AERAMAX®
PROFESSIONAL

flair
supplies group

CLEAN THE AIR WE SHARE

Fellowes

BANKERS BOX

Fellowes Brands, creates innovative solutions that comprehensively promote inspiration, functionality and well-being in the workplace. Our collection of brands provides speciality services and expertise to ensure your people operate, perform and feel their best and your work environment prospers.

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FAMILY BUSINESS
SINCE 2000

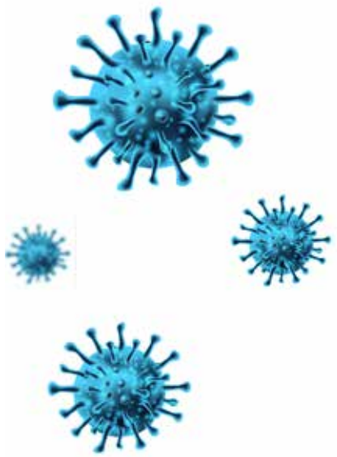
AERAMAX PROFESSIONAL

POSTURITE Because Health Matters

NEOFORMA

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 4m (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]
- Research in The Netherlands found the typical 6-foot social distancing measurement between people to be ineffective...and recommended spacing of up to 20 metres [3]

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 (2m risk)
  - Airborne transmission through small particles (<5 microns) also generated by coughing/sneezing/talking

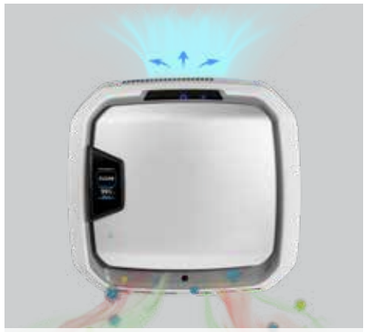
Sources:
1 https://wwwnc.cdc.gov/eid/article/26/7/20-0885_article
2 https://www.nejm.org/doi/full/10.1056/NEJMc2004973
3 https://medium.com/@jurgenthoelen/belgian-dutch-study-why-in-times-of-covid-19-you-can-not-walk-run-bike-close-to-each-other-a5df19c77d08

A Complete Hygiene Solution

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

Washing Your Hands

Sanitising 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 10,800 litres 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

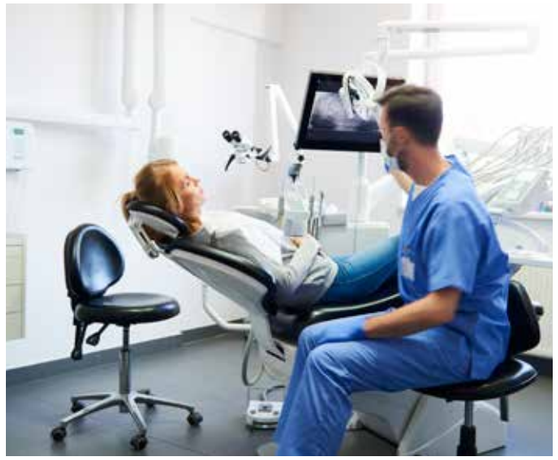
PROTECT WHAT MATTERS

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 odours from food left in waste bins, conference rooms and 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 moulding 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 ELDERLY CARE 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 odours and VOCs from the air

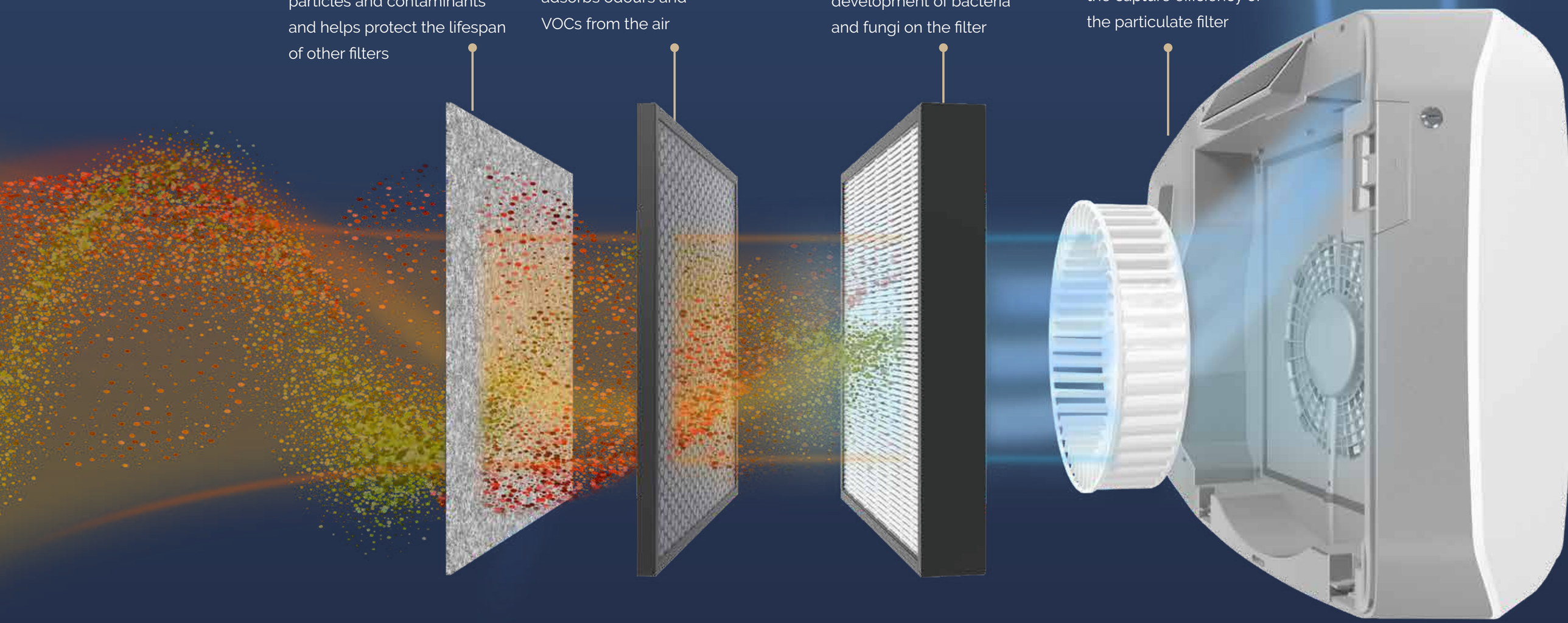
3

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 Ioniser** improves the capture efficiency of the particulate filter



* Verified HEPA capture efficiency at 0.3 microns

SMART
Patented, Responsive Technology

EnviroSmart™

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)

PureView™

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:

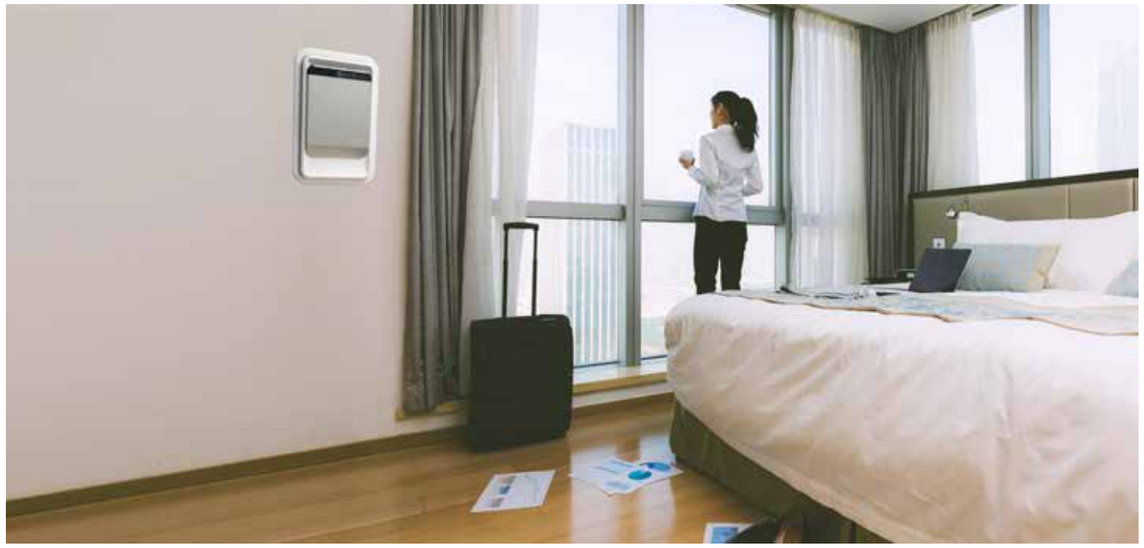
- Room Status: shows the current air quality in the room and the % of particles being captured in real-time.
- PM2.5: Displays real time the PM2.5 levels entering the unit and being removed in the filtration process.

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

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

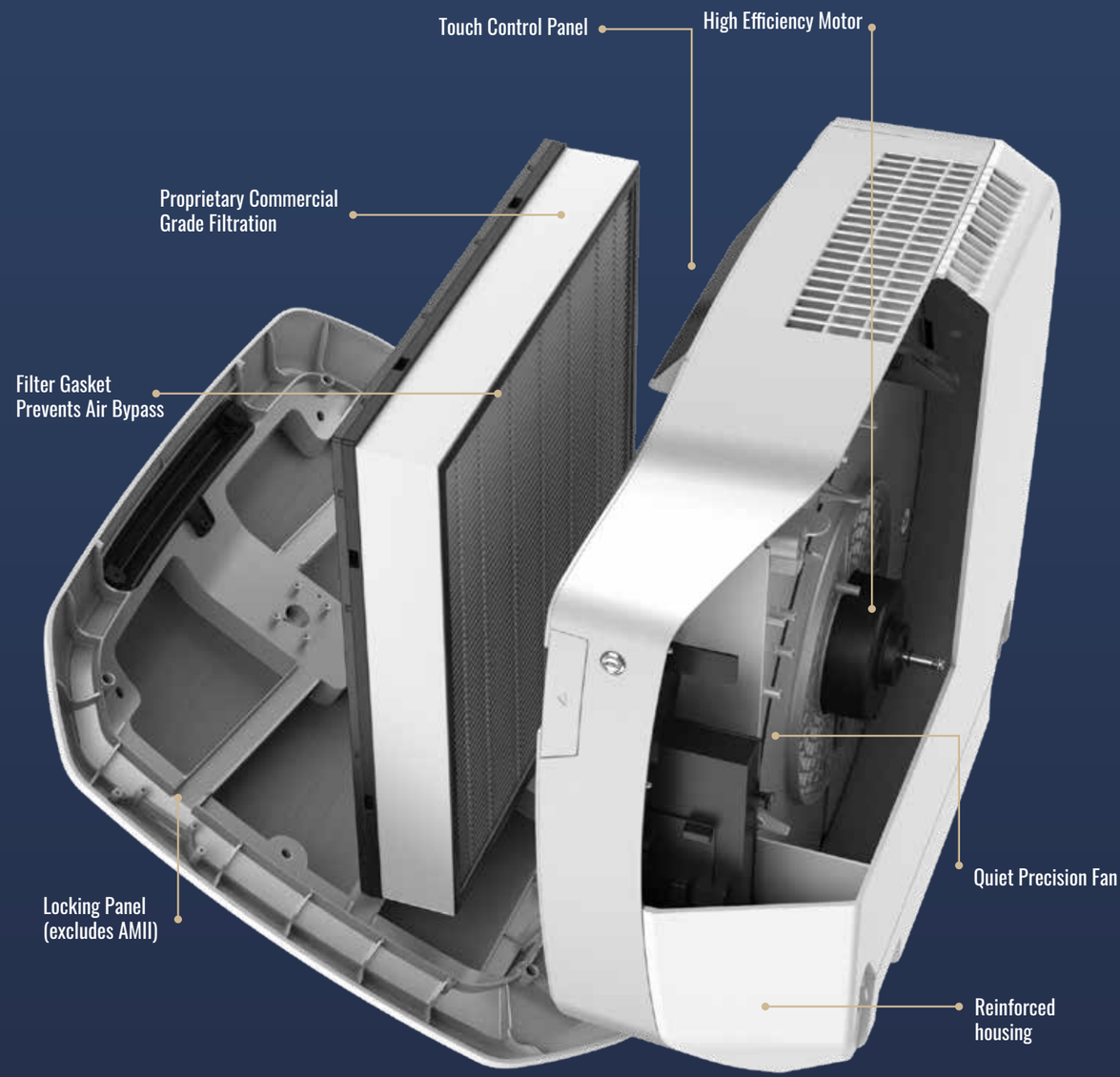
INTEGRATED
A Seamless Addition

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.



RELIABLE
Commercial Grade Durability

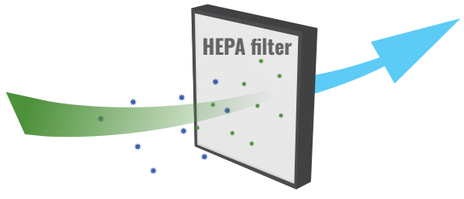
All AeraMax Professional units are built with 24/7/365 operation in mind. That means continual use...and that means they're constructed with superior components, high-grade filters and reinforced housings.



AM III & IV = 5 year warranty

AM II = 3 year warranty

The AeraMax Professional Difference



It Starts With Great HEPA Filtration

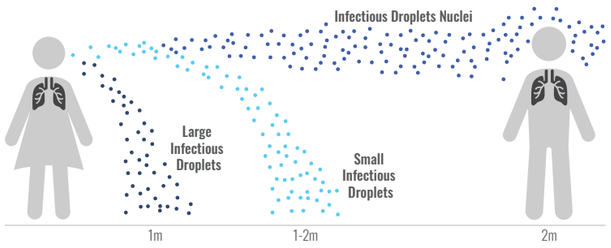
A well-engineered machine is quickly let down if using poor filters. Our True HEPA filters conform to IEST 1.5 HEPA Standard which proves 99.97% at the 0.3 micron size. In addition, our filters can capture more than 97.8% of pollutants at 0.1-0.15 microns, based on IBR Laboratories test data.

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 shown 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

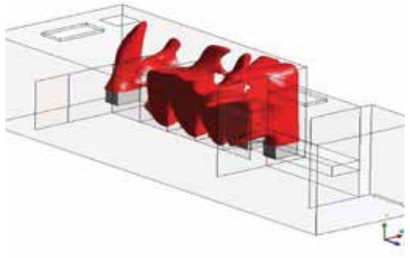
CIBSE: “Room air cleaners effectively remove particles from air which provides a similar effect compared to ventilation. To be effective, air cleaners need to have at least HEPA filter efficiency and to have a substantial part of room air pass through them”

Source: CIBSE COVID-19 Ventilation Guidance (Version 2, 12 May 2020)

The Science of Clean Air

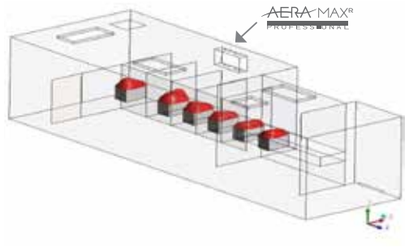
A Computational Fluid Dynamics study demonstrates how AeraMax Professional systems improve air quality by diluting and removing airborne contaminants.

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**

- **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 odour 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 every day, Tiny Sprouts Early Childhood Center had a significant germ and odour 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 odour 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 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 IV

The right size for large spaces

The AeraMax Professional IV is the largest of our commercial grade air purification systems and will deliver an air change every 20 minutes in rooms up to 110m². 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.

65 TO 110m²

3 TO 5 ACH

AERAMAX PRO II

Small. But big.

The super slim design of the AeraMax Professional II makes it the perfect fit for smaller spaces, offering 3-5 air changes per hour in shared indoor spaces between 15 and 25m². It's ideal for smaller examination rooms, narrow hallways and small public restrooms.

15 TO 25m²

3 TO 5 ACH

AERAMAX PRO III

The perfect fit for most rooms

Our AeraMax Professional III is perfect for most rooms, providing up to 3 air changes every hour in rooms as large as 55m². It's ideal for offices, conference rooms, classrooms, restrooms, waiting rooms and enclosed shared spaces.

30 TO 55m²

3 TO 5 ACH

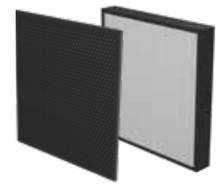
SPECIFICATIONS

	AERAMAX PRO II	AERAMAX PRO III PC	AERAMAX PRO IV PC	AERAMAX PRO III	AERAMAX PRO IV
Smart Technology	EnviroSmart Technology	PureView Technology EnviroSmart Technology	PureView Technology EnviroSmart Technology	EnviroSmart Technology	EnviroSmart Technology
Area Coverage	15m² (5 ACH) 25m² (3 ACH)	30m² (5 ACH) 55m² (3 ACH)	65m² (5 ACH) 110m² (3 ACH)	30m² (5 ACH) 55m² (3 ACH)	65m² (5 ACH) 110m² (3 ACH)
No. of Fan Speeds	5	5	5	5	5
Airflow (m³/hour)	60, 73, 87, 109, 170	129, 158, 190, 238, 374	260, 316, 381, 476, 748	129, 158, 190, 238, 374	260, 316, 381, 476, 748
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)	566 x 348 x 102mm	499 x 531 x 228mm	499 x 881 x 228mm	499 x 531 x 228mm	499 x 881 x 228mm
System Weight	4.8kg	9.1kg	15.1kg	9.1kg	15.1kg
Power Consumption (W)	7, 10, 14, 40, 70	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	220-240v, 50/60Hz, 2A	220-240V, 50/60Hz, 0.9A	220-240V, 50/60Hz, 1.4A	220-240V, 50/60Hz, 0.9A	220-240V, 50/60Hz, 1.4A
Electical Safety Certification	TUV, GS, CE	TUV, GS, CE	TUV, GS, CE	TUV, GS, CE	TUV, GS, CE
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 Stabilised ABS	UV Stabilised ABS	UV Stabilised ABS	UV Stabilised ABS	UV Stabilised ABS
Operating Temperature	10°C-40°C	5°C-40°C	5°C-40°C	5°C-40°C	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 with plug	Wall mounted hard wired	Wall mounted hard wired	Wall mounted hard wired	Wall mounted hard wired
Model Name Item code	AM2 9540401	AM3 PC 9573801	AM4 PC 9573901	AM3 9433401	AM4 9451001
Floor Stand					
Installation Method	Floor Stand Accessory 9540901 Recess Kit Accessory (Hard Wired Install) 9540802	EU/UK Plug Type	EU/UK Plug Type	EU/UK Plug Type	EU/UK Plug Type
Model Name Item code		AM3S PC 9574001	AM4S PC 9574201	AM3S 9450101	AM4S 9451301

FILTER SOLUTIONS



Filters for AeraMax AM3 & 4 Models	Standard Filter Configuration	Hybrid Filter	Full Carbon Filter (High Odour/VOC)	Pre-Filters
Filter Type	5mm Carbon Filter (w/pre-filter) 45mm True HEPA	50mm filter containing 50% Carbon & 50% True HEPA	50mm Carbon Filter (w/pre filter)	Replacement Pre-Filter
HEPA Filter Media	2.5m²	1.3m²	NA	NA
Antimicrobial Treatment	Yes (True HEPA)	Yes (True HEPA)	No	No
Active Carbon Weight	0.45kg	1.8kg	2.7kg	NA
Estimated Filter Life	Carbon: 6 Months True HEPA: 12 Months	12 Months	12 Months	6-12 Months
Pack Size	Carbon: 4 Pack True HEPA: 2 Pack	2 Pack (ships with pre-filters)	2 Pack	4 Pack
Item Numbers	Carbon: 9416502 True HEPA: 9416602	9436902	9436802	9600501

Filters for AeraMax AM2 Model	Standard Filter Configuration	Full True HEPA Filter	Full Carbon Filter (High Odour/VOC)	Pre-Filters
Filter Type	45mm filter containing 50% Carbon & 50% True HEPA	45mm True HEPA filter	45mm Carbon Filter	Replacement Pre-Filter
HEPA Filter Media	0.5m²	1.1m²	NA	NA
Antimicrobial Treatment	Yes (True HEPA)	Yes	No	No
Active Carbon Weight	340g	NA	680g	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	9544501	9544301	9544601	9608401

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