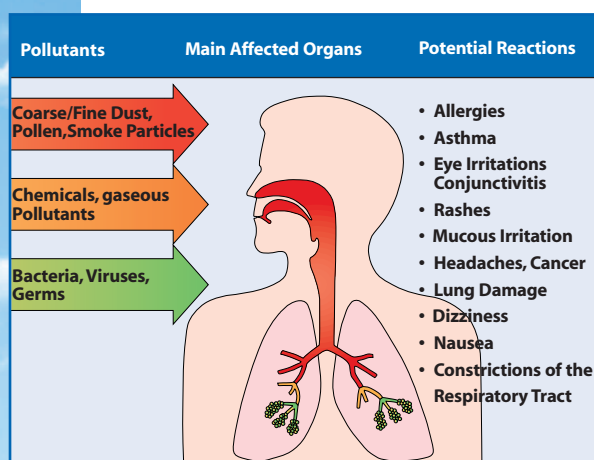


## Clean Air for a Healthier Life

Without doubt the air that we breathe has a strong impact on our lives. We can survive for days without food and water, but only few minutes without air. The quality of the air we breathe is also of essential importance for our well-being. The less allergens, microorganisms and chemical pollutants we breathe, the less the chance of becoming ill.



### Reason for Concern?

Although reports about the harmful effects of outdoor air pollution are published almost daily, studies performed by leading environmental protection agencies prove that the air in domestic and office environments is up to 100 times more polluted than outdoor air.

Individuals suffering from respiratory tract diseases or those with weakened immune systems are especially at risk. However, viruses, bacteria, tobacco smoke, pesticides and combustion gases can also lead to acute and chronic health problems in healthy individuals.

### How can you Protect Yourself?

IQAir® systems offer the most advanced air cleaning solutions against indoor air pollution. The certified efficiency of the systems has led to the worldwide use of IQAir® in a great range of indoor applications. The systems are even used to protect patients against fatal infections in critical hospital environments.



## IQAir® High Performance Air Cleaning – Main Series

The IQAir® Main Series consists of 3 different mobile HEPA air cleaning systems for the filtration of airborne particles, infectious microorganisms and gaseous contaminants. IQAir® Systems filter the air by recirculation or by fitting one of the various IQAir® ducting adaptors to create protective positive or negative pressure environments.

### IQAir® Allergen 100

*The Allergy Specialist*

This high-performance air cleaner provides certified filtration of airborne particulate pollutants.

#### Filtration Spectrum

Allergens, dust, pollen, bacteria, viruses, mould spores, pet allergens, smoke particles and other airborne particulate pollutants.

#### Application Areas

Domestic and office environments, waiting rooms, hotel rooms, nursing homes, kindergartens, schools, allergy clinics, general hospital areas etc.



#### Filter Features:

##### HyperHEPA® Filter (class H12/13)

- guaranteed efficiency of over 99.5% even for the smallest microorganisms; more than 99.97% efficiency for particles  $\geq 0.3$  micron
- up to 100 times higher particle retention capacity than conventional HEPA-filters

##### High-Efficiency PreMax™ Pre-Filter (class F8)

- up to 55% efficiency for particles  $\geq 0.3$  micron
- prolongs the filter life of the HyperHEPA® filter up to 10 times compared to conventional HEPA-filters

### IQAir® HealthPro® 250

*The Allrounder*

In addition to the IQAir® Allergen 100 features, this model offers first class broad-spectrum filtration of gases and odours.

#### Filtration Spectrum

Allergens, dust, pollen, bacteria, viruses, mould spores, pet allergens, smoke particles, a broad range of gaseous pollutants and odours, e.g. vehicle and industrial combustion gases and tobacco smoke.

#### Application Areas

Domestic and office environments, smoker rooms, waiting rooms, hotel rooms, nursing homes, kindergartens, schools, allergy clinics, general hospital areas etc.



##### HyperHEPA® Filter (class H12/13)

- guaranteed efficiency of over 99.5% even for the smallest microorganisms; more than 99.97% efficiency for particles  $\geq 0.3$  micron
- up to 100 times higher particle retention capacity than conventional HEPA-filters

##### V5-Cell™ Gas- and Odour Filter

- dual granular media removes a broad spectrum of gaseous pollutants and unpleasant odours
- V5-Cell™ design optimises air delivery rate

##### High-Efficiency PreMax™ Pre-Filter (class F8)

- up to 55% efficiency for particles of  $\geq 0.3 \mu\text{m}$
- prolongs the filter life of the V5-Cell™ and HyperHEPA® filter up to 10 times compared to conventional gas- and HEPA-filters

### IQAir® GC Series

*The Gas & Odour Specialist*

Four different models are available for the removal of specific gases and odours:

#### IQAir® GC MultiGas™

Acetone, hydrocarbons and hydrogen sulfide, formaldehyde, volatile organic compounds (VOCs), organic acids, nitrogen oxide, sulphur oxide.

#### IQAir® GC VOC

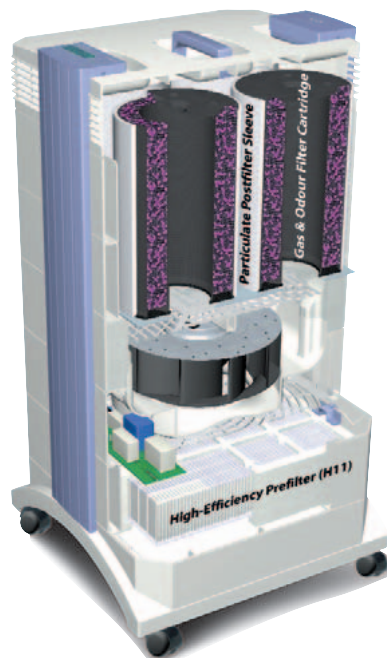
Volatile organic compounds (VOCs), chloric gases, hydrocarbons, nitrogen oxide.

#### IQAir® GC ChemiSorber

Sulphur oxide, formaldehyde, hydrogen sulphide, nitrogen sulphide, organic acids and aldehydes with a low molecular weight.

#### IQAir® GC AM

Pungent odours (e.g. ammonia).



#### Filter Sleeves for Airborne Particles

- electrostatically charged
- filter activated carbon dust and fine dust

#### Gas Filtration Cartridges

- 4 cartridges with a choice of special granular media filter a wide variety of gaseous pollutants and unpleasant odours by physical adsorption, absorption and/or chemical oxidation (chemisorption) processes

#### High-Efficiency Pre-Filter (class H11)

- HEPA-filter with  $\geq 99\%$  efficiency at  $\geq 0.3$  micron particle size
- prolongs the life of the gas filter cartridges

# Superior Filtration due to State-of-the-Art Filter Technologies

IQAir® air cleaners make use of the same advanced filtration technologies that are normally only used in critical health-care and laboratory environments. The use of the highest-quality components and first-class filter media guarantees the reliable and efficient performance of IQAir® systems even in the most demanding applications.



Open and...

...replace.

## Fast and Safe Filter Replacement

One of the most attractive features of the IQAir® system is the simple filter replacement. Whether the system is wall-mounted or used as a recirculation system, the unique IQAir® housing design enables quick and safe access to all filter elements. No tools required.

The revolutionary IQAir® housing and filter design is documented in numerous patents. Patents have been granted in the USA, Europe and Asia. Further patents pending.

## Real Cleanroom Filtration Performance

IQAir® systems achieve a very high filtration efficiency, even for the tiniest airborne particles. Laser particle counters used for the verification of air quality in cleanrooms prove that there are practically no particles left in the clean air stream of IQAir® systems.



Easy filter replacement in seconds



Quality control: Every IQAir® system is individually certified for actual filtration efficiency and air delivery



## "Very good" Particle Filtration

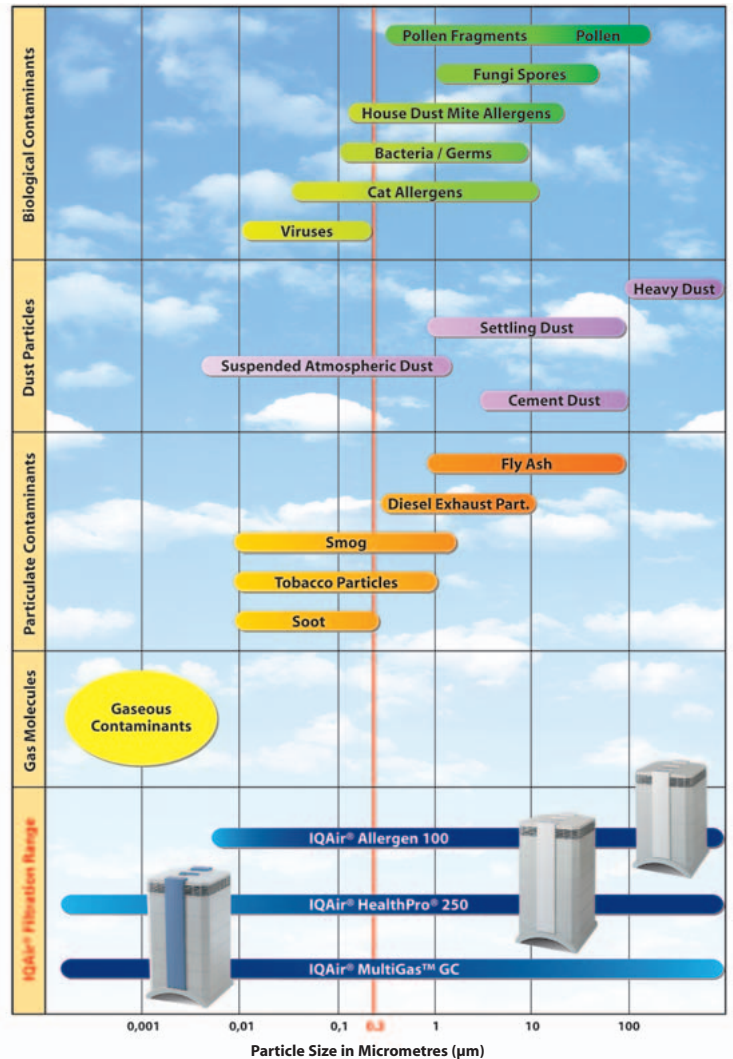
In an independent air cleaner test by the renowned German consumer product testing agency *Stiftung Warentest* in September 1998 the IQAir® was the only air cleaner to receive the top mark "very good" for the removal of airborne particulates. The agency rated the IQAir® HealthPro® 250 as the best system for allergy sufferers out of the ten international air cleaners tested.

## Chosen by the American Lung Association

IQAir® was selected by the U.S. Lung Association as their exclusive partner for indoor air quality education, sharing a strong joint commitment to improved lung health.

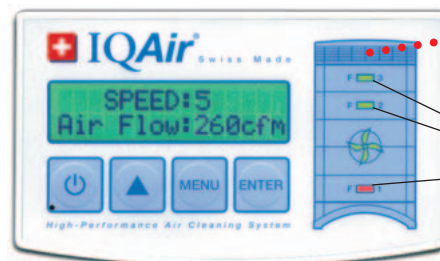


\*The American Lung Association does not endorse products



## Advanced Controls

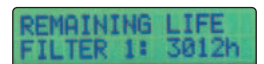
The IQAir® control panel offers a range of advanced, yet user friendly features to optimise the IQAir® for individual needs. The standard features include a 2-line LCD display, an automatic timer, a programmable pollution load index, an intelligent filter life monitor, a filter replacement indicator for each filter and 5 fan speed settings.



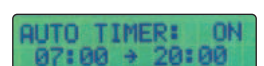
Remote control for convenient operation

Filter Life LEDs give visual signal when it's time to replace a filter

**Intelligent Filter Life Monitor** tracks the remaining life of each filter by taking actual usage and programmable air quality conditions into account.



**Automatic Timer** allows the system to be programmed to switch on and off at specific times and on specific weekdays



# Technical Overview and Accessories



## IQAir® Features Comparison Chart

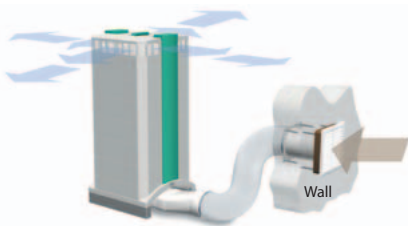
	<b>Allergen 100</b> <i>The Allergy Specialist</i>	<b>HealthPro® 250</b> <i>The Allrounder</i>	<b>GC Series</b> <i>The Gas &amp; Odour Specialist</i>
<b>Coarse and fine dust filtration</b>	✓✓✓	✓✓✓	✓✓✓
<b>Gas, chemical and odour filtration</b>	no	✓✓	✓✓✓
<b>Filtration of bacteria and viruses</b>	✓✓✓	✓✓✓	✓✓
<b>Total system efficiency for particles</b>	≥99.97% @ ≥0.3 µm (certified)		≥99% @ ≥0.3 µm (certified)
<b>MPPS<sup>1</sup>-efficiency according to EN1822</b>	≥99.95% @ 0.22 µm (up to 190 m³/h); ≥99.50% @ 0.16 µm (up to 475 m³/h)		-
<b>Pre-filter</b>	PreMax™ Class F8 pre-filter; surface area: 2.3 m²		HEPA filter Class H11; surf. area 2.3 m²
<b>Gas- &amp; odour filter</b>	no	V5-Cell™; granular media (2.3 kg)	granular media cartridges (4 - 8 kg)
<b>Particle filter</b>	HyperHEPA®; surface area 3.8 m²		electrostatic filter sleeves
<b>Maximum air delivery rate<sup>2</sup></b>	380 m³/h	380 m³/h	360 m³/h
<b>Suitable for rooms up to</b>	75 m²	75 m²	70 m²
<b>Sound pressure / sound power</b>	L <sub>PA</sub> = 35 - 59 dBA / L <sub>WA</sub> = 45 - 70 dBA		
<b>Dimensions (height x depth x width)</b>	61 x 41 x 38 cm	71 x 41 x 38 cm	
<b>Weight (incl. filters)</b>	ca. 12 kg	ca. 16 kg	ca. 19-22 kg (depending on model)
<b>Supplied accessories</b>	remote control	remote control, casters	remote control, casters, cartridge-key
<b>Special control features</b>	intelligent filter life monitor, filter replacement LEDs, programmable timer, 5 fan speeds, 5 display languages		
<b>Origin / Guarantee</b>	Made in Switzerland / 3 years <sup>3</sup>		

<sup>1</sup> Most Penetrating Particle Size <sup>2</sup> Tolerance: ±10% and ± 10 m³/h <sup>3</sup> warranty is limited to one (1) year when used in commercial/professional applications.

## IQAir® Accessories

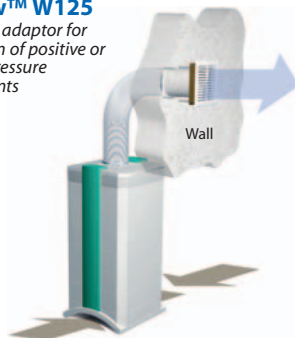
### InFlow™ W125

Air ducting adaptor for the creation of positive or negative pressure

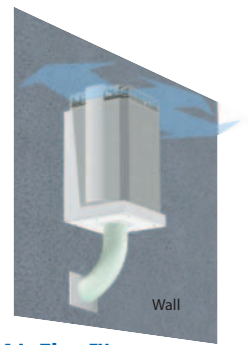


### OutFlow™ W125

Air ducting adaptor for the creation of positive or negative pressure environments



**VMF™**  
Wall Mount Fixture for IQAir® systems



**VM InFlow™**  
Wall Mount Fixture with air duct adaptor for the creation of positive or negative pressure environments

## Swiss Precision and Quality

Each IQAir® system is an example for Swiss precision and workmanship, superior technology and the outcome of ongoing research and development.

More than 40 years of experience in the field of air purification enables IQAir® to produce air cleaners with the best price-performance ratio worldwide and air cleaning solutions even for the most challenging applications.

For further information, please contact your authorised IQAir® dealer:

[www.iqair.com](http://www.iqair.com)

The improvement of indoor air quality (IAQ) that can be achieved with IQAir® depends not only on the function of the system, but also on the environment, for instance the room size, type and concentration of pollutants and the intensity of the pollution source. Contact an IAQ expert to find an effective and comprehensive IAQ-strategy. Source capture and ventilation should stand at the beginning each air quality measure.

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