



Anti-COVID air
cleaning systems
Virus-free air in any
building

MANN+
HUMMEL
OurAir

Make returning to normal a reality

Anti-viral filtration for your building

The pressure is on to get back to business as usual. But for the sake of your customers, visitors and employees, it needs to be done safely. **Provide virus-free air in your building and reduce the risk of returning to normal.**

Whether it's to keep your business afloat, treat long-waiting patients or help kids catch up with their learning, you're likely to be desperate to get back to doing what you do best. But with the risks posed by COVID-19 still high, you need to ensure that you do so while controlling the spread of the virus.

Enhanced cleaning protocols and hand sanitizing stations are one thing. But to truly reduce the risk of COVID-19 circulating within your building, you need an air cleaning system designed for the job.

MANN+HUMMEL has developed two types of air filtration systems specifically to create virus-free indoor environments – in buildings with or without HVAC systems.



OurAir SQ 2500 & OurAir TK 850 **For virus-free air in virtually any indoor environment**

We've designed OurAir SQ 2500 and OurAir TK 850 on the strength of decades of experience of removing harmful contaminants from the air. Plug in these HEPA-powered air cleaning systems and turn your indoor space into a safe, virus-free environment.



AIRPOCKET ECO & NANOCLASS CUBE PRO MEMBRANE **For upgrading HVAC systems to anti-viral supply air**

Proven in the cleanroom, made for HVAC – Nanoclass Cube Pro Membrane is the perfect choice for virus-free air in buildings with an air-conditioning system. Paired with Airpocket Eco, it can enable virtually any air handling unit to be upgraded to HEPA-quality air without compromising energy efficiency.



VIRUS-FREE AIR WITH A CLEANROOM PEDIGREE

For more than 40 years, our filters have been in service in cleanrooms and operating theaters around the world – protecting people and the wider environment from some of the most dangerous viruses, substances and other contaminants known to man.

You can trust us to protect your visitors, your team and your building.

OurAir SQ 2500 & OurAir TK 850

Anti-viral purified air, anywhere



Individually-tested H14 HEPA filters¹ capture more than **99.995%** of viruses, bacteria & other micro-organisms



High performance air flow rate for efficient air exchange



Low power consumption through optimized system and filter media design



Quiet operation, and discreet, neutral design for unobtrusive protection



Optional UV-C stage and activated carbon prefilter for odors, NO₂ and VOCs

OurAir SQ 2500

For spaces up to 200 m² (per unit)

OurAir SQ 2500 is a **standalone air cleaning system** that can cope with the most demanding of environments. With a maximum air flow rate of 2,500 m³/h, OurAir SQ 2500 is suitable for use in large spaces. **Multiple units can also be placed across a space for extra large areas.** OurAir SQ 2500 is so effective it can even be used in semi-open spaces.



OurAir TK 850

For spaces up to 70 m² (per unit)

OurAir TK 850 is a **portable air cleaner** with all the flexibility that you could need. Wheel it from room to room or store it away easily. OurAir TK 850 can clean a space quickly and efficiently with a maximum air flow rate of 950 m³/h. Best of all, it packs this high performance into a **space-saving design just 75 cm tall.**

OurAir SQ 2500	TECHNICAL DATA	OurAir TK 850
1.004 x 0.523 x 1.051 m	Dimensions (L x W x H)	0.51 x 0.63 x 0.77 m
150 kg	Weight	60 kg
250 - 2,500 m ³ /h	Air Flow Rate	100 - 950 m ³ /h
- 5 times/hour in rooms up to 200 m ² ; - 6 times/hour in rooms up to 170 m ²	Air Exchange Rate	- 5 times/hour in rooms up to 70 m ² ; - 6 times/hour in rooms up to 60 m ²
H14 ¹ (captures > 99.995% of viruses, bacteria and micro-organisms)	Filtration Efficiency	H14 ¹ (captures > 99.995% of viruses, bacteria and micro-organisms)
ISO ePM1 55%	Pre-Filtration	ISO ePM10 80%

Subject to change without notice. ¹According to ISO 29463 & EN 1822.

Our mobile, plug-and-play solution

Healthy, virus-free air made easy



A long-term solution

People will still be concerned about their health long after COVID-19.

Both OurAir SQ 2500 and TK 850 provide effective defense against air pollution as well as viruses, bacteria and other micro-organisms.

Most buildings are set-up to create a comfortable environment for their occupants. That means the air conditioning system (if one is present at all) is targeted at cooling or warming the space, not protecting occupants from viruses and other harmful contaminants.

OurAir SQ 2500 and TK 850 from MANN+HUMMEL are all-in-one units that enable you to turn any indoor space into a virus-free environment.*

No retrofit or building works are required. **Simply plug 'n play and create a healthier space for the occupants of your building.**

*H14 HEPA filters reliably capture >99.995% of viruses and bacteria.

Easy upgrade of HVAC systems For anti-viral indoor air



Recent studies show that H13 filters in combination with an adequate pre-filter deliver the filtration efficiency for supply air at cleanroom levels. Depending on the application and required air cleanliness, the configuration can also be upgraded to H14.

Individually-tested H13 HEPA filter¹ captures more than **99.95%** of viruses, bacteria & other micro-organisms



Maximum protection even in recirculation mode



Half the pressure drop of conventional HEPA filters



Fire protection according to EN 15423 and VDI 3803-4



Low power consumption through optimized media design

AIRPOCKET ECO First-stage filter

With its multi-layer structure and built-in prefilter, Airpocket Eco is the perfect companion for HVAC HEPA filters. Its high removal efficiency captures larger particles to protect the downstream HEPA. While its extremely low pressure drop means Airpocket Eco achieves the highest A+ energy rating and minimizes the power consumption of the entire HVAC system.



NANOCCLASS CUBE PRO MEMBRANE Second stage HEPA filter

Everything about Nanoclass Cube Pro Membrane makes it the ideal choice for upgrading to HEPA-quality air. It comes in a variety of sizes and a standard compact filter form – meaning it fits all commonly-used frames and AHUs. Its rigid and robust frame means that you don't need to be a cleanroom specialist to install it. And Nanoclass Cube Pro Membrane's cleanroom pedigree means that you can count on it to deliver virus-free air into your building – reliably and consistently.

Airpocket Eco	TECHNICAL DATA	Nanoclass Cube Pro Membrane
ePM1 65% ² / F7 ³	Filter Class	≥ H13 ¹
592 x 592 x 635 mm	Dimensions	592 x 592 x 292 mm (other dimensions available on request)
10	Number of Pockets	-
3,400 m ³ /h	Air Flow Rate	3490 m ³ /h (H13) or ≤ 2800 m ³ /h (H14)
65 Pa	Pressure Drop	225 Pa
840 kWh/year	Energy Consumption	-
A+	Energy Class	-

¹According to ISO 29463 & EN 1822. ²According to ISO 16890. ³According to EN 779.

Our retrofit solution for HVAC systems

Virus-free air doesn't have to cost more

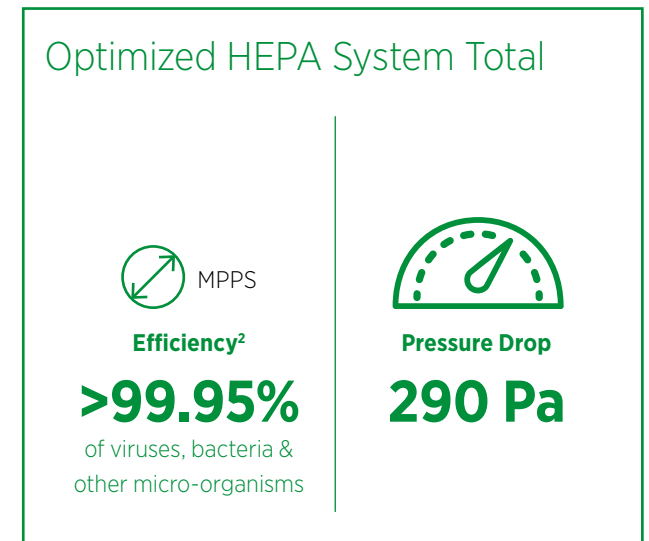
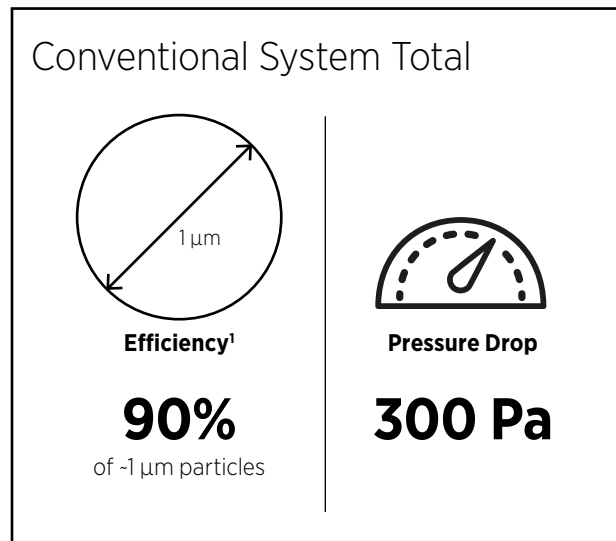
COMPARING THE COST - BEFORE AND AFTER

Both Airpocket Eco and Nanoclass Cube Pro Membrane feature industry-leading pressure drop performance. And, as Airpocket Eco also protects the HEPA filter stage with its high dust capacity, switching to virus-free air doesn't have to mean higher operating costs.

Here's how a typical HVAC filtration configuration compares to the MANN+HUMMEL optimized HEPA system.

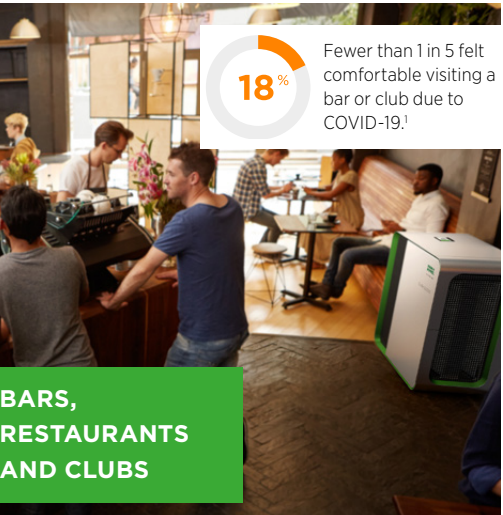
Conventional System	Prefilter: Typical Bag Filter	Final Filter: Typical Bag Filter	System Total
Filter Class	ePM1 60%	ePM1 80%	ePM1 90%
Pressure Drop @ 3400 m ³ /h	120 Pa	180 Pa	300 Pa

Optimized System	Prefilter: Airpocket Eco	Final Filter: Nanoclass Cube Pro Membrane	System Total
Filter Class	ePM1 65%	H13	H13
Pressure Drop @ 3400 m ³ /h	65 Pa	225 Pa	290 Pa



¹ According to ISO 16890 ² According to EN 1822

Make whatever you do Virus-free



18% Fewer than 1 in 5 felt comfortable visiting a bar or club due to COVID-19.¹

BARS, RESTAURANTS AND CLUBS



SCHOOLS, COLLEGES AND UNIVERSITIES



51% of shoppers avoided stores because of concerns about COVID-19.³

STORES, SUPERMARKETS AND MALLS



WAITING AREAS AND ROOMS



VENUES, HALLS AND LARGE SPACES



80% of members didn't feel comfortable going to the gym because of COVID-19.²

GYMS, LEISURE CENTERS AND SPORTS CLUBS



OFFICES AND WORKPLACES

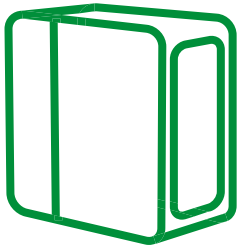


68% of people did not feel comfortable visiting their doctor due to COVID-19.¹

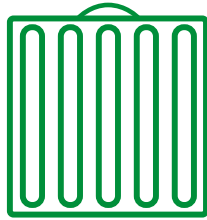
MEDICAL PRACTICES AND HOSPITALS

Discover more and order...

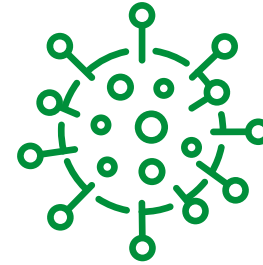
The first step towards healthier air



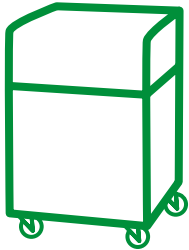
Learn more about
OURAIR SQ 2500



Find out more on
HVAC HEPA UPGRADES



Read more on
**ANTI-VIRAL AIR
PURIFICATION**



Discover more on
OURAIR TK 850



View our full range of
AIR FILTERS



Contact your
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