D A DEEP BREA T H OF HEALTHY AIR

The Superior Air Purification
**SUPERIOR AIR SYSTEM**

High-capacity, fully portable 5-stage complete air purification unit:

1. Plug in and turn on.
2. Draws contaminated air inside bottom chamber through medical surgery rated Pre-Filter.
3. Air passes through the high efficiency blower in the sealed deactivation chamber (subjected to high intensity UV-C energy used to inactivate viruses and pathogens rendering them harmless).
4. Air stream is pushed into the top chamber through High Efficiency Particulate Absorbing Filter and traps 99.99% of the hardest to filter particles (Dander, Pollen, Viruses, etc.).
5. Air stream is infused with millions of +/- ions
6. Clean air is supplied to the environment through a pyramid diffuser.

**MERV 14 PRE-FILTER:** Filters, Pollen, Dust Mites, Mold, & Spores

**EC HIGH FLOW FAN:** Reduces Risk via quick circulation of Room Air

**BI-POLAR IONIZER:** Particle & Dust Reduction

**HEPA FILTER:** Reduces Allergy & Asthma Triggers

**UV-GI SYSTEM:** Proven to Inactivate Viruses & Pathogens
BENEFITS
REMOVES ALLERGENS, MOLD, BACTERIA, AND VIRUSES

MERV 14 PRE-FILTER
- Filters, Pollen, Dust Mites, Mold, & Spores
- > 90% Efficient for Particles 3-10 Microns

EC HIGH FLOW FAN
- Reduces Risk of Infection via Quick Circulation of Room Air
- Quiet Operation
- 1800 CFM

UV-GI SYSTEM
- UV-Gi is Proven to Inactivate Viruses & Pathogens
- CDC Recommended
- ASHRAE Recommended

HEPA FILTER
- 99.99% Effective Against .1-.3 Micron Particles
- Reduces Allergy & Asthma Triggers

BI-POLAR IONIZER
- Particle & Dust Reduction
- Neutralizes Odors
- No Harmful Ozone Produced
Why Superior Air?

ALUMINUM ENCASING
Durable Marine Grade Aluminum Construction With Commercial Grade Long Lasting Corrosion Resistant Powder Coating which has a Highly Reflective Inactivation Chamber and Provides 75% More Irradiation to Render Viruses/Pathogens Harmless

DASHBOARD DISPLAY
Maintenance Light with Flashing Alert, a Pair of Filter Life Insight Indicators which Display Performance for Both Surgical Grade Filters, a Stainless Steel LED Power-On Light, and a Multi-Speed Control Which Allows for Tailored Performance for a Variety of Different Room Sizes

360 DEGREE ALL ACCESS INTAKE
Allows for Flexible Placement without Sacrificing Performance

SAFETY & MISCELLANEOUS FEATURES
Quiet Operation (~60dB), Equivalent to Conversation Volume, Due To State of the Art Sound Dampening Materials. Each Compartment and Filter is Equipped with Safety Interlock Switches for Safe Operation. A UV-C Safety Sight Glass allows for Quick and Safe Verification of the Lamp Status. Each Unit is also Equipped with Four Lockable 360° Rotation Wheels for Ease of Mobility or Secures Placement of the Unit
Why Superior Air?

CLEAN AIR DIFFUSER
Outputs Purified Air with Pyramid Geometry to Limit Disruption to the Environment Such as Blowing Papers or Audible Whistling

BI-POLAR IONIZER
Produces Millions of Positive and Negatively Charged Ions which Promotes the Clustering & Settling of Particles, Allows Larger Particles to Filter Out Easily, and Neutralizes Particulate Matter Such as Bacteria, Virus, Odorous Gases, VOCs, Etc.

HEPA
12" Deep High Efficiency Particulate Filter Traps 99.99% of Ultrafine Airborne Particles (.3-10 microns) and Reduces the Amount of Viruses, Mold, Bacteria, Pathogens, and Other Harmful Microorganisms

UV-GI
High Intensity Irradiation Output by Emitting a 254µm Wavelength (Which is Most Effective Against Microorganisms) for Quicker Inactivation and Destruction of Microorganisms by Prohibiting DNA Replication and Their Ability to Infect

ENERGY EFFICIENT HIGH FLOW FAN
Pushes 1,800 Cubic Feet of Air Every Minute to Enhance Air Disenfection Performance. The Full Aluminum Fan Construction is Immune to UV-C Degradation Unlike Plastic Equivalents

MERV-14
Surgical Grade Pre-Filter Removes Microparticles such as Dust, Sneeze Nuclei, and Germs
Superior Air Performance

Applications

- Hospitals (waiting rooms, offices etc.)
- Schools/Universities (classrooms, lobbies, cafeterias, gyms etc.)
- Government/Military Institutions
- Event Centers
- Restaurants
- Boutiques
- Office Spaces
- Conference Rooms
- Health/Fitness Centers
- Many More

Total Particles in the Airstream Before and After

Particle Diameter Size

<table>
<thead>
<tr>
<th>Diameter Size</th>
<th>Before Superior-Air</th>
<th>After Superior-Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0µm</td>
<td>990</td>
<td>0</td>
</tr>
<tr>
<td>5.0µm</td>
<td>2,518</td>
<td>0</td>
</tr>
<tr>
<td>2.5µm</td>
<td>6,395</td>
<td>0</td>
</tr>
<tr>
<td>1.0µm</td>
<td>9,234</td>
<td>0</td>
</tr>
<tr>
<td>0.7µm</td>
<td>18,932</td>
<td>0</td>
</tr>
<tr>
<td>0.5µm</td>
<td>60,901</td>
<td>0</td>
</tr>
<tr>
<td>0.3µm</td>
<td>106,464</td>
<td>0</td>
</tr>
</tbody>
</table>

Particle Diagram:

- After Superior Air, No Detectable Particles Remained in the Air Stream

For Reference a Human Hair is approximately 80-100 microns

- Viruses in Respiratory Droplets
- Allergens
- Dust Mites
- Dust
- Tobacco Smoke
- Germs
- Mold Spores
- Bacteria
- Pet Hair
- Dander

3-1 Microns

1-10 Microns

80-100 Microns
Specifications
Superior Air delivers healthier air quality through medical grade technology, higher change over rates, in a package that’s easy to use, low cost upkeep, and minimal maintenance.

- **Air Flow [CFM]**: 1800
- **Input Power***: 110-120V, 1PH, 60Hz
- **Size [HxWxD][in]**: 61 x 32 x 30
- **Weight [lb]**: 240

**Power Consumption** [KW] 0.89
- **Material**: Marine Grade Powder Coated Aluminum
- **Color**: Texture White
- **Casters**: 4 - Swivel w/ Brake

**Pre-Filter**
- **Type/Rating**: MERV-14
- **Efficiency@ 3-10 Micron**: 90%
- **Initial Resistance [inWG]**: 0.35
- **Filter Size [in]**: 24 x 24 x 2
- **Filter Area [Sq. Ft]**: 27.6
- **Rated Air Flow [CFM]**: 2400

**Post-Filter**
- **Type/Rating**: HEPA
- **Efficiency@ 3-10 Micron**: 99.99%
- **Initial Resistance [inWG]**: 1.35
- **Filter Size [in]**: 24 x 24 x 11.5
- **Filter Area [Sq. Ft]**: 286
- **Rated Air Flow [CFM]**: 2000

**Bi-Polar Ionizer**
- **Type**: Needle Bipolar
- **Ion Output [ions/cc]**: 100 Million
- **Ion Power [W]**: 10
- **UL 2998**: Zero Ozone Emissions

**Ultraviolet Germicidal**
- **System Type**: Ultraviolet Germicidal Irradiation
- **Wavelength**: 254 nanometers
- **Lamp Power [W]**: 204
- **Bulb Type & Life**: High Output, 10,000 Hours

*Special Upon Request
A Deep Breath of HEALTHY AIR

Ask about our Subscription Service for automatic shipments of discounted bulbs and filters