AIR CARE - Air Sterilizers/Purifiers

Most advanced solution for O.T. Air sterilization - 7 stage filtration / sterilization process

Ideally Suited For

At medical sites like Operation Theatres, I.C.C.U., I.C.U., N.I.C.U., Post Operative Wards, Trauma Wards, Casualty Rooms etc.

Suitable for small rooms in laboratories, pathology labs, microbiology departments where bacteria or micro-organism free air is desired.

At homes in a closed room specially for allergic patients suffering from respiratory diseases like asthma, pneumonia & other air borne diseases.

Suited in dental clinics O.P.D. rooms, Waiting areas, to guard against cross infection from patients.
HEPA Filter: HEPA (High Efficiency Particulate arrester) effectively adsorbs particles less than 0.3μm with an efficiency of more than 99.97%. It effectively captures particles of pollen, dust & germs.

Activated Carbon Filter: Catalyzes & decomposes the harmful gas like formaldehyde, H₂S, NH₃ efficiently. ACF acts like a sponge & traps most of the airborne gases & odors.

Fibre Filter: It traps the dust particles & thereby increasing the life of the HEPA & other filters.

Photocatalyst: TiO₂ photo catalyst when exposed in certain wavelength UV light triggers oxidation-deoxidation reaction to decompose formaldehyde, benzene, ammonia, TVOC, sulphur dioxides, carbon monoxide, nitrogen oxide in air & convert it to water & carbon dioxide finally. After nanoTiO₂ photocatalyst absorbs UV, it decomposes water in air & forms electron & hole. The electrons & holes combine Hydrogen & oxygen to form OH free radicals which has property to break bacterial cell membrane & easily decompose bacterial in air. This can kill coliform & flu germs in air. It also deodorizes air.

UV Lamps: UV Light with wavelength 254nm can effectively destroy most of the microbes & germs thriving in air effectively due to its germicidal property. The life of UV lamp is up to 8000 hours of working. The sterilization rate is more than 97.6%.

Ionizer: It generates negative charged oxygen ions(anions). Anions with negative charge neutralizes smoke & dust which are exactly charged particles floating in air depositing them naturally. More than 8 Mn ions are generated per second in the unit.

Ozone: This is three atoms of Oxygen together O₃. It is characterized by its fresh, spring rain like scent & bluish color. Ozone is one of most powerful microbicidal known to science. It effectively destroys most resistant pathogens. It is metastable meaning it tends to revert back to its original state oxygen.

### Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Model - Air Care 500</th>
<th>Model - Air Care 300</th>
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</thead>
<tbody>
<tr>
<td>Area Covered</td>
<td>up to 500 sq ft</td>
<td>up to 300 sq ft</td>
</tr>
<tr>
<td>Product Size</td>
<td>340 X 222 X 610 mm</td>
<td>305 X 330 X 170mm</td>
</tr>
<tr>
<td>Air Flow Volume</td>
<td>approx 150 m³/h</td>
<td>approx 365 m³/h</td>
</tr>
<tr>
<td>Power Rating</td>
<td>60W</td>
<td>39 W</td>
</tr>
<tr>
<td>Noise Level</td>
<td>Less than 45 dB</td>
<td>Less than 40 dB</td>
</tr>
<tr>
<td>Ions</td>
<td>8 X 10^6 ions/m^3</td>
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</tr>
<tr>
<td>Filtration / Sterilization Levels</td>
<td>1) Pre-Filter 2) HEPA 3) TiO₂ Photocatalyst 4) Activated Carbon filter 5) Ionizer 6) UV lights 7) Ozonizer</td>
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<tr>
<td>Controls</td>
<td>Touch screen Panel &amp; remote control</td>
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**For Details Contact:**

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