaging hard disk and other components of the server. Few years back the reason of sudden breakdown of servers was not known but now gases & other pollutants in air are one of the major causes of data loss. Prevent data loss with Data Center pro Air Purifier Series.

## EVERYDAY HEALTH

Offices and schools are located at city centers these days and are air conditioned throughout the working hours. In air conditioned environments, stale air circulates constantly and when outside air is taken in occasionally it brings vehicular and industrial air pollutants from outside air indoors. Limited fresh air also means that air borne infections spread and there is greater concentration of Carbon Dioxide in the air. This is proven to cause several short term and long term health effects especially since employees and students spend upwards of 8 hours each day breathing this air. Lack of fresh air is also one of the major reasons for lethargy and poor attention spans.

# BRIGHT STAR AIRCON

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