

# AERA MAX<sup>®</sup>

## PROFESSIONAL



CLEAN THE AIR WE SHARE

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**AERA MAX**  
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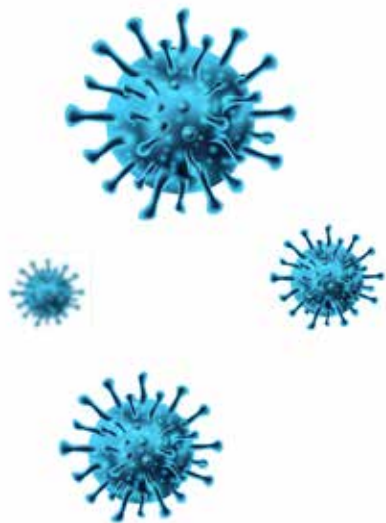
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# The Rapid Global Spread Of Covid-19

has increased our urgency to protect ourselves and each other. Healthy and safe facilities matter now, more than ever.



## The Airborne Threat is Real

Global healthcare experts and virologists agree: airborne, aerosol transmission of viruses poses a significant threat.

- The Centers for Disease Control (CDC) found that COVID-19 can travel up to 13 feet in the air<sub>1</sub>
- The New England Journal of Medicine reported the virus can remain suspended in air for up to 3 hours<sub>2</sub>
- Research in The Netherlands found the typical 6-foot social distancing measurement between people to be ineffective... and recommended spacing of up to 65 feet (20 meters)<sub>3</sub>

## How People are Infected

Study after study proves there are two transmission routes.

- A person can become infected through direct contact with a person or object carrying the virus.
- By air, with two transmission methods:
  - Airborne transmission via large droplets (> 10 microns) when people cough or sneeze (3-6ft risk)
  - Airborne transmission through small particles (<5 microns) also generated by coughing/sneezing/talking

Sources:  
1 [https://wwwnc.cdc.gov/eid/article/26/7/20-0885\\_article](https://wwwnc.cdc.gov/eid/article/26/7/20-0885_article)  
2 <https://www.nejm.org/doi/full/10.1056/NEJMc2004973>  
3 <https://medium.com/@jurgenthoele/belgian-dutch-study-why-in-times-of-covid-19-you-can-not-walk-run-bike-close-to-each-other-a5df19c77d08>

# A Complete Hygiene Solution

A proactive approach must consist of three essential components for protection against virus transmission in shared environments.



## We Need to Clean the Air

ASHRAE, the world's largest association dedicated to the subject of ventilation and air quality (HVAC), published a statement regarding transmission of SARS-CoV-2 and the operation of HVAC systems during the COVID-19 pandemic which opened with:

**"Transmission of SARS-CoV-2 through the air is sufficiently likely that airborne exposure to the virus should be controlled."**

## It Doesn't Stop at Viruses

The average person inhales 3,000 gallons of indoor air **every day**, with most people spending **90%** of their time indoors and nine hours per day in shared environments-spaces that are up to five times more polluted than outdoors.



Viruses / Bacteria



Allergens



VOCs



Odors

\*Source: EPA



# PROTECT WHAT MATTERS



## Your patients and visitors in MEDICAL FACILITIES

Poor air quality can lead to the airborne transmission of bacteria and viruses. In waiting rooms and consultation rooms in medical facilities the air must be cleaned in addition to surface and hand cleaning.



## Your employees in CORPORATE OFFICES

Office buildings are a prime example of a space that we share for upwards of 9 hours every day and have a constant flow of visitors, vendors and employees who bring viruses, germs and pathogens into the workplace with them. Couple that with odors from food left in wastebaskets, conference rooms and common areas and it's an IAQ hot spot.



## Your patients and employees in DENTAL FACILITIES

The dental profession is notorious for poor air quality, with labs brimming with dust from molding and grinding appliances, and dental practices teeming with germs and bacteria from patient procedures. How bad is it? The dental profession has five of the top ten unhealthiest occupations, according to the U.S. Department of Labor.



## Your students and staff in CLASSROOMS AND DAYCARE FACILITIES

Common areas and classrooms are breeding grounds for germs—and young respiratory systems are more susceptible to irritants that can exacerbate childhood allergies and asthma. What's more, facilities staff find it increasingly difficult to effectively clean high-traffic areas rife with bacteria and viruses.



## Your residents and staff in ASSISTED LIVING FACILITIES

The elderly are more vulnerable to viruses and other respiratory illnesses and have the added concern of weakened immune systems. There is also a high amount of visitors and an obvious need to protect the workforce from potential airborne threats.



## Your customers, guests and staff in HOSPITALITY, BEAUTY AND FITNESS FACILITIES

Busy shared air environments where we spend our free time and our money, can be high risk for transmission. Improved indoor air quality is a great way to provide maximum peace of mind for customers and improve brand perception. Hygiene and sanitation is essential in these environments.

# WHY AERAMAX PROFESSIONAL



**EFFECTIVE**  
Proven Performance

**SMART**  
Patented, Responsive Technology

**INTEGRATED**  
A Seamless Addition

**RELIABLE**  
Commercial Grade Durability



# EFFECTIVE

## Proven Performance

The AeraMax Professional four-stage filtration process uses the following proven methods to effectively clean the air

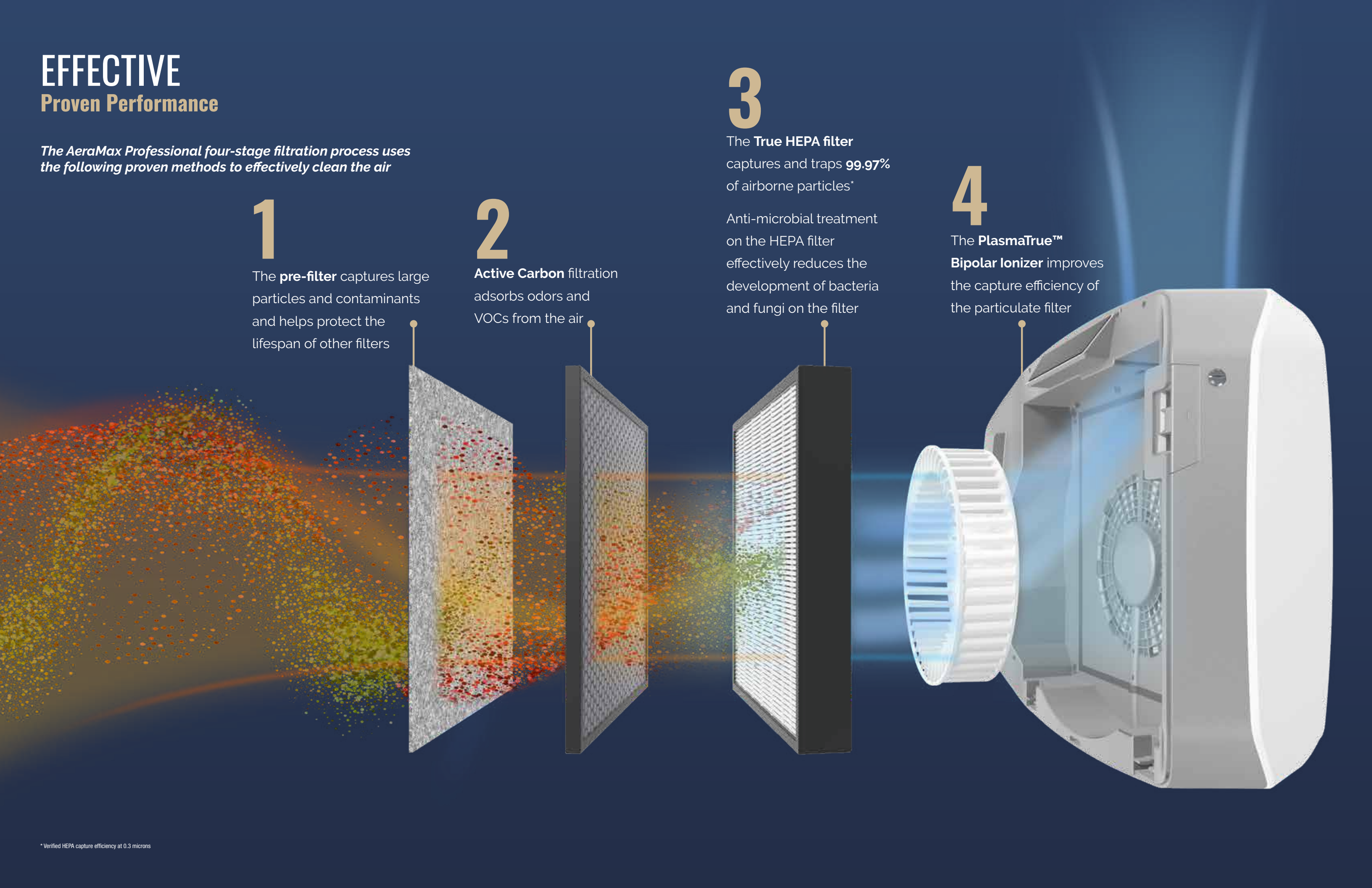
1 The **pre-filter** captures large particles and contaminants and helps protect the lifespan of other filters

2 **Active Carbon** filtration adsorbs odors and VOCs from the air

3 The **True HEPA filter** captures and traps **99.97%** of airborne particles\*

Anti-microbial treatment on the HEPA filter effectively reduces the development of bacteria and fungi on the filter

4 The **PlasmaTrue™ Bipolar Ionizer** improves the capture efficiency of the particulate filter



\* Verified HEPA capture efficiency at 0.3 microns



# SMART

Patented, Responsive Technology



Patented EnviroSmart™ Technology uses dual self-regulating laser sensors to measure sound, motion and air quality

This technology means that AeraMax Professional works hard when it needs to, and shifts to standby when possible, saving energy and extending filter lifespan.

There are two sensing modes:

- Normal Mode: automatically adjusts between all fan speeds to control air quality (ideal for most shared spaces)
- Quiet Mode: uses quieter fan speeds when the space is occupied and all fan speeds when space is unoccupied (ideal where noise could be a concern)



Seeing is believing - the best way to show your facility occupants that you are taking their health seriously is to show them! The Invisible becomes visible with PureView™ technology, a display that allows occupants to see the difference as they feel the difference.

Two high grade laser particle counters monitor air quality as it enters and exists the machine, enabling the screen to show the air quality data in two different display modes:

- Room Status: shows the current air quality in the room and the % of particles being captured in real-time.
- PM2.5: Displays real time the PM2.5 levels entering the unit and being removed in the filtration process.

The screen also showcases VOC/Odor levels and filter change reminders.

**Maximum peace of mind** for your facility users and **maximum visibility** for your facilities team.



# INTEGRATED

A Seamless Addition

The AeraMax Professional was designed to seamlessly integrate into your facility's environment. All models are wall-mountable, unobtrusive and aesthetically pleasing, so you can provide worry-free air purification wherever it's needed most.



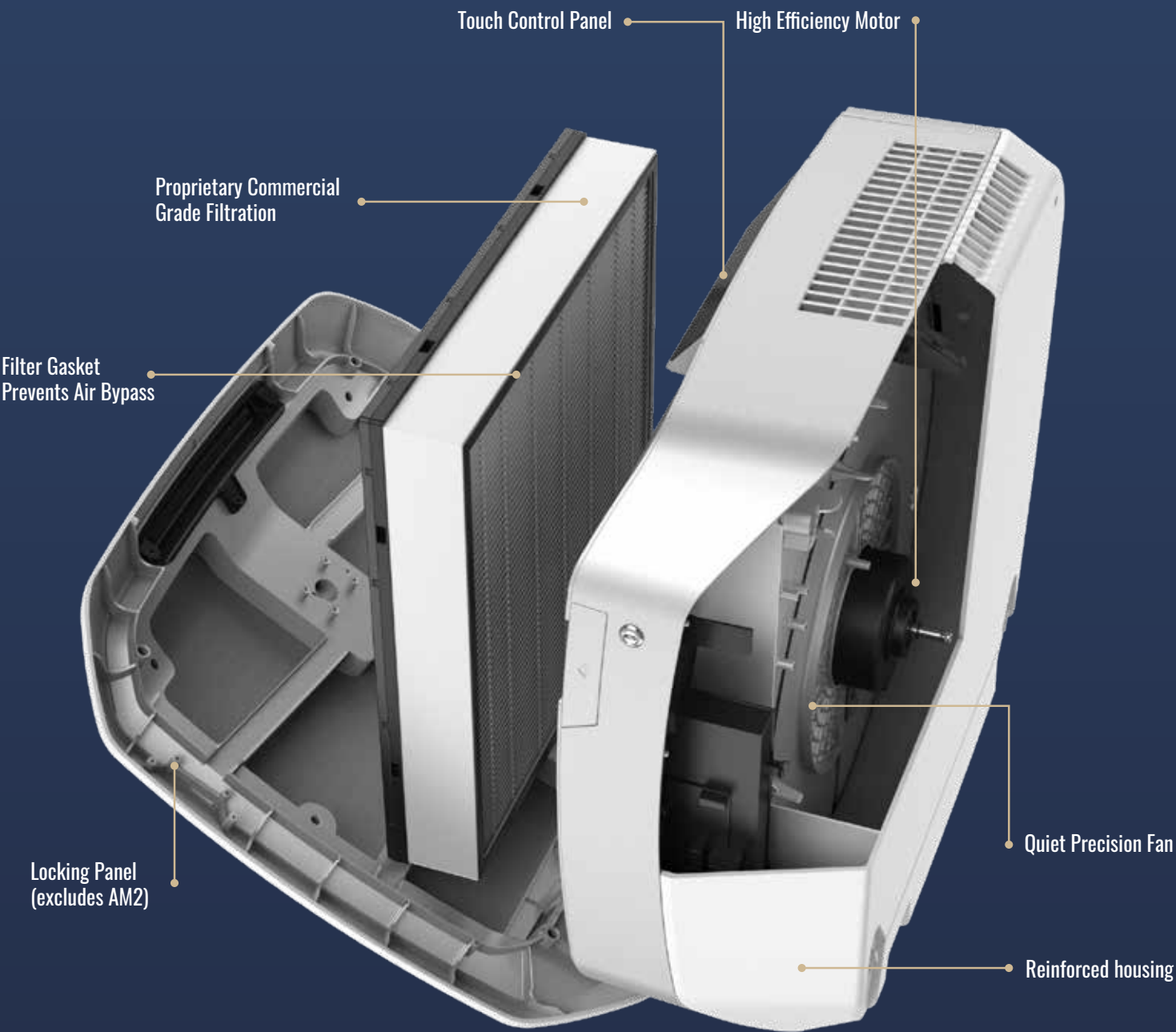
AM 2 - ADA compliant when using recess kit.



# RELIABLE

Commercial Grade Durability

All AeraMax Professional units are built with 24/7/365 operation in mind. That means continual use...and that means they're constructed with superior components, high-grade filters and reinforced housings.

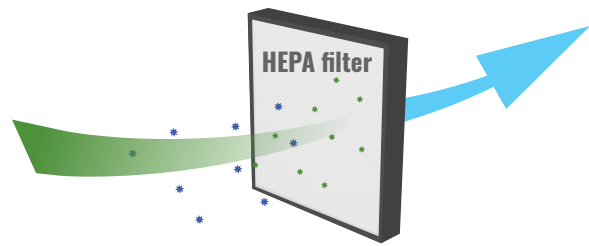


AM 3 & 4 = 5 year warranty  
AM 2 = 3 year warranty



# The AeraMax Professional Difference

## It Starts With Great HEPA Filtration



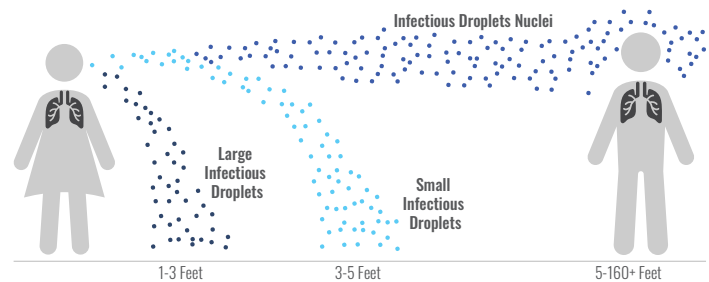
A well-engineered machine is quickly let down if using poor filters. Our True HEPA filters conform to IEST 1.5 HEPA Standard which proves 99.97% at the 0.3 micron size. In addition, our filters can capture more than 97.8% of pollutants at 0.1-0.15 microns, based on IBR Laboratories test data.

## HEPA Stops Filtering Below 0.3 Microns - FALSE

HEPA filters do not work like a sieve. The reality is that HEPA filters can capture ALL particle sizes. Due to the physics of how HEPA filters work (diffusion, interception and impaction), there is often an insignificant drop in filtration efficiency close to 0.3 micron. Filtration efficiency continues at a high % well below this particle size.

## Certified Performance Against Influenza

AeraMax Professional was independently tested and show to remove 99.99% of airborne influenza flu virus within 20-35 minutes of operation



\* <http://www.cdc.gov/flu/about/disease/spread.htm>

## The Experts Agree

**CDC:** "Consider using portable high-efficiency particulate air (HEPA) fan/ filtration systems to help enhance air cleaning (especially in higher risk areas)."

Source: <https://www.cdc.gov/coronavirus/2019-ncov/community/office-buildings.html>

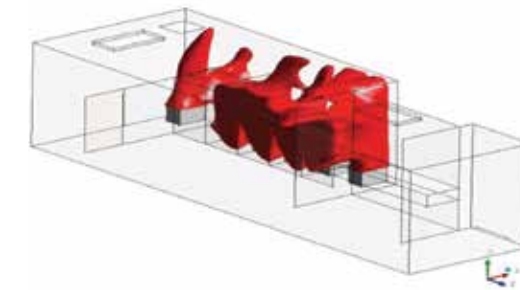
**ASHRAE:** "Add portable room air cleaners with HEPA or high-MERV filters with due consideration to the clean air delivery rate"

Source: ASHRAE Position Document on Infectious Aerosols (April 2020)

# The Science of Clean Air

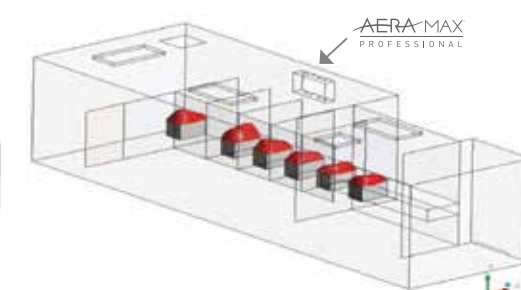
A Computational Fluid Dynamics study demonstrates how AeraMax Professional systems improve air quality by diluting and removing airborne contaminants.

## Contaminant Cloud Without System



- Assumes all six toilets flushing all at once, constantly and stall doors closed

## Contaminant Cloud With System Over Stalls



See the video on [aeramaxpro.com](http://aeramaxpro.com)

- Significant decrease in concentration of contaminant at 2.5 PPM (red)
- Increase in pure air in area directly in front of stalls
- To achieve this with HVAC would require 250% flow rate increase

## Wall Mount Benefits



During our CFD simulation testing we observed significant full room filtration efficiency when wall mounted.

- Solution can be installed closer to the source concern
- Creates whole-room circulation and increases clean air distribution (less obstacles in air path)
- Contaminated air is pulled closer to head height (breathing level) and not from the floor
- Improves efficiency of ACH performance

## Air Changes Per Hour (ACH)

Simply put, ACH is the amount of times we can move the volume of air in a room through our machine. An ACH of 5 means your air is being cleaned every 12 minutes! You should be aiming for 3-5 air changes per hour.



# TESTIMONIALS

## Delivering A Great Guest Experience

### Legoland Discovery Center

Kid-centric LEGOLAND® Discovery Center's restrooms are visited by hundreds or thousands of visitors every day. Keeping them clean is challenging. Air fresheners only mask bathroom odor and do nothing to prevent the airborne germs that accompany them. For a truly clean facility, LEGOLAND® installed AeraMax Professional air purifiers in each of its facility's restrooms, resulting in a significant improvement in key performance indicators (KPI) for facility cleanliness.



**“Clean air helped me deliver a CLEANER facility.”**

Nick Miller, General Manager

## Setting Students Up for Success with Clean Air

### Hinsdale Middle School

When a series of architectural changes at Hinsdale Middle School caused indoor air quality (IAQ) issues, Director of Operations at Community Consolidated School District 181, Mike Vilendrer, turned to AeraMax Professional. Eight months after installation in a science lab, an art room, a classroom and the band room, the problems vanished into clean air—with one art teacher noting a significant drop in absences compared to past years.

**“The indoor air quality issues we were having completely went away.”**

Mike Vilendrer, Director of Operations,  
Community Consolidated School District 181

## Little Lungs Need AeraMax Professional

### Tiny Sprouts Early Childhood Center

Catering to 60 children—from infants to Pre-K—every day, Tiny Sprouts Early Childhood Center in Rutherford, NJ had a significant germ and odor problem that was unsolved by traditional cleaning methods. So, Director Emily Sousa installed AeraMax Professional units throughout the school. The impact was immediate. And dramatic. “We’ve seen a significant difference in air quality,” Sousa says. “In the morning, the room smells fresh and there’s a complete difference in the way it feels.” What’s more, the new air purification routine paid additional dividends. Parents from other schools switched their children to Tiny Sprouts specifically because of its stance on cleanliness, health and safety, as well as the installation of the AeraMax Professional units.

**“We were able to solve on-going problems with odors and germs.”**

Emily Sousa, Owner and Director



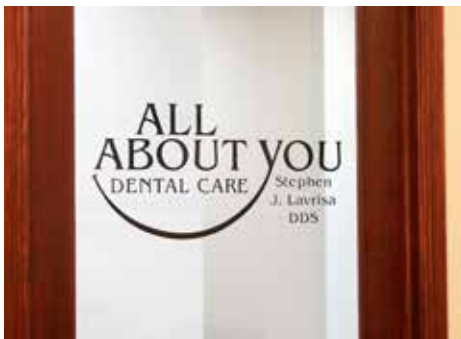
## A Visibly Cleaner Environment

### All About You Dental Care

Dr. Stephen Lavrisa wanted to provide a clean and healthy environment for his patients and staff—but typical HEPA HVAC filters just weren't cutting it. He didn't know whether they truly worked and noticed that the bulky, retrofitted filters restricted the airflow of his HVAC system, causing the system to work overtime. Enter AeraMax Professional. Lavrisa installed eight units throughout his facility and noticed an immediate—and visible—difference. Dust didn't collect on surfaces, and particulate matter that typically landed on surfaces by the end of the day were out of sight. The bonus: a healthier environment for all involved.

**“I know that it’s cleaner, because I don’t see dust and particles on the countertops. I know my air quality is better.”**

Dr. Stephen Lavrisa.





# THE LINEUP



## AERAMAX PRO 4

The right size for large spaces

The AeraMax Professional 4 is the largest of our commercial grade air purification systems and will deliver an air change every 20 minutes in rooms up to 1100 square feet. Multiple units can be used for larger spaces making it the ideal solution for open office layouts, large conference rooms and many large shared air spaces.



## AERAMAX PRO 3

The perfect fit for most rooms

Our AeraMax Professional 3 is perfect for most rooms, providing up to 3 air changes every hour in rooms as large as 550 square feet. It's ideal for offices, conference rooms, classrooms, restrooms, waiting rooms and enclosed shared spaces..

## AERAMAX PRO 2

Small. But big.

The super slim design of the AeraMax Professional 2 makes it the perfect fit for smaller spaces, offering 3-5 air changes per hour in shared indoor spaces between 150 and 250 square feet. It's ideal for smaller examination rooms, narrow hallways and small public restrooms.



# SPECIFICATIONS

# FILTER SOLUTIONS



AERAMAX PRO 2



AERAMAX PRO 3 PC



AERAMAX PRO 4 PC

Smart Technology	EnviroSmart Technology	PureView Technology EnviroSmart Technology	PureView Technology EnviroSmart Technology
Area Coverage	150 Square Feet (5 ACH) 250 Square Feet (3 ACH)	300 Square Feet (5 ACH) 550 Square Feet (3 ACH)	650 Square Feet (5 ACH) 1100 Square Feet (3 ACH)
No. of Fan Speeds	5	5	5
Airflow (CFM)	35, 43, 51, 64, 100	76, 93, 112, 140, 220	153, 186, 224, 280, 440
Sound Pressure Levels (dB)	45, 48, 51, 60, 64	38, 41, 48, 52, 67	42, 44, 51, 53, 68
System Dimensions (HxWxD)	22.6" x 14" x 4.1" (566 x 348 x 102mm)	19.6" x 20.9" x 9" (499 x 531 x 228 mm)	19.6" x 34.7" x 9" (499 x 881 x 228 mm)
System Weight	10.6 lbs. (4.8kg)	20 lbs. (9.1kg)	35 lbs. (15.1 kg)
Power Consumption (W)	5, 7, 11, 33, 55	5, 8, 11, 21, 100	8, 12, 18, 35, 166
Energy Star Certified	Yes	Yes	Yes
Power Requirements	120v, 60Hz, 2A	120v, 60Hz, 2A	120v, 60Hz, 2A
Electical Safety Certification	UL	UL	UL
Air Intake / Outlet	Sides / Top	Bottom / Top	Bottom / Top
Control Panel	Capacitive Touch	Capacitive Touch & TFT LCD PureView Screen	Capacitive Touch & TFT LCD PureView Screen
Housing Material	UV Stabilized ABS	UV Stabilized ABS	UV Stabilized ABS
Operating Temperature	50-104°F (10°C-40°C)	41-104°F (5°C-40°C)	41-104°F (5°C-40°C)
Operating Humidity	Up to 60% RH	Up to 60% RH	Up to 60% RH
Warranty	3 Year Limited	5 Year Limited	5 Year Limited

## CONFIGURATIONS

Wall Mount			
Installation Method	Wall mouted (plate) with plug	Wall mounted hard wired	Wall mounted hard wired
Model Name Item code	AM2 57AMX9416101	AM3 PC 57AMX9573001	AM4 PC 57AMX9573101
Floor Stand			
Installation Method	Floor Stand Accessory 58AMX9540901	Plug (power outlet)	Plug (power outlet)
Model Name Item code	Recess Kit Accessory (Hard Wired Install) 58AMX9540801	AM3S PC 57AMX9573201	AM4S PC 57AMX9573301



Filters for AeraMax AM3 & 4 Models	Hybrid Filter	Pre-Filters
Filter Type	2" filter containing 50% Carbon & 50% True HEPA	Replacement Pre-Filter
HEPA Filter Media	Approx. 14 sq ft.	NA
Antimicrobial Treatment	Yes (True HEPA)	No
Active Carbon Weight	Approx. 4lb.	NA
Estimated Filter Life	12 Months	6-12 Months
Pack Size	2 Pack (ships with pre-filters)	4 Pack
Item Numbers	58AMX9436902	58AMX9600501



Filters for AeraMax AM2 Model	Standard Filter Configuration	Pre-Filters
Filter Type	1¾" filter containing 50% Carbon & 50% True HEPA	Replacement Pre-Filter
HEPA Filter Media	Approx. 5.4 sq ft.	NA
Antimicrobial Treatment	Yes (True HEPA)	No
Active Carbon Weight	Approx. 0.75lb.	NA
Estimated Filter Life	12 Months	6-12 Months
Pack Size	1 Pack	4 Pack
Item Numbers	58AMX9544501	58AMX9608401





To learn more about AeraMax® Professional products, watch customer testimonials and get further technical information and more visit us at **aeramaxpro.com** or call **1-800-477-7940**.

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