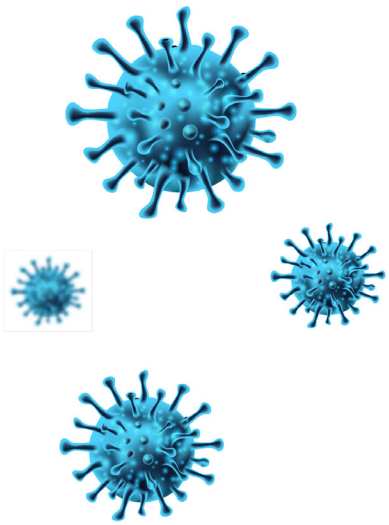
Fellowes
AIR PURIFIERS

EDUCATION SOLUTIONS

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

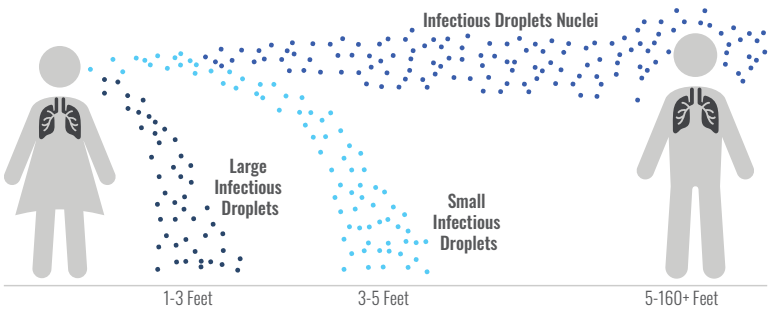
Global healthcare experts and virologists agree: airborne, aerosol transmission of viruses poses a significant threat.

- The Centers for Disease Control (CDC) found that COVID-19 can travel up to 13 feet in the air[1]
- The New England Journal of Medicine reported the virus can remain suspended in air for up to 3 hours[2]

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://wwwnc.cdc.gov/eid/article/26/7/20-0885_article
2 https://www.nejm.org/doi/full/10.1056/NEJMc2004973

MAXIMUM VIRUS PROTECTION

Fellowes® AeraMax® Pro Air Purifiers Remove Airborne Contaminants

including coronavirus*, using a combination of smart and integrated technologies – only from Fellowes.

For months, the CDC, ASHRAE, and 'healthy building' scientific advocates have recommended portable air cleaners using HEPA filtration for protection against SARS-Cov-2. Fellowes® AeraMax® Pro air purifiers' four-stage True HEPA filtration system proved to be effective in reducing the aerosolized airborne concentration of Human Coronavirus 229E in a test chamber, reaching 99.99% airborne reduction within one hour of operation.

"These latest test results on the Fellowes AeraMax Pro air purifiers provided by an independent third-party accredited (ISO/IEC 17025) laboratory are significant. I continue to be impressed with the findings on the efficacy of this technology/device by Fellowes."

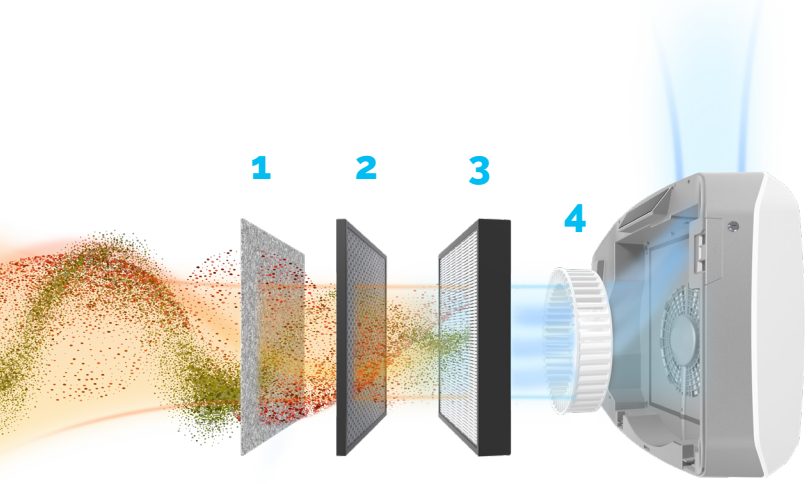
Dr. Rajiv Sahay, Director of Environmental Diagnostics Laboratory at Pure Air Control Services based in Clearwater, Florida

*Fellowes AeraMax Pro air purifiers were demonstrated through independent laboratory testing to be effective in reducing aerosolized airborne concentration of Human Coronavirus 229E in a test chamber, reaching 99.99% airborne reduction within 1 hour 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 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.



The four stage filtration process:

1. **Pre-Filter** captures large particles
2. **Active Carbon** filtration adsorbs odours and VOCs from the air
3. **True HEPA filter** captures small particles as small as 0.15 micron
4. **PlasmaTrue™ Bipolar Ionizer** improves the capture efficiency of the particulate filter

A fallacy: HEPA Stops Filtering Below 0.3 Microns

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 percentage well below this particle size.

It Doesn't Stop at Viruses

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

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

Why AeraMax Pro

Smarter Air Purifiers

A unique combination of patented technologies provides superior performance

99.99% EFFECTIVE* AGAINST CORONAVIRUS

*Fellowes AeraMax Pro air purifiers were demonstrated through independent laboratory testing to be effective in reducing aerosolized airborne concentration of Human Coronavirus 229E in a test chamber, reaching 99.99% airborne reduction within 1 hour of operation.

SMART

Smart sensors respond automatically to air quality and room occupancy

EnviroSmart™

EFFECTIVE

Built-in display shows real time air quality status

PureView™

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

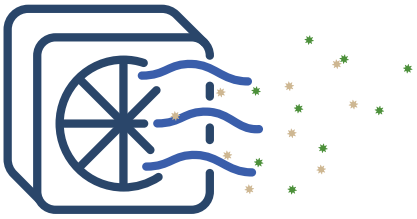
Why Localized Air Purification Systems?

HVAC systems recirculate

HVAC systems work because they recirculate air[1]. But they don't do a thing about cleaning the air. Filters can trap very large 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 designed specifically for HVAC systems are bulky, and 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[2]. 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 ad 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 hospital-type True HEPA filtration to effectively, quickly and efficiently remove 99.97 percent of airborne contaminants, like germs, bacteria, smoke, odours, 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 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.

The Most Prepared Schools Have Fellowes

Protect Against Viruses

Students are more likely to contract viruses from the air. AeraMax Pro captures airborne germs and viruses to help protect students from getting sick and becoming absent.

Complete Germ Protection

Complement existing hand sanitization, hand washing programs and daily surface cleaning with air cleaning to remove the harmful viruses and germs that students and staff inhale.

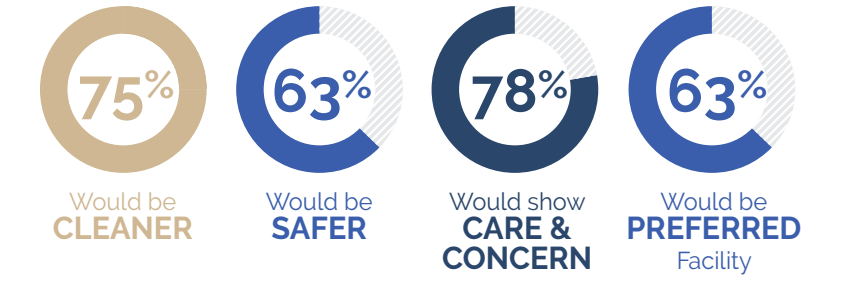
Improved Concentration & Performance

Improved indoor air quality increases productivity and improves mental tasks such as concentration and recall in both adults and children.

Support Sustainability

Fellowes AeraMax Pro removes harmful airborne contaminants from the air without the usage of harsh chemicals, solutions or toxins. Smart technology minimizes electricity consumption and extends filter life.

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



Source:
AeraMax Pro Omnibus Survey, July 2015

To learn more about AeraMax® Pro 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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