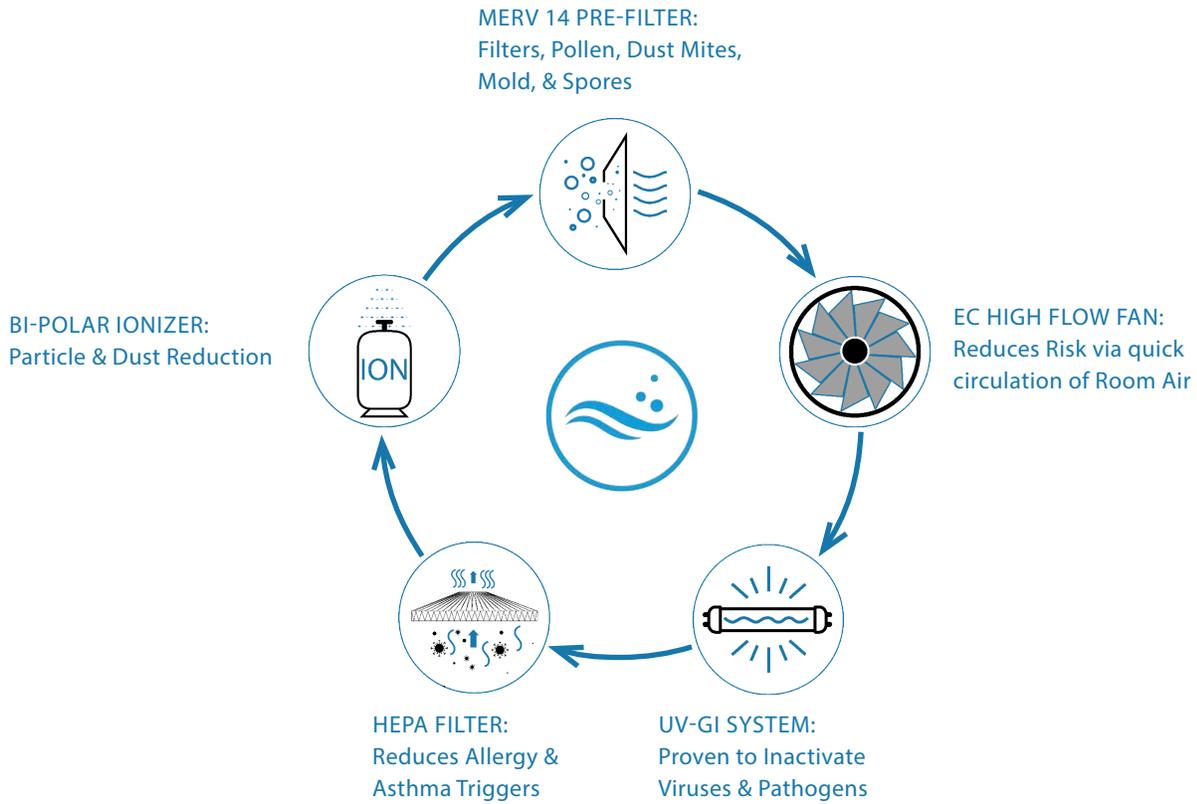


# A DEEP BREATH OF HEALTHY AIR

The  
*Superior*  *Air*  
Purification

**MCI** 



## SUPERIOR AIR SYSTEM

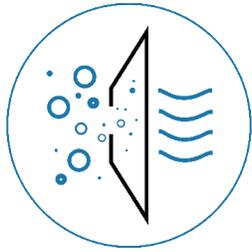
High-capacity, fully portable 5-stage complete air purification unit:

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.



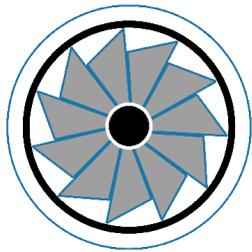
# BENEFITS

## REMOVES ALLERGENS, MOLD, BACTERIA, AND VIRUSES



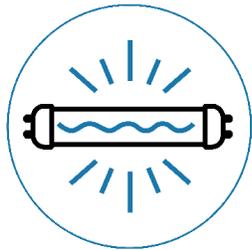
### MERV 14 PRE-FILTER

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



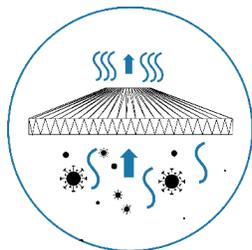
### EC HIGH FLOW FAN

- 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 Disinfection 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

**.3-1 Microns**



Viruses in Respiratory Droplets  
Allergens  
Dust Mites  
Dust  
Tobacco Smoke

**1-10 Microns**

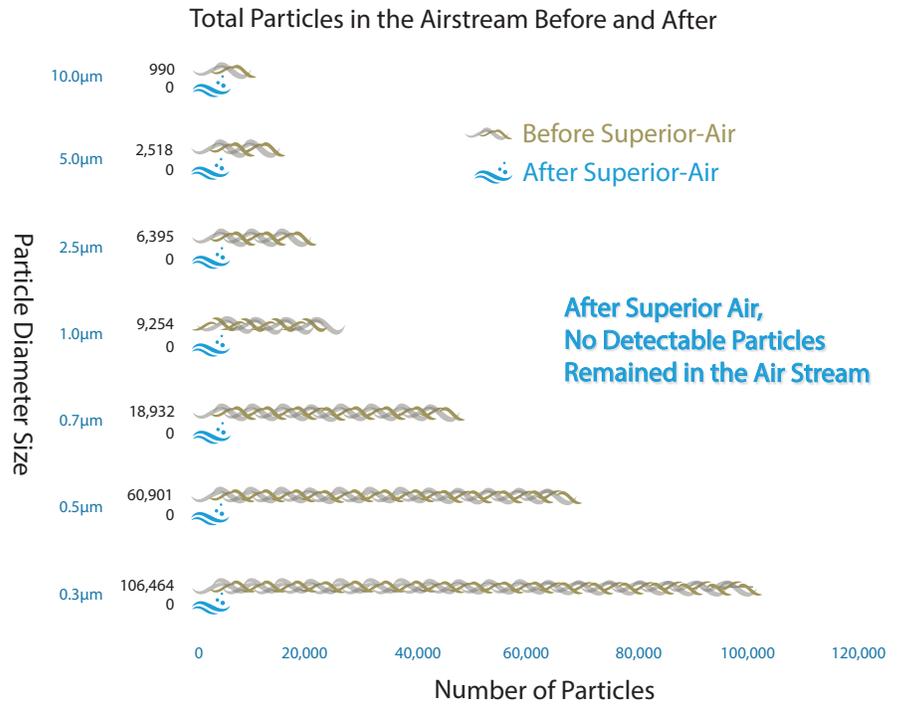


Germ  
Mold Spores  
Bacteria  
Pet Hair  
Dander

**80-100 Microns**



For Reference a Human Hair is approximately 80-100 microns



## Applications



Hospitals (waiting rooms, offices etc.)



Schools/Universities (classrooms, lobbys, cafeterias, gyms etc.)

Government/Military Institutions

Event Centers



Restaurants

Boutiques



Office Spaces

Conference Rooms



Health/Fitness Centers

Many More

# 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	@ Initial Resistance
Input Power*	110-120V, 1PH, 60Hz	*Special Upon Request
Size [HxWxD][in]	61 x 32 x 30	
Weight [lb]	240	

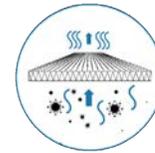
Power Consumption [KW]	0.89
Material	Marine Grade Powder Coated Aluminum
Color	Texture White
Casters	4 - Swivel w/ Brake

## 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



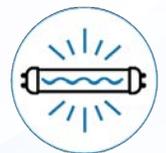
Type/Rating	HEPA
Efficiency@ 3-10 Micron	99.99%
Initial Resistance [inWG]	1.35
Filter Size [in]	24 x 24 x 11.5
Filter Area [Sq. Ft]	286
Rated Air Flow [CFM]	2000

## Bi-Polar Ionizer



Type	Needle Bipolar
Ion Output [ions/cc]	100 Million
Ion Power [W] 10	
UL 2998	Zero Ozone Emissions

## Ultraviolet Germicidal



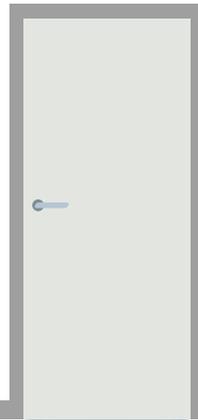
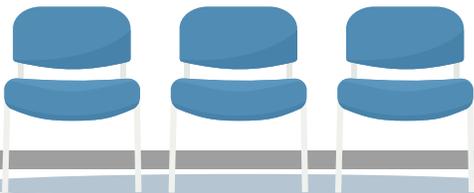
System Type	Ultraviolet Germicidal Irradiation
Wavelength	254 nanometers
Lamp Power [W]	204
Bulb Type & Life	High Output, 10,000 Hours



Motor Controls Inc.  
10661 Newkirk St.  
Dallas, TX 75220  
+1 (800) 735-1097  
motorcontrols.com



A Deep Breath of  
**HEALTHY AIR**



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