

OUR | AIR

Smarter Choices,
Better Air.



Intelligent protection against air pollution

Air pollution is the fourth greatest cause of death worldwide, with 92% of the world's population breathing air deemed unsafe by the World Health Organization. But while outside air pollution grabs most of the headlines, the air we breathe inside can be much more harmful.

And as we spend around 90% of our time indoors, those places we feel safest may not be as healthy as they seem.

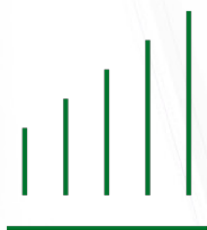
MANN+HUMMEL has designed OurAir to transform those spaces into the clean and healthy environments that they should be. OurAir is a combination of intelligent products and services that enable you to understand and take control of the air you breathe. So you can help keep yourself, your family and your building occupants healthy.

The three steps to better air



Know

The OurAir smartphone app combines measurements gathered by air quality monitors in your location with data on external pollution, for an exceptional view of the air around you.



Improve

Air purifiers and residential air filters deliver clean air at home. Commercial-grade filters help building owners create healthy indoor environments to protect occupants.



Manage

The OurAir Web Portal allows building owners and facility managers to get a handle on air quality across multiple sites. And eco16 identifies the optimum filter solution for your location.

OurAir at home

If you understand a threat, you know when and when not to take action. And that is the idea behind OurAir for home users.

- Access unrivaled levels of air quality data.
- Understand air quality at-a-glance.
- Get advice on how to improve air quality.
- A simple, single ecosystem of products.
- Know when to switch on your air purifier.
- Save energy, money and filter life.
- Create a healthy home environment simply.

OurAir at work

Providing clean air shows that you care about the people in your building. And it makes good commercial sense too.

- Increase productivity and cut absence.
- Become a haven from outside pollution.
- Fulfill health and safety requirements.
- Demonstrate duty of care.
- Easily identify pollution problem areas.
- Reduce energy usage and waste.
- Utilize equipment more efficiently.

KNOW – Be prepared to make smarter choices



The first stage of the OurAir system is all about helping you be prepared. Air quality monitors establish the level of airborne contaminants in your home or building. These readings are combined with data on the air outside your building and presented to you via an easy-to-use smartphone app.



OurAir Air Quality Monitor

The OurAir AQM range continuously monitors the air in a location for the most common and most harmful pollutants. This information is then either displayed on the in-built screen (when fitted) or via the OurAir App or Web Portal.

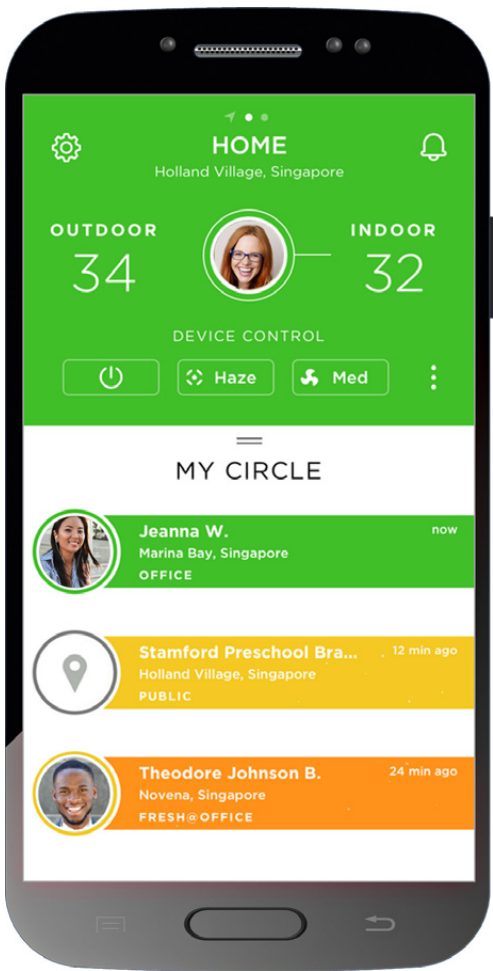
OurAir AQM also monitors the air for other conditions, such as temperature and humidity, to provide a full picture of the air quality around you.

Protection from the most common and most harmful pollutants

Contaminant	Common sources	Health impact
Fine dust PM2.5	Industry, traffic, cooking	Respiratory irritation; heart disease and cancer
Nitrogen dioxide (NO ₂)	Vehicles and power generation	Reduced lung function; bronchitis; asthma
Volatile organic compounds (VOCs)	Paint, aerosols, cleansers, carpets, furniture	Respiratory irritation; damage to liver and kidneys
Carbon monoxide (CO)	Traffic, faulty heating and cooking equipment	Reduced oxygen delivery to vital organs
Carbon dioxide (CO ₂)	Breathing, combustion of fossil fuels	Headaches and tiredness

OurAir App

Available for iOS and Android devices, the OurAir App lets you access air quality insight at home or on the go. It uses a simple rating system along with a map overlay to make it easy to understand the level of air pollution in your area. To make it easier to create a healthy environment, you can view tips and guidance on improving air quality at home or at work.



Follow friends and family to check on the quality of air that they are breathing



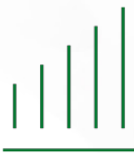
Mark the locations you visit most often, such as the gym, school or workplace.

Outdoor air – the final piece in the puzzle

Indoor air quality is inherently linked to outdoor air pollution. That is why we include data on external pollution in the MANN+HUMMEL air quality algorithm. Without it, you would only see part of the picture.

The OurAir outdoor air quality data goes through a rigorous process of collection, validation and modeling using big data analytics and machine learning. This delivers extremely accurate air quality information, on a level that is local to you.

IMPROVE – Effective and efficient protection



Insight and intelligence is meaningless if you do not have the tools to act upon it. So the second stage of the OurAir process aims to equip you with the means to improve air quality in your home or building.

OurAir Indoor Air Purifier

Air purifiers offer convenience and simplicity – a complete air cleaning solution in one device.

OurAir indoor air purifiers are effective against a wide range of pollutants, removing 99% of PM2.5, gases, allergens, bacteria and formaldehyde.

This performance, combined with a clean air delivery rate of more than 500 m³/h, means that OurAir indoor air purifiers provide high purification in areas up to 60 m². And with in-built smart functionality, the OurAir indoor air purifier will power-on automatically – and to the appropriate level – when pollution levels rise.



Residential ventilation filters

Passive homes are often so well insulated that they need an active air supply to keep things fresh. But external air can expose occupants and ventilation system components – such as the heat exchanger – to harmful and damaging pollutants.

Our residential ventilation filters stop these contaminants from posing a threat, and ensure that these environments are as clean and fresh as they appear.

Solutions for commercial and industrial applications

HVAC air filtration

HVAC filtration provides protection against the tiny particles that escape our bodies’ natural defenses.

Protecting occupants from this particulate makes sense no matter what type of building you manage. If you want people to be happy, healthy and productive in your building, effective HVAC filtration is a must.

MANN+HUMMEL provides a full range of HVAC products – including filter media, panel filters, bag filters and compact filters. And if you need some help choosing the perfect filtration solution, we provide tailored consultancy services that can help you cut energy costs without compromising air quality – see eco16 on page 9.



Ceiling air purifier

For buildings without a full HVAC system, OurAir Ceiling System Air Purifier provides a simplified but scalable clean air solution.

It is a ceiling-mounted air purifier that links with the OurAir App and Web Portal for simple but smart control. It can be customized for performance and functions to suit your individual requirements. And it integrates seamlessly with other ceiling systems for a straightforward fit pre or post renovation.

MANAGE – Take control of the air at your sites

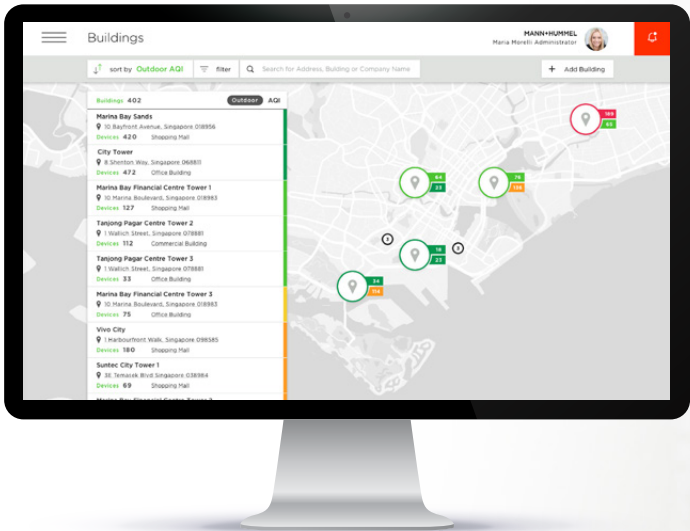


Air pollution is a public health issue, so it is important that building owners and managers are aware of the standard of air quality across their sites. OurAir gives consumers and commercial operators control over the air in their locations with a range of professional services and tools.

OurAir Web Portal

The OurAir Web Portal is a single resource for managing air quality across one or multiple sites. Your OurAir air quality monitors gather pollution data and the results are presented in real time via the Web Portal. You can rename rooms or locations to easily identify any pollution problem areas. And as the portal is web based, you can access it from anywhere – you just need your OurAir credentials.

The Web Portal also provides guidance on selecting the best filters for your operating environment, so you can ensure the efficiency of your air delivery system and the safety of your building occupants.



When you are on the road, stay in touch with the air quality across your sites with the OurAir App.

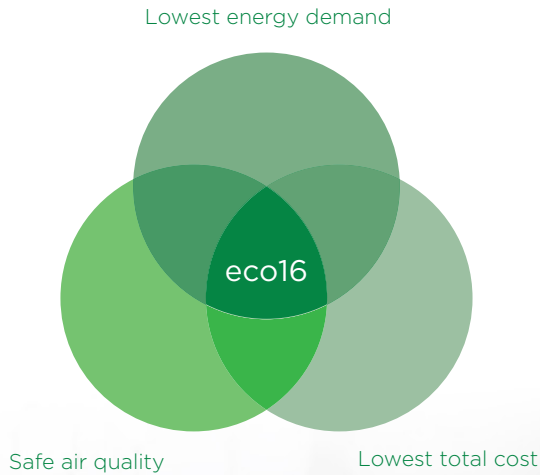
Clean air is not just about health and safety resolution. A healthy workplace increases productivity and reduces worker absence. And creating a pleasant and safe environment will encourage people to stay longer too.

eco16

There is a conundrum when it comes to HVAC filters: as filtration efficiency increases, so too does energy consumption. So choosing a filter that delivers high standards of air quality typically means you use more energy, which is not good for your budget or your carbon footprint.

Our patented eco16 program provides the answer to overcome this challenge. It finds the sweet spot where the filtration system is supplying a safe level of air quality but at the lowest possible energy demand.

We conduct a full analysis of your location, including measuring the air quality inside and outside your building. And on the basis of that data we configure the ideal filtration solution to meet your individual requirements. This configuration will provide you with a safe level of air quality at the lowest possible cost – to you and the environment.



Twenty-four.

It is the number of hours in a day. But it is also the number of filters that MANN+HUMMEL produces every single second. And that is part of what makes us a world leader in filtration.

But it is our commitment to quality and innovation too. Of the 20,000 people we employ worldwide, over 1,000 work in our R&D department. That means we lead from the front when it comes to finding new ways to improve air quality or deliver it more efficiently – which is why we hold more than 3,000 patent applications, patents and utility models.

Making a difference is what drives us, what we enjoy and what we are passionate about. And it is this expertise and passion that we have put into OurAir.

MANN+HUMMEL has been a filtration specialist for more than 75 years. With OurAir, we combine our knowledge in filtration with the latest in smart technologies.

Join the OurAir community and discover smarter choices, better air for yourself.

www.ourair.mann-hummel.com



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