

Smart Edition

New IQAir XE Series



The Smart Way to Pure Air

Good Health Starts with Clean Air

The air that we breathe has a great impact on our lives. We can survive for days without food and water, but only a few minutes without air. The quality of the air that we breathe is also of essential importance for our well-being. The less allergens, microorganisms and chemical pollutants we breathe, the smaller the chance of becoming ill. Medical conditions arising from air pollution can also have financial consequences. Healthcare costs and lost productivity in the workplace cost billions each year. IQAir offers the most advanced air cleaning solutions for

indoor air pollution. The superior performance of the systems has led to the worldwide use of IQAir in the most challenging indoor environments. For example, the systems are used to protect patients and staff against serious infections in critical hospital and healthcare settings and to remove toxic chemicals in high-tech laboratories. The advanced air cleaning technologies used by IQAir are the result of an unparalleled 60 years of track record in air purification.



Air Pollution and its Effects

Air pollution can affect our health in many ways with both short-term and long-term effects. Different groups of people are affected by air pollution in different ways. Some individuals are much more sensitive to pollutants than others. Young children, the elderly and individuals with health problems such as asthma, heart and

lung disease often suffer more from the effects of air pollution. The extent to which an individual is harmed by airborne contaminants will depend on the person's total exposure to particles, microorganisms and chemical substances, i.e. the duration of exposure and the concentration of the pollutants.

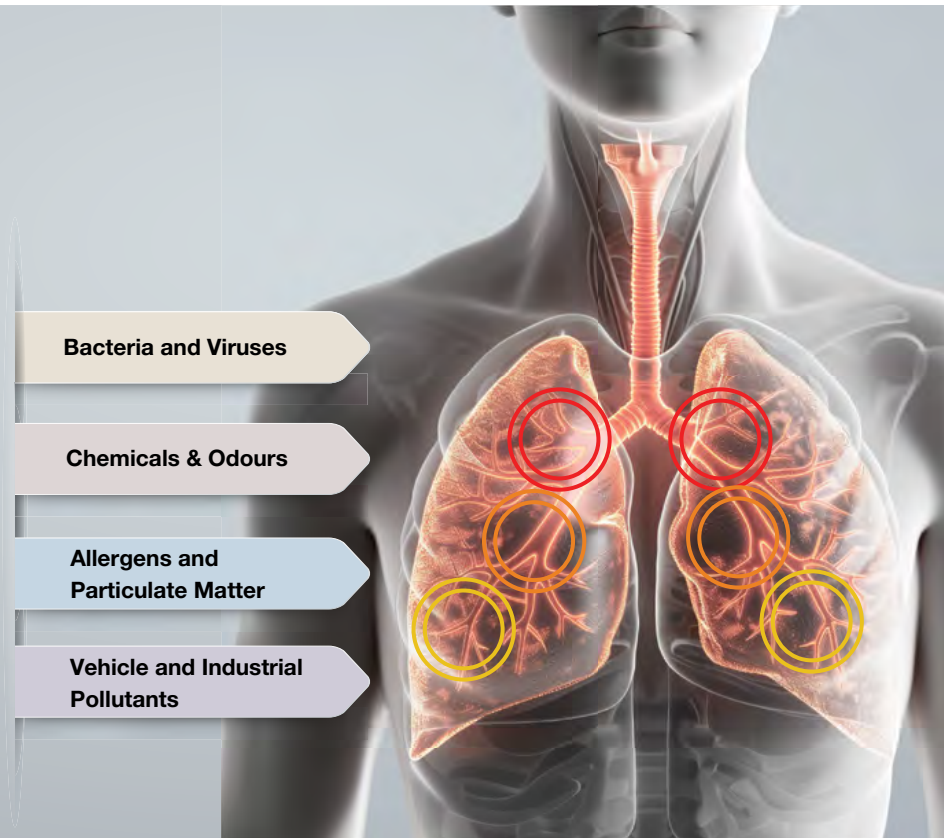
Health Effects

Short-and Mid-Term

- respiratory infections (pneumonia, bronchitis)
- influenza
- allergic reactions (asthma attacks)
- eye infections (conjunctivitis)
- irritation of nose and throat
- headaches and nausea
- breathing difficulties
- skin reactions (eczema)

Long Term

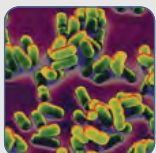
- chronic respiratory diseases
- lung cancer
- heart disease
- damage to the brain and nerves
- damage to internal organs (e.g. liver and kidney)



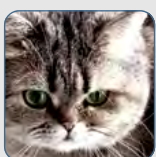
IQAir systems feature the most reliable and efficient air cleaning technologies against indoor pollutants.



Pollen, spores, dust mite allergens and other particulate matter can trigger hay fever, asthma and other allergic reactions.



Microorganisms such as viruses, bacteria and fungal spores are responsible for various infections like tuberculosis, influenza, aspergillosis, MRSA, SARS and SARS-CoV-2 (COVID-19).



Pet allergens (dander) are mainly found in saliva and therefore on hair and skin of pets. When the allergens are inhaled they can lead to serious allergic reactions.



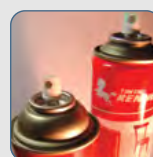
Tobacco smoke and fine dust contain thousands of chemicals and particles which can irritate the mucous membranes and lead to acute and chronic diseases. Even short-term exposure to elevated concentrations of fine particles can significantly contribute to heart disease.



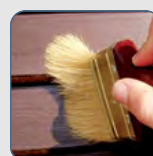
Volatile organic compounds (VOCs) are gas-eous chemicals emitted from vehicles, industry and building materials. They can be carcinogenic and cause damage to internal organs.



Smog and ozone can cause irritation of the respiratory tract even at low concentrations and can trigger asthma attacks. While these pollutants are mainly generated outdoors, they enter buildings via doors, windows and ventilation systems.



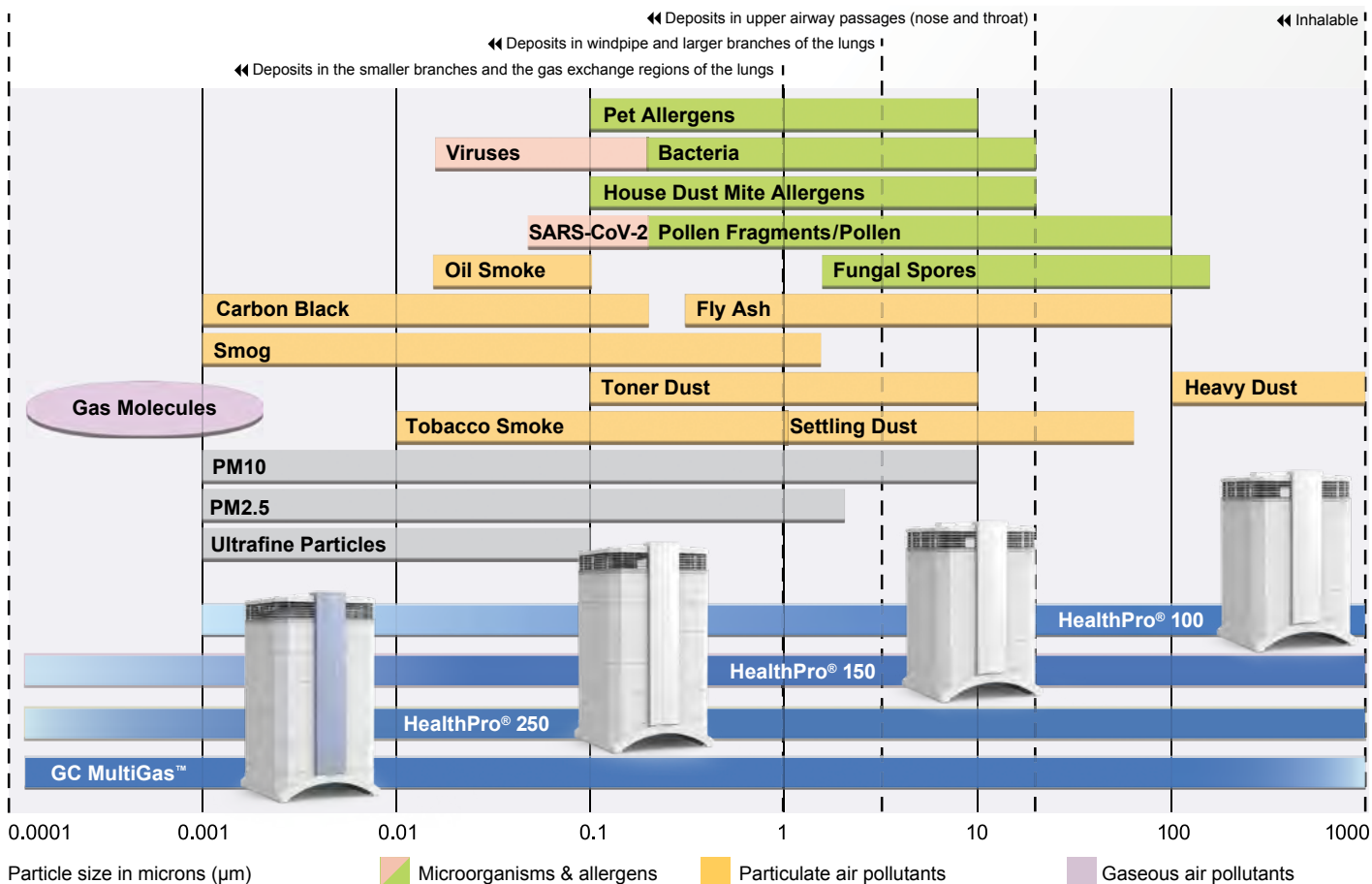
Cleaning products, sprays and solvents can irritate the mucous membranes and aggravate allergies such as asthma and hay fever.



Paints, varnishes and adhesives can contain a multitude of harmful substances. Inhaling the vapours can lead to headache, nausea and allergic reactions. Long-term exposure can lead to chronic diseases.

IQAir® – The Ideal Solution for Your Individual Requirements

The following table shows which IQAir model is suitable for specific airborne pollutants. The darker the blue stripe, the better the filtration efficiency of the IQAir system for the respective pollutant.



HealthPro® 100
The Allergy Specialist

HealthPro® 150
The Compact Allrounder

HealthPro® 250
The Powerful Allrounder

GC MultiGas™
The Gas & Odour Specialist



Allergens (pollen, dander, dust, mite, fungal spores)	★★★★★	★★★★★	★★★★★	★★★★★
Fine Dust and Particulate Matter (PM ₁₀ , PM _{2.5})	★★★★★	★★★★★	★★★★★	★★★★★
Chemicals and Odours	★	★★★	★★★★★	★★★★★
Bacteria and Viruses	★★★★★	★★★★★	★★★★★	★★★★★
Tobacco Smoke	★★ filters particles and particle bound chemicals contained in tobacco smoke.	★★★	★★★★★	★★★★★

★ not recommended

★★ satisfactory

★★★ good

★★★★ very good

★★★★★ excellent

IQAir® HealthPro® 250 XE – The Features



User-friendly display enables easy access to most important settings.

Intelligent filter life monitor – calculates when it is time to replace filters, taking actual use, fan speed and measured pollution levels into account.

Advanced timer programming – allows the system to switch on automatically at specified times, weekdays and fan speeds.

6 fan speed settings allow the selection of the most suitable performance/sound ratio.

Advanced gas and odour removal – The IQAir HealthPro 250 XE features the V5-Cell filter – the most advanced gas and odour filter available in a residential room air purifier. The granular media consists of a unique blend of activated carbon and impregnated alumina for the removal of a wide spectrum of gases and unpleasant odours.



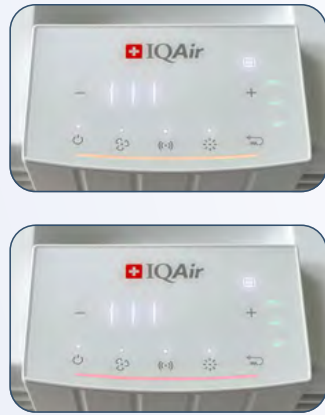
Ultra-quiet design – IQAir's "fan-in-centre" design places the fan motor in-between sound attenuating filters. The double-walled housing effectively reduces sound transmission. Rubber suspension pads systematically isolate motor vibration from the air cleaner housing. The result is an air purifier quiet enough for your bedroom.

Long-life filters save costs – The use of large surface, high-capacity filter media means that filters last longer.

Low energy consumption – Outstanding energy efficiency at all fan speeds translates into direct cost savings.



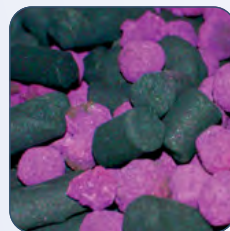
Patented modular housing design allows fast and comfortable filter replacement without tools. Independent filter stages allow each filter to be replaced individually, rather than having to replace entire filter blocks. This maximises yield and minimises replacement costs.



Air Quality Indicator – the colour-coded LEDs of the integrated Air Quality Indicator provide instant feedback on air quality.

3 filter life LEDs provide a visual signal when it is time to replace a filter.

Smart Mode – thanks to the integrated particle sensor, the user can choose from three smart modes for automatic fan speed adjustment based on detected PM2.5 levels.



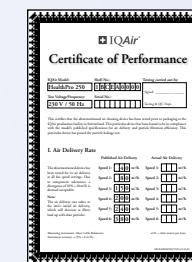
Remote Control via Smartphone for details refer to next page.

IQAir's unique **HyperHEPA® technology** is tested and certified to remove even ultra-fine pollution particles, including viruses, with an efficiency of over 99.95% at all fan speeds.



Filter class H13 according to EN 1822 - The HyperHEPA® filter of the HealthPro models was the first filter for room air purifiers worldwide to be tested and certified according to the European standard EN 1822. The most recent test by an independent German test laboratory confirmed that the HyperHEPA (L) filter achieves a minimum efficiency of 99.95% (H13) even at an air flow of 560 m³/h.

The high-performance EC fan motor has a powerful free-flow rate of 1200 m³/hour, is non-stop use approved and individually balanced for smooth and quiet operation.



Individually certified – IQAir applies the highest quality control standards by individually testing and certifying each air purifier for filtration efficiency and air delivery. The results are recorded on a hand-signed Certificate of Performance supplied with every IQAir model.

Mobility casters are supplied as standard with each residential IQAir system. These allow the system to be moved effortlessly from room to room.



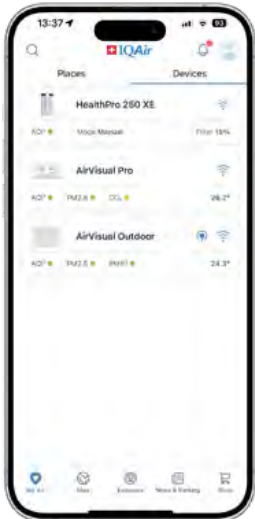
Advanced Air Quality Sensor

The XE models are equipped with a built-in particle sensor that continuously monitors room concentrations of particulate matter (PM2.5). The colour-coded LEDs of the integrated Air Quality Indicator provide instant feedback on air quality.



Total Control at Your Fingertips

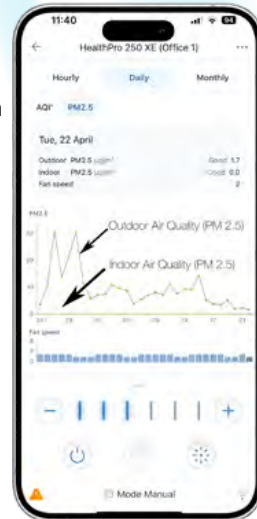
With WiFi compatibility and seamless interaction with IQAir's free AirVisual smartphone app, you can conveniently control your air purifier from anywhere, even when you're away. The smartphone interface grants access to a range of features, including 6 fan speeds, 3 smart modes, brightness adjustment of the Air Quality Indicator LEDs and a control panel lock function to prevent unauthorised access. Additionally, you can set up the advanced automatic timer to run the system at the desired fan speed according to your hourly, daily and weekly schedule.



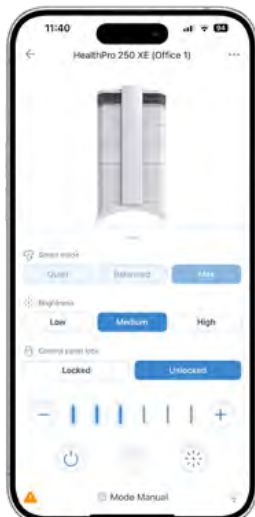
Get an overview of all your AirVisual compatible IQAir devices in one place. The WiFi compatibility enables you to control the air purifier using your smartphone. Through the AirVisual app, you can enjoy the advanced features offered by the IQAir XE models, such as...



... an overview of the current indoor air quality, quick fan speed adjustment, ...



...visual representations of hourly, daily and monthly air quality trends and realtime comparisons between indoor and outdoor air quality based on a selected reference station or your own AirVisual Outdoor monitor.



For the utmost convenience, the IQAir XE models allow you to select from three smart modes that automatically adjust the fan speed based on the indoor particle concentrations detected by the PM2.5 sensor.



The IQAir XE models further allow you to set up an advanced automatic timer to run the system at your desired fan speed or smart mode according to your hourly, daily and weekly schedule.



The intelligent filter life monitor notifies the user when it's time to replace the filters, based on sensor-detected pollution levels, air flow speed and usage hours. This ensures optimal performance and longevity.

IQAir XE Series: Breathe healthy air in line with WHO recommendations

There are many air pollutants. Yet when it comes to determining the Air Quality Index (AQI) at any given place and moment, it is the pollutant with the highest concentration, that ultimately defines the overall air quality. In more than nine out of ten cases, that air pollutant is particulate matter (PM2.5), a complex mixture of solid particles and liquid droplets found in the air, that can travel deep into the lungs or enter the bloodstream. Invisible, yet very harmful, these tiny particles influence our physical and mental health, our sleep and well-being, even shaping the decisions we make, every single day.



World Health Organization

To protect human health and well-being, the World Health Organization (WHO) recommends keeping annual average PM2.5 levels below 5 µg/m³.

Smart Mode Technology for Truly Healthy Air

To meet this global health standard, IQAir's latest generation of air purifiers is equipped with an integrated PM2.5 sensor, that continuously monitors indoor air quality in real time, aligned with WHO recommendations.

Each IQAir XE Series model offers 3 Smart Modes that automatically adjust the air purifiers fan speed, when the room concentrations of PM2.5 exceeds the WHO recommendation for healthy air.

Only when air quality improves again, will the air purifier gradually lower its fan speed again. This way the Smart Modes extend filter life and conserve energy when save air quality is attained, while ensuring you minimise your exposure to PM2.5, without the need for any manual adjustment.

Choose the Smart Mode that perfectly suits your lifestyle

Quiet Mode: Ideal for environments where noise sensitivity is paramount.

Balanced Mode: Perfect for normal living and working environments.

Max Mode: Recommended for environments that require the highest level of air purification.



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HyperHEPA® Filter Quality and Performance

In view of the growing concern that surrounds the safety and the true efficiency of many air purifiers offered in the market, IQAir offers an uncompromising approach with regard to safety and performance:

100% Ionisation and Ozone-Free Technology

IQAir's HyperHEPA filter media is free of harmful additives, such as PHMG, CMT and OIT. Moreover, IQAir does not use any filtration technologies such as ionisation or UV lamps, which may produce ozone.

Individually Certified HyperHEPA® Performance

All IQAir HealthPro models feature IQAir's unique HyperHEPA® technology, removing even the tiniest pollution particles and microorganisms with an absolute minimum efficiency of 99.95% even at the highest fan speed. To ensure uncompromising real-world performance, the Swiss Factory individually tests and certifies each model for actual air delivery and actual filtration efficiency in real-life conditions. The hand-signed Certificate of Performance included with each system provides the ultimate guarantee that the IQAir you receive will perform as advertised.

Below is an overview of the different filters that are featured in the three HealthPro and the GC MultiGas models and what total system efficiency each model offers:

HealthPro® 100 – The Allergy & PM2.5 Specialist



Total system efficiency:

≥99.97% for particles ≥0.3 microns
≥99.95% for particles @ MPPS* & viruses

HyperHEPA® Filter*: Hospital-grade HEPA filter (class H13) for the control of ultrafine particles, allergens, bacteria, viruses, mould spores.
Surface area: 5 m²

PreMax™ Filter: High-capacity pre-filter (class F8) for the control of coarse and fine dust particles.
Surface area: 2.8 m²

HealthPro® 150 – The Compact Allrounder



Total system efficiency:

≥99.97% for particles ≥0.3 microns
≥99.95% for particles @ MPPS* & viruses

HyperHEPA® Filter*: Hospital-grade HEPA filter (class H13) for the control of ultrafine particles, allergens, bacteria, viruses, mould spores.
Surface area: 5 m²

PreMax™ MG Filter: Combination Pre- and Gas filter. **Pre-filter (class F8)** for the control of coarse and fine dust particles. Surface area: 1.9 m². **Wide-spectrum MultiGas™ granular media** mix for the control of a broad range of chemical pollutants and odours. Content: 1 kg

HealthPro® 250 – The Powerful Allrounder



Total system efficiency:

≥99.97% for particles ≥0.3 microns
≥99.95% for particles @ MPPS* & viruses

HyperHEPA® Filter*: Hospital-grade HEPA filter (class H13) for the control of ultrafine particles, allergens, bacteria, viruses, mould spores.
Surface area: 5 m²

V5-Cell™ MG Filter: Wide-spectrum MultiGas™ granular media mix for the control of a broad range of chemical pollutants and odours. Content: 2.5 kg

PreMax™ Filter: High-capacity pre-filter for (class F8) the control of coarse and fine dust particles.
Surface area: 2.8 m²

GC MultiGas™ – The Gas & Odour Specialist



Total system efficiency:

≥ 99% for particles ≥ 0.3 microns

GC Post-Filter Sleeves: 4 electrostatically charged fibre filters for the removal of fine dust.
Surface area: 0.5 m²

GC MultiGas™ Cartridge Filter:

4 Cartridges with wide-spectrum media mix (activated carbon & impregnated alumina) for the filtration of a broad range of chemicals and odours.
Content: 5.4 kg

GC HEPA Pre-Filter: High-efficiency HEPA filter (class H11) for the control of coarse, fine and ultrafine dust particles, allergens and microorganisms.
Surface area: 3.0 m²

IQAir XE Series - Clean Air for Less Than a Cup of Coffee a Day

What is the value of clean air to you? What if you, your family, staff, students, guests and patients could breathe cleaner air? Is excellent air quality worth the price of a cup of coffee each day? Absolutely, especially when you consider the numerous benefits of clean air!

When we or our loved ones fall ill, we are usually willing to pay for costly medications and treatments to aid in a speedy recovery. When a staff member becomes sick, the costs associated with absenteeism can quickly accumulate, resulting in significant business losses. Additionally, when hospital patients fail to recover as expected or acquire a hospital infection, the expenses related to extended stays and additional treatments can become exorbitant. While clean air cannot prevent every illness, breathing in clean air can help us:

- Maintain good health and live longer
- Alleviate symptoms of pre-existing respiratory diseases and allergies
- Develop fewer respiratory ailments
- Reduce absenteeism
- Minimise the risk of airborne infection transmission
- Lessen the need for expensive medications
- Facilitate a swift recovery

Breathing less pollutants, allergens and microorganisms in our daily lives can have a profound impact on our overall health and well-being. The IQAir XE Series makes breathing healthy air affordable, with its low ownership costs amounting to less than the price of a good cup of coffee a day.

Clean Air — The Healthy Ingredient for Living, Working and Learning Environments.

The Case for Clean Air in Schools

Children and teenagers spend a substantial part of their school days in classrooms where the airborne particulate (PM2.5) pollution is often well above the 5 µg/m³ level which the World Health Organization (WHO) recommends as “healthy”. Moreover, children and teenagers are particularly vulnerable to air pollution, with research linking elevated exposure directly to asthma, a leading cause of absenteeism among school-age children. Poor indoor air quality does not just affect health, it also impairs vital cognitive functions like concentration, calculation and memory. Therefore, creating a healthy and productive learning environment is an important and worthwhile goal, especially in heavily polluted urban regions.

Yet achieving excellent air quality in classrooms is a challenging task, due to the high air volume, high occupancy rate and the low noise tolerance of the typical classroom. Schools are also often located in cities with heavy traffic and elevated air pollution. A few key aspects must be considered for the selection of the right air purifier for classrooms, to ensure that the investment is cost-effective and beneficial for many years:

- To ensure reliable operation, the classroom air quality should be evaluated in accordance with recognised air quality guidelines. IQAir's XE models use the World Health Organisation's health recommendations for airborne particulates (PM2.5) as the benchmark for their fully automatic Smart Modes. This means that the air purifier is continuously monitoring the room air quality and the fan speed is automatically increased as soon as “unhealthy” levels of PM2.5 are detected. Only when the air quality reaches “safe” levels below 5 µg/m³, will the fan speed be reduced. A choice of three Smart Modes allow the air purifier to be programmed that it remains as quiet as needed for undisturbed learning.
- Schools often wish to monitor the air quality in classrooms, compare it to outdoor air quality or even integrate monitoring activities into the school's curriculum or science project to help raise awareness about the importance of good air quality for a healthy and productive society. IQAir's world leading air quality monitoring infrastructure and monitoring hardware provide an ideal monitoring ecosystem to allow daily, weekly, monthly monitoring to compare the results and validate the air quality improvements that are achieved.
- In schools the remote fleet management of the air purifiers is often desirable, because teaching staff or caretakers should not be burdened to ensure that air purifiers are programmed in accordance with school hours and remain operational. IQAir's XE Models feature wi-fi connectivity that allow remote access and validation that the systems are operating as intended. Even alerts can be sent via e-mail when it is time to replace a filter.

IQAir's unique 60+ years experience in designing air filtration systems empower it to build highly advanced air cleaning solutions that deliver the much needed breath of fresh and clean air needed in modern learning, living and working environments.



World-Leading Solutions for Monitoring and Improving Indoor Air Quality

As most of us spend a significant portion of our lives indoors, the quality of the air we breathe inside has a significant impact on our health. While we have little control over the air we breathe outdoors, we do have the choice to enhance the air quality in many indoor spaces where we spend most of our time. IQAir offers a diverse range of air purifiers and air quality monitors specifically designed to empower individuals to lead a healthier lifestyle in various indoor environments:



Atem X ①

The Atem X is a high performance room air purifier that combines exceptional power and intelligence with remarkable quietness, compactness and energy efficiency. It is suitable for larger indoor spaces up to 150 m², including classrooms, open-plan offices, apartments and hospital wards.



AirVisual Pro ②

This intelligent air quality monitor accurately measures air pollution (PM2.5), CO₂ levels, temperature and humidity in homes, offices, schools and more. The data is displayed on the LED screen and can also be accessed by smartphone. When paired with the AirVisual Outdoor monitor, it allows for a comparison of indoor and outdoor air quality.



Atem Desk ③

The Atem Desk is a personal air purifier designed to enhance indoor air quality in your breathing zone and small rooms. It utilises HyperHEPA® technology to effectively remove ultrafine pollutants from the air, including PM2.5, viruses and bacteria.



10 years of collaboration with the American Lung Association: This exclusive partner relationship combined the American Lung Association's 100-year commitment to promoting lung health with IQAir's 50-year commitment to air purification to raise awareness about the importance of good indoor air quality.



Atem Car

The Atem Car is an incredibly powerful, yet quiet and compact car air purifier that effectively controls airborne particulates and also adsorbs and neutralises odours and chemicals.

60 Years of Clean Air Heritage

Since its modest beginnings in the early 1960s, the IQAir Group has remained a family-run company. It has evolved from being a pioneering leader in indoor air filtration to becoming a technology leader in the industry. With over six decades of experience, IQAir is widely recognised as a world-leading provider of effective indoor air cleaning solutions.

Unlike most air purifier brands, IQAir exclusively manufactures its air purifiers in Western Europe, adhering to high labour, social security, environmental and safety standards at its state-of-the-art Swiss and German production facilities.

IQAir goes to great lengths to ensure the reliable and superior performance of its products. While many air cleaner brands outsource the manufacturing of filter elements to third-party contractors, IQAir designs and manufactures every single filter element in-house. This approach allows IQAir to maintain total quality control over this crucial aspect of air cleaner performance.



INCEN AG
(IQAir International)
Staad, Switzerland



IQAir AG
Technology Center
Steinach, Switzerland



IQAir Germany GmbH
Wangen im Allgäu
Germany



IQAir North America, Inc.
California
USA



IQAir (China) Sales & Service Co., Ltd.
DRC Tower - 13th Floor
Beijing, China

Deployed by leading institutions and companies

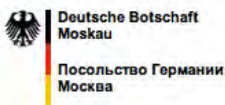
Next to medical facilities IQAir systems are being deployed in tens of thousands of facilities around the globe, including schools, kindergartens, dental practices, waiting rooms, offices, shops, fitness centres, hotels and restaurants to minimise the risk of COVID-19 infection transmission in enclosed spaces.



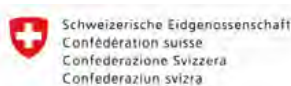
Mercedes-Benz



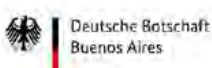
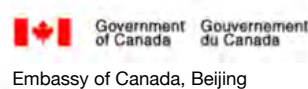
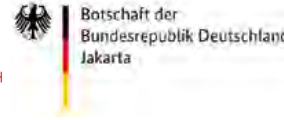
U.S. EMBASSY & CONSULATES
IN CHINA



醫院管理局
HOSPITAL
AUTHORITY



Switzerland and India



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Scientifically Proven Performance

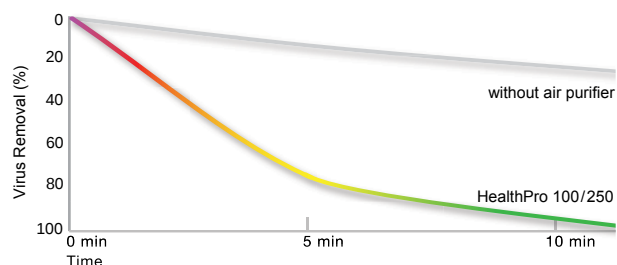
The IQAir XE models are the result of meticulous design and comprehensive testing. Their exceptional performance and effectiveness against particulate and gaseous pollution, electrical safety and sound performance have been independently tested and/or certified by accredited test laboratories worldwide, including the following:



Contaminant	Type	Elimination Rate	Time	Test Report	Model
Staphylococcus albus	<i>bacteria (gram-positive)</i>	> 99.90 %	60 minutes ¹	WCK-17-50098 WCK-23-50693 WCK-17-50002	HP 100 HP 250 GC MultiGas
Influenza A virus (H1N1)	<i>virus</i>	> 99.99 %	60 minutes ¹	WCK-23-50678 WCK-23-50692	HP 100 HP 250
Influenza A virus (H1N1)	<i>virus</i>	> 99.95 %	60 minutes ¹	JKK23110034B	GC MultiGas
Cat allergen (Fel d1)	<i>allergen</i>	> 98.34 %	60 minutes ^{1,2}	JKK23110035A	HP 250
Cat allergen (Fel d1)	<i>allergen</i>	> 98.31 %	60 minutes ^{1,2}	JKK23110034A	GC MultiGas
Dog allergen (Can f1)	<i>allergen</i>	> 98.30 %	60 minutes ^{1,2}	JKK23110035A	HP 250
Dog allergen (Can f1)	<i>allergen</i>	> 98.27 %	60 minutes ^{1,2}	JKK23110034A	GC MultiGas
Pollen allergen (Cry j1)	<i>allergen</i>	> 98.29 %	60 minutes ^{1,2}	JKK23110035A	HP 250
House dust mite allergen (Der f1)	<i>allergen</i>	> 98.33 %	60 minutes ^{1,2}	JKK23110035A	HP 250
Escherichia coli	<i>bacteria (gram-negative)</i>	> 99.99 %	60 minutes ¹	JKK23110035B	HP 250
Aspergillus niger	<i>bacteria (gram-negative)</i>	> 99.99 %	60 minutes ¹	JKK23110035B JKK23110034B	HP 250 GC MultiGas
Fine & ultra fine particulates	<i>size range: 0.01 - 0.42 µm</i>	> 99.90 %	30 minutes ³	DTI-104832	HP 250 GC MultiGas
Formaldehyde	<i>volatile organic compound</i>	> 97.70 %	120 minutes ¹	JKK23110035C	HP 250
TVOC	<i>volatile organic compound</i>	> 87.00 %	30 minutes ³	DTI-104832	GC MultiGas

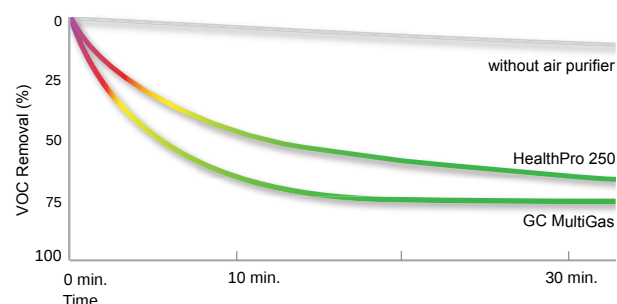
Virus Removal

The renowned microbiological test laboratory, *Airmid Health Group Ltd.*, conducted rigorous testing on the HealthPro 100 and HealthPro 250's ability to reduce airborne influenza A (H1N1) viruses. The results revealed a virus removal rate of 99.9% within 10 minutes. In comparison, other HEPA air purifiers tested by the lab took 3 to 6 times longer to achieve similar virus reduction.



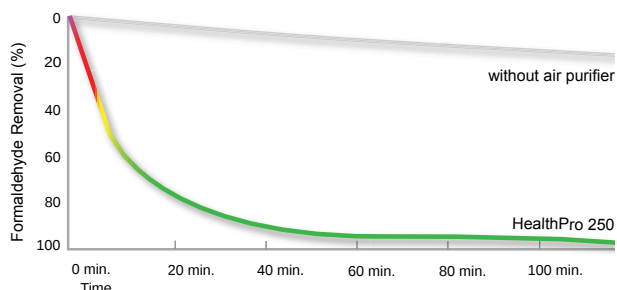
VOC Removal

The HealthPro 250 and GC MultiGas underwent testing by the renowned *Danish Technological Institute*. The tests demonstrated a rapid and effective reduction of VOC by the HealthPro 250 by more than 50% within just 10 minutes.³ The GC MultiGas model even demonstrated an effective VOC reduction of approx. 75% within just 10 minutes.³



Formaldehyde Removal

In an independent laboratory test conducted by *CAS Testing Technical Services Co. Ltd.*, the HealthPro 250 proved its effectiveness against formaldehyde. The HealthPro's V5-Cell filter reduced formaldehyde concentrations by around 90% in only 40 minutes.



¹ test performed in a 30 m³ test chamber at fan speed 6; ² the measurable reduction was subject to measuring limitations resulting from low starting concentration; ³ test performed in a 20 m³ test chamber at fan speed 6

IQAir® XE Series Technical Specifications and Features Overview

				
Colour, Dimensions & Weight				
Housing colour	white	white	white	white
Locking Arm colour	white	white	white	blue
Height / Width / Depth, Weight	61 / 38 / 41 cm, 12 kg	61 / 38 / 41 cm, 13 kg	71 / 38 / 41 cm, 16 kg	71 / 38 / 41 cm, 20 kg
Filtration				
Individually tested & certified	yes	yes	yes	yes
Efficiency @ ≥ 0.3 microns	≥ 99.97 %	≥ 99.97 %	≥ 99.97 %	≥ 99 %
Particles	removes all types of particulate matter, incl. PM2.5, ultrafine particles, bacteria, viruses, soot, smoke particles and microplastics	removes all types of particulate matter, incl. PM2.5, ultrafine particles, bacteria, viruses, soot, smoke particles and microplastics	removes all types of particulate matter, incl. PM2.5, ultrafine particles, bacteria, viruses, soot, smoke particles and microplastics	removes all types of particulate matter, incl. PM2.5, ultrafine particles, bacteria, viruses, soot, smoke particles and microplastics
Gases	no active gas-phase filtration, but removes particle-bound gases	removes wide range of chemicals & odours, incl. NO ₂ , SO ₂ , O ₃ , TVOC, formaldehyde	removes wide range of chemicals & odours, incl. NO ₂ , SO ₂ , O ₃ , TVOC, formaldehyde	removes wide range of chemicals & odours, incl. NO ₂ , SO ₂ , O ₃ , TVOC, formaldehyde
Filter 1	PreMax F8 (S) Filter	PreMax F8 MG (S) Filter	PreMax F8 (S) Filter	GC HEPA H11 (S) Filter
Filter 2	-	combined pre- and gas-phase filtration (media content: 1 kg)	V5-Cell™ MultiGas™ Gas & Odour Filter (media content: 2.5 kg)	GC MultiGas Cartridge Filter Set (media content: 5.4 kg)
Filter 3	HyperHEPA H12/13 (L) Filter	HyperHEPA H12/13 (L) Filter	HyperHEPA H12/13 (L) Filter	GC Post-Filter Sleeve Set
Airflow & Clean Air Delivery Rate (CADR)				
Speed 1	50 m³/h	50 m³/h	50 m³/h	50 m³/h
Speed 2	100 m³/h	80 m³/h	100 m³/h	90 m³/h
Speed 3	170 m³/h	140 m³/h	170 m³/h	150 m³/h
Speed 4	240 m³/h	200 m³/h	240 m³/h	220 m³/h
Speed 5	330 m³/h	260 m³/h	310 m³/h	280 m³/h
Speed 6	470 m³/h	350 m³/h	440 m³/h	400 m³/h
Clean Air Delivery Rate - particulates	> 500 m³/h	> 350 m³/h*	> 460 m³/h	> 470 m³/h
CADR - formaldehyde	-	-	> 160 m³/h	> 360 m³/h
CADR - TVOC	-	-	> 80 m³/h	> 250 m³/h
CADR - benzene	-	-	> 100 m³/h	> 300 m³/h
Room Coverage & Sound Pressure **				
Speed 1	10 m² @ 22 dB(A)	10 m² @ 22 dB(A)	10 m² @ 22 dB(A)	10 m² @ 22 dB(A)
Speed 2	20 m² @ 31 dB(A)	16 m² @ 31 dB(A)	20 m² @ 31 dB(A)	18 m² @ 31 dB(A)
Speed 3	34 m² @ 39 dB(A)	28 m² @ 39 dB(A)	34 m² @ 39 dB(A)	30 m² @ 39 dB(A)
Speed 4	48 m² @ 44 dB(A)	40 m² @ 44 dB(A)	48 m² @ 44 dB(A)	44 m² @ 44 dB(A)
Speed 5	66 m² @ 50 dB(A)	52 m² @ 50 dB(A)	62 m² @ 50 dB(A)	56 m² @ 50 dB(A)
Speed 6	94 m² @ 56 dB(A)	70 m² @ 56 dB(A)	88 m² @ 56 dB(A)	80 m² @ 56 dB(A)
Coverage @ ≤ 35 dB (quiet) **	20 m²	16 m²	20 m²	18 m²
Coverage @ ≤ 45 dB (medium) **	48 m²	40 m²	48 m²	44 m²
Coverage @ ≤ 56 dB (high) **	94 m²	70 m²	88 m²	80 m²
Fan Motor				
Motor technology	EC	EC	EC	EC
Origin	Germany	Germany	Germany	Germany
Fan type	energy-efficient, powerful and vibration-free fan, designed for 24/7 use	energy-efficient, powerful and vibration-free fan, designed for 24/7 use	energy-efficient, powerful and vibration-free fan, designed for 24/7 use	energy-efficient, powerful and vibration-free fan, designed for 24/7 use
Power Consumption				
Speed 1	7 W	7 W	7 W	7 W
Speed 2	11 W	11 W	11 W	11 W
Speed 3	19 W	19 W	19 W	19 W
Speed 4	31 W	31 W	31 W	31 W
Speed 5	51 W	51 W	51 W	51 W
Speed 6	100 W	100 W	100 W	100 W
Special Features				
Smart Mode (quiet, balanced, max)	automatically adjusts fan speed according to sensor-detected in-room pollution in accordance with World Health Organization PM2.5 health recommendations			
German-made EC fan motor	designed for continuous use; offers energy efficient high airflow performance and superior built quality			
Built-in air quality sensor	for accurate real-time measurements of particulate matter (PM2.5)			
Air quality indicator	provides real-time visual feedback of current room air quality using the World Health Organization's air quality colour codes			
Touch-sensitive control panel	offers direct access to 6 fan speeds, smart mode on/off, WiFi on/off, filter status indicators, filter reset, display light on/off			
Smartphone remote control	for device management via IQAir's AirVisual app in 18 languages (EN, FR, DE, ES, AR, FA, HI, IN, JA, KO, MN, MS, PL, RU, TH, VI, ZH simp. & trad.)			
AirVisual app integration	provides graphic display of hourly, weekly and monthly in-room air quality development			
Advanced programmable timer	enables easy programming of hourly, daily and weekly operation schedules at different fan speeds and smart modes			
WiFi connectivity	allows selection of outdoor reference station for real-time indoor vs. outdoor air quality comparison (Note: WiFi can be deactivated)			
Intelligent filter life monitor	calculates remaining filter life based on actual operating hours, fan speed and sensor-detected particle concentration			
320° EvenFlow™ Diffuser	ensures draft-free clean air supply			
Reduced sound emissions	thanks to fan-in-centre achitecture, double-wall housing design and individually balanced fan wheel			
Control panel lock (child-lock)	prevents unauthorised tampering with selected settings			
Compatibility	AirVisual app for access to all control features and graphic display of real-time and historic air quality data			
	IQAir Web Dashboard for device and fleet management, setting of smart/threshold alerts, graphic display and download of air quality data (subscription fees may apply)			
	AirVisual Outdoor air quality monitor link for real-time indoor vs. outdoor air quality comparison			
Accessories				
Supplied	casters, certificate of performance, manual			
Optional	VMF (wall-mount), InFlow and OutFlow (pressure ducting adaptor)			
Origin				
Origin	Switzerland			
Warranty	3 years			
Filter availability guarantee	25 years			

* not 3rd party tested for CADR.
** Note: IQAir's room coverage calculations are always based on actual (certified) airflow rates and determined conservatively, because the goal is to achieve significant air quality improvements in real-world environments. Therefore, IQAir is aiming at least 2 air changes per hour (ACH) of the room's air volume. In closed rooms where there are no significant indoor sources of air pollution and no ventilation systems bringing in contaminants, the room coverage of IQAir high-performance air purifiers is more extensive, covering areas of up to twice the stated room size. Other brands use 1 or less ACH for their room coverage calculations and often base their coverage claims on theoretical airflow rates, which have not been individually tested and are typically overstated.
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