

**Fellowes**  
AIR PURIFIERS

# ASSISTED LIVING SOLUTIONS



# The Airborne Threat is Real

Reopening safely begins with responsible steps to protect ourselves and each other. COVID-19 spreads in the air when we speak, laugh, cough, and sneeze. Now more than ever, your protective efforts must include safeguarding what people breathe. Fellowes can help!



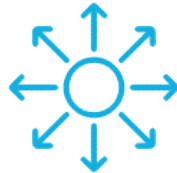
## COVID-19 IS AN AIRBORNE THREAT

Experts agree: using air purifiers with true HEPA filtration reduces the threat of transmission



"The particles can also linger in the air after a person has left the room – they can remain airborne for hours in some cases."<sup>1</sup>

EPA



"Respiratory aerosols can accumulate indoors in rooms with low ventilation or poor filtration"<sup>2</sup>

*Lancet COVID-19 Commission, March 2021*



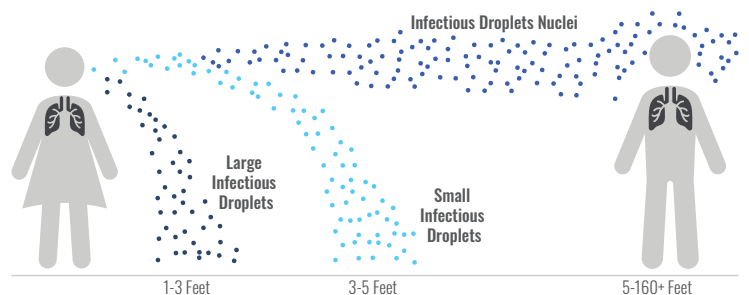
"Portable HEPA air cleaners can reduce exposure to simulated SARS-CoV-2 aerosols in indoor environments"<sup>3</sup>

*CDC, July 2021*

## How People are Infected

Study after study proves viruses can be spread through air via 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://www.epa.gov/coronavirus/indoor-air-and-coronavirus-covid-19>

2. <https://assets.fellowes.com/skins/fellowes/responsive/us/en/products/airpurifiers/assets/images/healthy-air/Lancet.pdf>

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

# REMOVES OVER 99.99% OF COVID-19<sup>†</sup>

In a recent test, Fellowes AeraMax Pro AM3 & AM4 air purifiers demonstrated to eliminate COVID-19<sup>†</sup>, using a combination of smart and integrated technologies—only from Fellowes.

The AeraMax Pro AM3 and 4 air purifiers were evaluated in extreme laboratory operating conditions, certainly much more critical and difficult than the real environmental situation. This situation was purposely designed since it is necessary to test the effectiveness of similar sanitizing devices in critical conditions to guarantee their effective performance. Despite the extreme conditions used, the Fellowes air purification technology was able to neutralize the airborne viral load.

Additionally, SARS-CoV-2 mutations do not affect dynamics of its spreading by aerosol particles. As the particulate would remain the same size **regardless of the variant**, this testing demonstrates AeraMax AM3 & AM4 effectively removes over 99.99% of aerosolized COVID-19 particles.

—Alberto Izzotti, MD, PhD

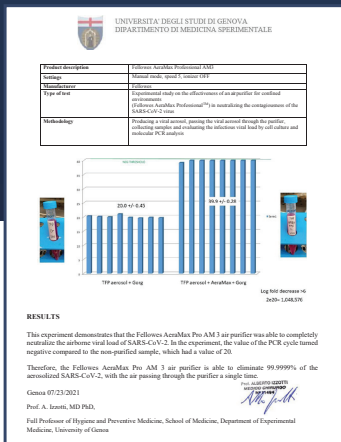
Full Professor of Hygiene, Preventative Medicine, and Public Health  
Department of Experimental Medicine at University of Genoa,  
School of Medicine, where the Fellowes test was conducted.



Fellowes continues to illustrate the effectiveness of the AeraMax Pro line of commercial air purifiers by utilizing independent testing and third-party standards to prove our performance. Fellowes is committed to expanded testing with fully accredited and independent labs.

» Go to our Research page for more details at [Fellowes.com/air](https://www.fellowes.com/air)

†Fellowes AeraMax Pro AM3 & AM4 air purifiers demonstrated, through independent laboratory testing, to be effective in eliminating aerosolized concentration of SARS-CoV-2 by 99.9999% through a single air pass test of the purifier. In addition, AeraMax Pro air purifiers reached 99.99% airborne reduction of a surrogate Human Coronavirus 229E in a 20m3 test chamber within 1 hour of operation in a separate test.



## SARS-CoV-2

Fellowes AeraMax Pro AM3 & AM4 air purifiers demonstrated, through independent laboratory testing, to be effective in eliminating aerosolized concentration of SARS-CoV-2 by 99.9999% through a single air pass test of the purifier.

**Test Summary**

The following products have been tested by Shanghai WEIPU Chemical Technology Service Co., Ltd as outlined in reports(1): WP-20118805-01-0201; WP-20118805-01-0201; WP-20118805-01-0201; WP-20118805-01-0201; WP-20118805-01-0201.

Report No.	Product	With the Filter	Antiviral Activity Rate (%)
WP-20118805-01-0201	AeraMax Pro AM3	Hybrid Filter	>99.99%
WP-20118805-01-0201	AeraMax Pro AM4/3/PC	Pre-Filter+Carbon+HEPA Filter	>99.99%
WP-20118805-01-0201	AeraMax Pro AM4/3/PC	Pre-Filter+Hybrid Filter	>99.99%
WP-20118805-01-0201	AeraMax Pro AM4/3/PC	Pre-Filter+Carbon+HEPA Filter	>99.99%
WP-20118805-01-0201	AeraMax Pro AM4/3/PC	Pre-Filter+Hybrid Filter	>99.99%

Shanghai WEIPU Chemical Technology Service Co., Ltd  
Building 10, Building 10, Yangpu Urban Industrial Park, Lane 105, Guoding Road,  
Yangpu District, Shanghai (200430) www.waipugroup.com

## CORONAVIRUS

Fellowes AeraMax Pro air purifiers were demonstrated through independent laboratory testing to be effective in reducing aerosolized airborne concentrations of a surrogate Human Coronavirus 229E in a 20m3 test chamber within 1 hour of operation.



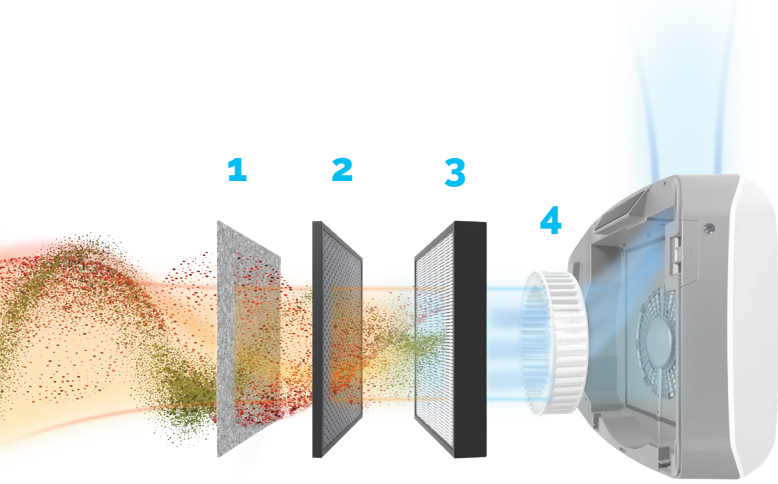
## H1N1

The Fellowes AeraMax Pro AM3 and AM4 air purifiers have been shown to remove 99.99% of airborne virus within 35 minutes of operation.

# The AeraMax Pro Difference

## It Starts With Great HEPA Filtration

A well-engineered machine is quickly let down if using poor filters. Our AeraMax Pro AM3 and AM4 units with H13 True HEPA filters capture at least 99.95% of particles as small as 0.1 microns, including allergens, such as pollen, dust, pet dander, and smoke.



The four stage filtration process:

1. **Pre-Filter** captures large particles
2. **Active Carbon** filtration adsorbs odors and VOCs from the air
3. **H13 True HEPA filter** captures up to 99.95% of particles as small as 0.1 microns
4. **PlasmaTrue™ Bipolar Ionizer** improves the capture efficiency of the particulate filter

## Localized Air Purification Benefits Beyond COVID-19

Indoor Air is  
**2-5x**  
**DIRTIER**  
than Outdoor Air



**Bacteria**

*Despite flu shots and hand sanitization, Americans still catch about one billion colds and 60 million flu cases annually.*



**Allergens & Asthma Triggers**

*Approximately 20% of all people are impacted with allergies.*

*Asthma impacts 1 out of every 10 children.*



**Odors**

*The presence of odors can reflect negatively on your facility.*

*Odors from bathrooms, lunchrooms, stale air and more are primary complaint drivers for building managers.*



**Pollution & Volatile Organic Compounds (VOCs)**

*Paints, cleaning supplies, office equipment and more can contain VOCs that can travel deep into the lungs and cause lasting damage.*

*Effects of smoke in the air (such as wildfire and cigarette smoke) include coughing, irritated sinuses, chest pains, fatigue, and shortness of breath.*



## The Experts Agree

Use portable high-efficiency particulate air (HEPA) fan/filtration systems to enhance air cleaning" —CDC 6.2.21

<https://www.cdc.gov/coronavirus/2019-ncov/community/ventilation.html>

# Why AeraMax Pro

## Smarter Air Purifiers

A unique combination of patented technologies provides superior performance



## SMART

Smart sensors respond automatically to air quality and room occupancy



## EFFECTIVE

Built-in display shows real time air quality status



## RELIABLE

Engineered for long-term use and backed-up by a no hassle three or five year warranty

## INTEGRATED

Wall-mount designed for seamless integration in any space. Floor stand option for quick and flexible integration

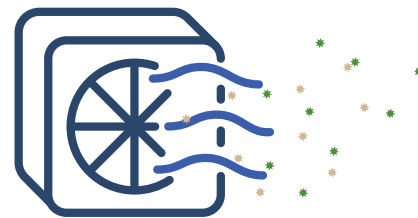
# Why Localized Air Purification Systems?

## HVAC systems recirculate

**HVAC systems work because they recirculate air<sup>1</sup>. But they don't do a thing about cleaning the air.** 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. These commercial-grade systems use H13 True HEPA filters (AM3 and AM4) and capture up to 99.95% of particles as small as 0.1 microns. AeraSafe™ antimicrobial treatment applied to the True HEPA filter inhibits the growth of odor and stain-causing microorganisms, extending the filter lifespan. 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 can 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



## Clean The Air To Protect Your Residents

Shared spaces, like assisted living facilities are breeding grounds for bacteria, viruses, dust, allergens, harsh chemicals and odors. Common rooms like TV or game rooms are great places for residents to socialize. The problem is that the close proximity of people in these rooms means the exchange of germs. Adding in air purifiers helps eliminate virus transmission by increasing the air changes per hour. 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>  
<https://www.cdc.gov/copd/basics-about.html>

Exposure to air pollutants in the home and workplace can play a role in the development of COPD. According to the CDC, people should try to avoid inhaling tobacco smoke, home and workplace air pollutants, and respiratory infections to prevent developing COPD.



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



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.

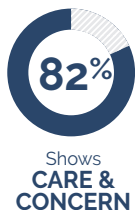
## Complete Germ Protection

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

## 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.

According to Everyday Health, respiratory issues are the fourth-largest health concern for seniors and the third-largest cause of death among the elderly.

<https://www.everydayhealth.com/news/most-common-health-concerns-seniors/>  
AeraMax Pro Omnibus Survey, July 2015, Assisted living facility decision makers (n=83)



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

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