

# Fellowes®

AIR PURIFIERS



## CLEAN THE AIR WE SHARE

Creating safe and healthy environments for  
caregivers, staff, patients and visitors alike.

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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 <sup>1</sup>

The New England Journal of Medicine reported the virus can remain suspended in air for up to 3 hours <sup>2</sup>

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) <sup>3</sup>

## 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:

<sup>1</sup> [https://wwwnc.cdc.gov/eid/article/26/7/20-0885\\_article](https://wwwnc.cdc.gov/eid/article/26/7/20-0885_article)

<sup>2</sup> <https://www.nejm.org/doi/full/10.1056/NEJMc2004973>

<sup>3</sup> <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.



Washing Your Hands



Sanitizing Surfaces



Cleaning The Air

## 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.



\*Source: EPA



Viruses /  
Bacteria



Allergens



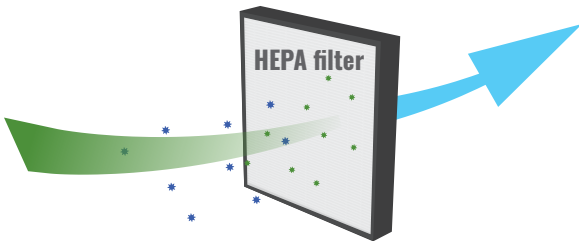
VOCs



Odors

# The AeraMax Professional Difference

## It Starts With Great HEPA Filtration



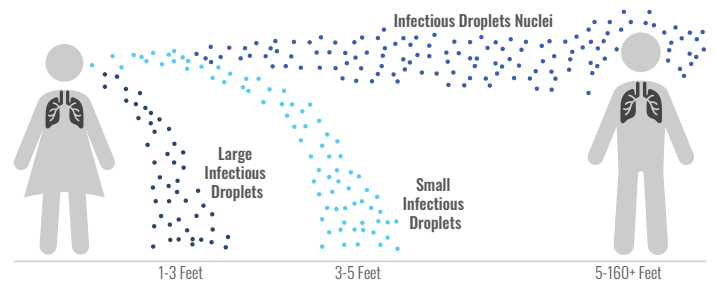
A well-engineered machine is quickly let down if using poor filters. Our True HEPA filters conform to IEST 1.5 HEPA Standard which proves 99.97% at the 0.3 micron size. In addition, our filters can capture more than 97.8% of pollutants at 0.1-0.15 microns, based on IBR Laboratories test data.

## 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)

# Why AeraMax Professional



**EFFECTIVE**  
Proven Performance

**INTEGRATED**  
A Seamless Addition

**SMART**  
Patented, Responsive Technology

**RELIABLE**  
Commercial Grade Durability

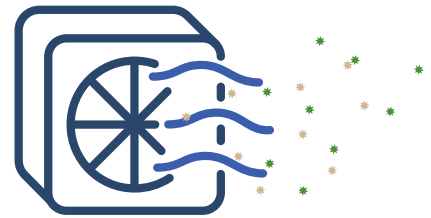
# Why Localized Air Purification Systems?

## HVAC systems recirculate

**HVAC systems work because they recirculate air<sup>1</sup>. But they don't do a thing about cleaning the air.** But they don't do a thing about cleaning the air. Filters can trap substantial particles, but things like volatile organic compounds (VOCs), germs, bacteria, and allergens pass right through typical HVAC filters. That doesn't alleviate the problem of poor air quality inside buildings.

Installing HEPA filters in existing HVAC systems won't improve building air quality. HEPA filters explicitly designed for HVAC systems are bulky. While they do a better job of trapping germs in the direct area near the intake, these thick filters drag down HVAC efficiency, significantly reducing airflow. HVACs need to work harder, break down more often, and still not solve the poor air quality problem. Lastly, the modifications to existing HVAC systems do nothing for areas that aren't near intakes.

Most importantly, **HVAC systems spread germs farther and faster through recirculation<sup>2</sup>. In essence, HVAC systems are air movers, not air improvers.** There just isn't enough efficiency in HVAC systems because they are designed first and foremost to push air throughout buildings.



HVAC systems spread dust and other contaminants farther and faster through recirculation.

**In essence, HVAC systems are air movers, not air improvers.**

## For improvement in IAQ, focus on cleaning instead of moving the air

This can be done by installing air purifiers AeraMax Pro. These commercial-grade systems use hospital-type True HEPA filtration to effectively, quickly and efficiently remove 99.97 percent of airborne contaminants, like germs, bacteria, smoke, odors, allergens and VOCs, from indoor air. The four-stage filtration systems work automatically, because the units sense when poor air is present, adjusting to remove the bad air.

AeraMax Pro's variety of units to accommodate a variety of room sizes—and even have portable units so specific areas can be targeted on the fly, by moving the purifier into offending areas.



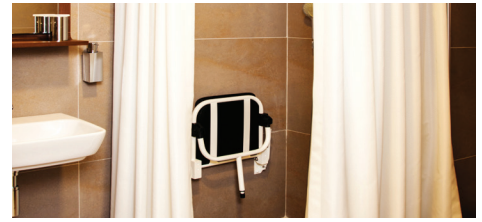
Sources:

1 Science Direct; Engineering; Recirculated Air. <https://www.sciencedirect.com/topics/engineering/recirculated-air>

2 National Research Council. Green Schools: Attributes for Health and Learning. Washington, DC: The National Academies Press. <https://doi.org/10.17226/11756>.



# CLEAN AIR, CLEANER ASSISTED LIVING FACILITY



## Protect Against Cold & Flu

Shared spaces inherently foster disease transmission from person to person because they are in a group setting in close contact. Removing the Influenza virus & Rhinovirus from the air can protect patients.

## Complete Germ Protection

Complement hand sanitation and daily surface cleaning with air cleaning to remove the harmful viruses and germs that patients and staff inhale.

## Captures 99.9% of Airborne Contaminants\*

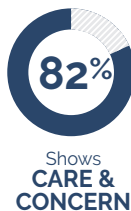
True HEPA filters capture allergens, tobacco smoke and other pollutants that can trigger or worsen Chronic Lower Respiratory Disease.

\*True HEPA filters capture 99.9% of airborne contaminants as small as 0.3 microns

## Drive Customer Preference

Air purification is a visible cue of a superior cleaning regimen, shows care for patrons and creates a preference for the facility.

How likely would having an air purifier give you the following impressions?



## STRONG POSITIVE IMPRESSION

Of assisted living facility decision makers surveyed, cleanliness ranks #2 in importance—even above price. Air purifiers create a strong, positive impression.

Source: AeraMax Pro Omnibus Survey, July 2015, Assisted living facility decision makers (n=83)

## CLEAN THE AIR TO PROTECT YOUR RESIDENTS

While we don't usually give much thought to indoor air quality, we should. The air we breathe indoors is up to five times more polluted than outdoor air.

Shared spaces, like assisted living facilities are breeding grounds for bacteria, viruses, dust and allergens, and harsh chemicals and odors. Crowded common areas can increase risk of cross-contamination among residents.

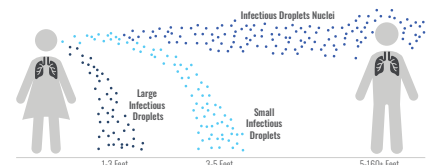
"Virus Transmission in Indoor Air", Steven Welty CAFS, CIE, LEED AP, <http://www.cdc.gov/nchs/fastats/physician-visits.htm>

The CDC suggests that **FLU VIRUSES ARE SPREAD** mainly by droplets made when people cough, sneeze or talk.



**PEOPLE 65 YEARS AND OLDER** are at greater risk of serious complications from the flu.

CDC suggests that most flu viruses are spread mainly by droplets made when people with the flu cough, sneeze or talk and **AIR IMPURITIES CAN TRAVEL GREAT DISTANCES.**



**PEOPLE AGE 65 - 74** are more likely to report they have Chronic obstructive pulmonary disease (COPD). **COPD** has surpassed stroke as the third leading cause of death in the US with major risk factors being indoor air pollutants and allergens.

# SPECIFICATIONS



**AERAMAX PRO 2**



**AERAMAX PRO 3 PC**



**AERAMAX PRO 4 PC**



**AERAMAX PRO 3**



**AERAMAX PRO 4**

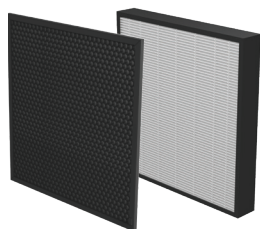
Smart Technology	EnviroSmart Technology	PureView Technology EnviroSmart Technology	PureView Technology EnviroSmart Technology	EnviroSmart Technology	EnviroSmart Technology
Area Coverage	150 Square Feet (5 ACH) 250 Square Feet (3 ACH)	300 Square Feet (5 ACH) 550 Square Feet (3 ACH)	650 Square Feet (5 ACH) 1100 Square Feet (3 ACH)	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	5	5
Airflow (CFM)	35, 43, 51, 64, 100	76, 93, 112, 140, 220	153, 186, 224, 280, 440	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	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)	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)	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	5, 8, 11, 21, 100	8, 12, 18, 35, 166
Energy Star Certified	Yes	Yes	Yes	Yes	Yes
Power Requirements	120v, 60Hz, 2A	120v, 60Hz, 2A	120v, 60Hz, 2A	120v, 60Hz, 2A	120v, 60Hz, 2A
Electrical Safety Certification	UL	UL	UL	UL	UL
Air Intake / Outlet	Sides / Top	Bottom / Top	Bottom / Top	Bottom / Top	Bottom / Top
Control Panel	Capacitive Touch	Capacitive Touch & TFT LCD PureView Screen	Capacitive Touch & TFT LCD PureView Screen	Capacitive Touch	Capacitive Touch
Housing Material	UV Stabilized ABS	UV Stabilized ABS	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)	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	Up to 60% RH	Up to 60% RH
Warranty	3 Year Limited	5 Year Limited	5 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	Wall mounted hard wired	Wall mounted hard wired
Model Name	AM2	AM3 PC	AM4 PC	AM3	AM4
Item code	9416101	9573001	9573101	9416201	9416301
Floor Stand					
Installation Method	Floor Stand Accessory 9540901	Plug (power outlet)	Plug (power outlet)	Plug (power outlet)	Plug (power outlet)
Model Name	Recess Kit Accessory (Hard Wired Install)	AM3S PC	AM4S PC	AM3S	AM4S
Item code	9540801	9573201	9573301	9450001	9451201



# FILTER SOLUTIONS



Filters for AeraMax AM3 & 4 Models	Standard Filter Configuration	Hybrid Filter	Full Carbon Filter (High Odor/VOC)	Pre-Filters
Filter Type	3/8" Carbon Filter (w/pre-filter) 2" True HEPA	2" filter containing 50% Carbon & 50% True HEPA	2" Carbon Filter (w/pre filter)	Replacement Pre-Filter
HEPA Filter Media	Approx. 27 sq ft.	Approx. 14 sq ft.	NA	NA
Antimicrobial Treatment	Yes (True HEPA)	Yes (True HEPA)	No	No
Active Carbon Weight	Approx. 1lb.	Approx. 4lb.	Approx. 6lb.	NA
Estimated Filter Life	3/8" Carbon: 6 Months 2" True HEPA: 12 Months	12 Months	12 Months	6-12 Months
Pack Size	3/8" Carbon: 4 Pack 2" True HEPA: 2 Pack	2 Pack (ships with pre-filters)	2 Pack	4 Pack
Item Numbers	3/8" Carbon: <a href="#">9416502</a> 2" True HEPA: <a href="#">9416602</a>	<a href="#">9436902</a>	<a href="#">9436802</a>	<a href="#">9600501</a>



Filters for AeraMax AM2 Model	Standard Filter Configuration	Full True HEPA Filter	Full Carbon Filter (High Odor/VOC)	Pre-Filters
Filter Type	1 3/4" filter containing 50% Carbon & 50% True HEPA	1 3/4" True HEPA filter	1 3/4" Carbon Filter	Replacement Pre-Filter
HEPA Filter Media	Approx. 5.4 sq ft.	Approx. 12.3 sq ft.	NA	NA
Antimicrobial Treatment	Yes (True HEPA)	Yes	No	No
Active Carbon Weight	Approx. 0.75lb.	NA	Approx. 1.5lb.	NA
Estimated Filter Life	12 Months	12 Months	12 Months	6-12 Months
Pack Size	1 Pack	1 Pack	1 Pack	4 Pack
Item Numbers	<a href="#">9544501</a>	<a href="#">9544301</a>	<a href="#">9544601</a>	<a href="#">9608401</a>



To learn more about AeraMax® Professional products, watch customer testimonials and get further technical information, and more, visit us at [aeramaxpro.com](http://aeramaxpro.com) or call 1-800-477-7940.

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