

The HealthPro 250

THE ALL-ROUNDER

HEALTHPRO 250 FILTER TECHNOLOGY



The Powerful Allergy and Asthma Specialist

The HealthPro 250 is IQAir's best selling room air purifier. It combines four advanced filtration technologies to effectively remove a great variety of BOTH particulate AND molecular air pollutants. Due to its wide coverage area (75 sq. mts.) it is equally as well suited for health conscious individuals as those suffering from respiratory conditions.

The molecular effectiveness makes this device also suitable for asthma sufferers, as asthma is often triggered by chemical irritants, as well as allergens.

The IQ HyperHEPA® - 100x better than hepa

IQAir's patented HyperHEPA filters are the first filters tested and certified to filter down to an unbeatable 0.003 microns with a guaranteed minimum efficiency of over 99.5%..

No other commercial air cleaner in Australia can offer this amazing, 100 times better than HEPA air cleaning efficiency.

Most air purifiers only filter particles larger than 0.3 microns in size, but 90% of all ultra fine particles are smaller than 0.3 microns. This means that most air purifiers are only filtering 10% of the particles in your air. This allows your HealthPro to capture the ultra fine particles that other air purifiers miss.

HealthPro 250 = superior performance for

Odour control

Pets
Musty smells
Cooking odours
Paint odours

Allergen control

Mould spores
Pet dander (cat, dog, etc.)
House dust mite allergens
Pollens

Molecular control

Volatile Organic Compounds (VOCs)
Formaldehyde

Complex air pollution issues

General indoor air pollution
Tobacco smoke
Bushfire smoke and haze
Smog and industrial pollution

Microorganism control

Bacteria
Viruses



Filter Technology - refer diagram

1. Micro-particle filtration

Eliminates micro-particles such as pollen, pet dander and mould spores.

2. Granular activated carbon adsorption

Eliminates volatile organic compounds (VOCs), which are responsible for odours.

3. Pelletized chemisorption

Destroys harmful chemicals, such as formaldehyde, by an oxidation process inside a chemically active alumina pellet.

4. HyperHEPA® filtration

Eliminates bacteria, viruses and combustion particles from vehicles and smoke, through a nano-fiber structure.

The HealthPro 250

World leader in the removal of Airborne Particles & Molecules



AVAILABLE IN AUSTRALIA:
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IQAir® HealthPro® 250 – The Features



User-friendly scroll-through LCD display enables easy access to unique programming and menu options.

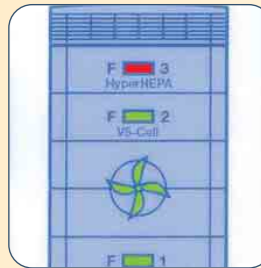
Intelligent filter life monitor – calculates when it is time to replace filters, taking actual use, fan speed and programmed pollution levels into account.

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

Electronic filter life monitor and filter change indicator for every filter.

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

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



Advanced gas and odour removal – The IQAir® HealthPro 250 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.



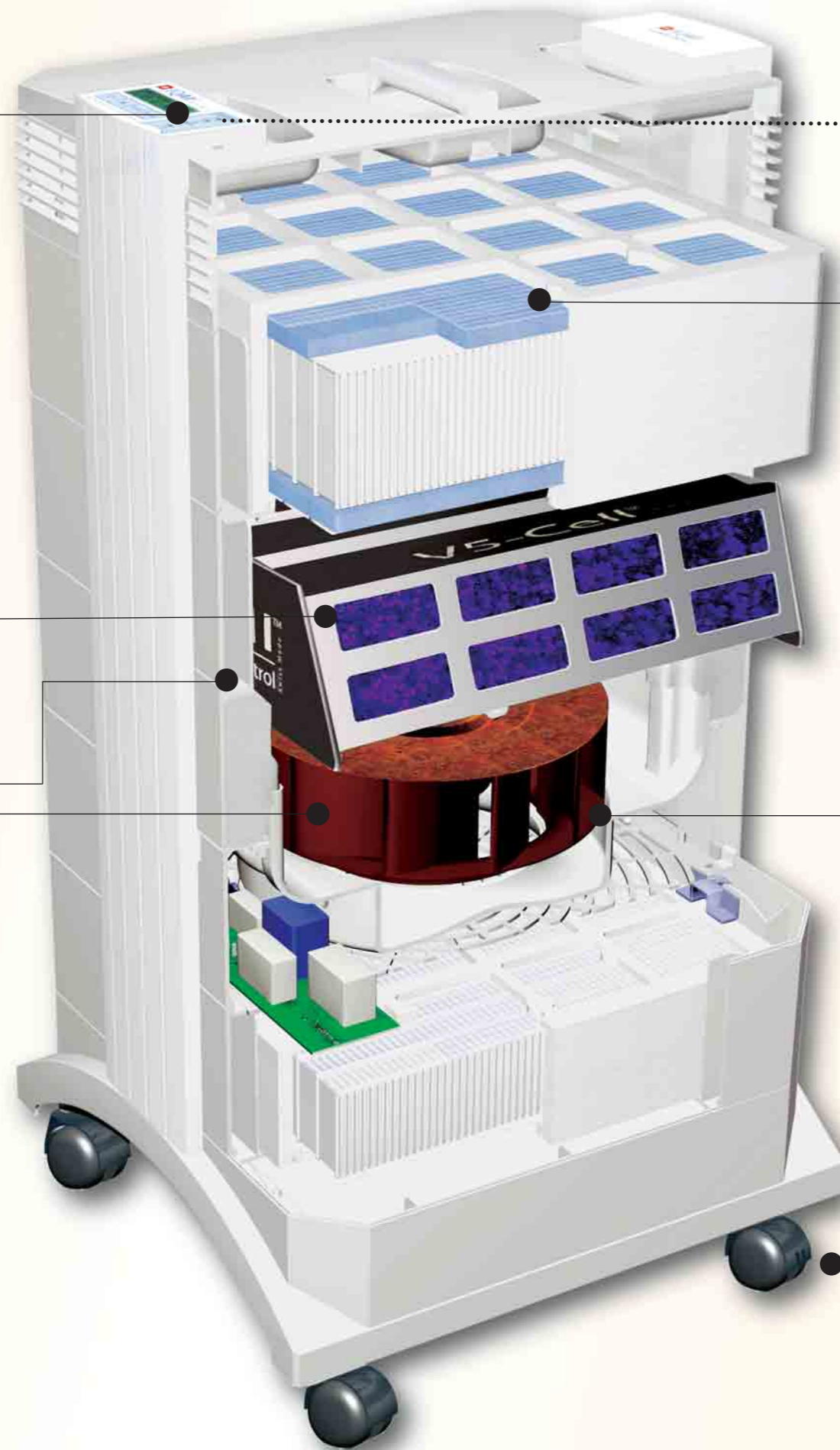
Ultra-quiet design – IQAir's "fan-in-centre" design places the fan motor in-between sound attenuating filters. The double-walled housing effectively reduces sound transmission. Rubber suspension pads systematically isolate motor vibration from the air cleaner housing. The result is an air purifier quiet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



Remote control – The sleek ultra-thin remote control allows convenient operation from several meters distance.

IQAir's unique **HyperHEPA® technology** is tested and certified to filter ultrafine pollution particles down to 0.003 microns in size with a guaranteed minimum efficiency of over 99.5%. This is 100 times smaller than what ordinary air cleaners can filter and 10 times smaller than a virus.



Tested and certified – IQAir's HyperHEPA® filter is the world's first residential air filter to be tested and certified in accordance with European Norm EN1822, the industry's most stringent test standard for air filters. This guarantees uncompromising performance even in the most demanding applications.

100% ozone-free – IQAir® systems are certified to produce absolutely no ozone.

The high-performance 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.



Technical Specifications: IQAir® HealthPro® 250

Specifications	
Air delivery per fan speed (in m³/h)*	1:40 2:80 3:150 4:200 5:240 6:380
Weight (incl. filters)	ca. 16 kg
Power requirements	220-240 V / 50-60 Hz
Energy consumption	ca. 20 - 160 W
Dimensions (H x W x D)	71 x 38 x 41 cm
Fan motor	centrifugal, backward curved, with thermal protector, non-stop use approved
Control panel	4-key touch-pad with 16 character 2-line LCD display
Air intake	dual arches at base of unit
Air outlet	320° EvenFlow™ diffuser
Colour of main housing / locking arms	light grey / white
Housing material	non-offgasing, impact-resistant, UV-stabilized ABS

Performance	
Total system efficiency (certified)	≥ 99.97% for particles ≥ 0.3 microns (µm)
Air delivery (certified)	yes
Leak tested	yes
EN1822 type-tested	yes
EN1822 classification	HEPA class H13, MPPS efficiency: ≥ 99.95% @ 0.22 µm at airflow rate ≤ 190 m ³ /h HEPA class H12, MPPS efficiency: ≥ 99.50% @ 0.16 µm at airflow rate ≤ 475 m ³ /h

Filter Configuration	
Pre-filter	Type: PreMax™ large capacity, high accumulation pre-filter Purpose: control of coarse and fine dust particles; protection of subsequent filters Media type: ASHRAE 85% high-accumulation media, 55% efficient at ≥ 0.3 µm Surface area: 2.8 m ²
Gas & odour filter	Type: V5-Cell™ wide-spectrum gas and odour filter Purpose: control of a wide range of gaseous and chemical contaminants Media type: activated carbon and activated alumina impregnated with KMnO ⁴ Weight: ca. 2.5 kg
HEPA-filter	Type: HyperHEPA® cleanroom grade high-efficiency particulate arresting filter Purpose: control of ultra-fine particles such as allergens, bacteria, fungal spores and viruses Media type: HEPA class H12/13; ≥99.97% efficient at ≥ 0.3 µm Surface area: 5.0 m ²

Features	
Multiple display languages	English, French, German, Italian (user-selectable)
User selectable fan speed settings	6
Intelligent filter life monitor	yes (monitors filter life of each individual filter)
Filter life status LEDs	3
Advanced timer	yes (allows programming of operating hours and weekdays)
Advanced fan speed selection	yes (allows programming of different fan speeds for 2 different time periods)
Adjustable filter load indices	3 (large dust, chemicals and fine dust)
Supplied accessories	Remote control (including batteries), set of casters, power cable
Electrical safety approved and certified	IEC/IECEE (CB-Scheme), CE, SEV, KTL ,PCBC, EZU (depending on electrical requirements)

All technical specifications are subject to change without prior notice.

* measured at 230V/50Hz; tolerance ± 10% (± 10 m³/h)

IQAir® passes the World's Most Stringent HEPA-Filter Test

IQAir® HyperHEPA® filters are now tested and classified in accordance with the world's most stringent HEPA filter test: EN 1822. The test shows that IQAir®'s HyperHEPA® filter not only meets the HEPA standard, but that it exceeds it.

The efficiency of HEPA filters has been traditionally measured at 0.3 microns (μm). However, over 90% of all airborne particles found in the air are smaller than 0.3 μm . Most air cleaner manufacturers make no performance claims for these important tiny particles which include bacteria and viruses. That is because the old 0.3 micron DOP test for particulate filters was developed in the 1950s, a time when the precise measurement of tiny particles was very cumbersome and costly. While the DOP test provided some performance indication for the efficiency of particulate filters, it did not establish a filter's efficiency for particles that are smaller than 0.3 μm , nor which particles the filter was least efficient at removing from the air stream. This is important information since a HEPA filter can filter 99.97% of particles at 0.3 microns, but may filter significantly less at smaller particle sizes. The revolutionary EN (European Norm) 1822 test, on the other hand, determines a filter's absolute minimum efficiency for particles, irrespective of size.

The EN 1822 test protocol (or "MPPS-test", as it is also known), was established in the year 2000 as the world's most advanced and stringent air filter standard for particulate filters. Many high-tech manufacturers such as Intel already require their filter suppliers to provide them with EN 1822 certification. Also many hospitals insist on this test to have been passed to ensure a filter's suitability and integrity for airborne infection control in critical environments.

In essence, the EN 1822 is a two-part test:

The first part of the test determines which particle size penetrates the HEPA media most easily, hence the name MPPS (Most Penetrating Particle Size). Once the most penetrating particle size has been determined (e.g. 0.16 microns for the IQAir® HyperHEPA® filter), this information is used in the second part of the test.

To determine the filter's efficiency, part 2 of the test uses a test rig in which the HEPA filter is challenged only with particles of the previously determined most penetrating particle size (e.g. 0.16 microns). Since a filter's efficiency will also depend on the speed with which the air passes through the media, the test also determines efficiency at different air velocities, thus simulating actual conditions of use at different fan speed settings. This creates an absolute worst-case-scenario test for the filter.

An independent laboratory rated IQAir®'s HyperHEPA® filter to have a "worst case" efficiency exceeding 99.95% for airflow rates up to 190 m^3/h (112 cfm) and exceeding 99.5% for an air flow up to 475 m^3/h (280 cfm). In real terms this means that no matter how tiny an airborne particle may be, the IQAir®'s HyperHEPA® filter will capture it with an efficiency exceeding 99.5%. In other words, the HyperHEPA® filter captures even nano- and picometre sized particulates with at least 99.5% efficiency. This holds true for all of the system's fan speeds. As a result, the IQAir® HyperHEPA systems capture up to 100 times more particles than conventional HEPA air cleaners.

IQAir®'s HyperHEPA® filters are currently the world's only filters used in a mobile air cleaning system to have been type-tested inside the air cleaner's housing by an independent and accredited filter testing laboratory (Filtech Laboratories, Switzerland).

Note: For particles of 0.3 micron and larger, the IQAir® HyperHEPA® not only offers a 99.97% *filter* efficiency (which other air cleaners also claim as a *theoretical* efficiency statement), but the IQAir even guarantees an efficiency in excess of 99.97% for the entire air cleaning system (i.e. stating the air cleaner's *actual* efficiency in real working condition, even at the maximum fan speed).