

## IQAir - the Most Advanced Mobile Air Cleaning Systems in the World

### Air Cleaning is a Science

The key to the success story behind IQAir is the recognition that air cleaning is a science and that only air cleaners with the appropriate technologies can "really work", lead to true air cleaning solutions and customer satisfaction. However, to manufacture an air cleaner that cleans the air effectively is not easy as the great number of ineffective "air cleaning toys" in the market show. While other manufacturer's concentrate on mass-producing cheap devices, with inferior components and technologies, IQAir concentrates on manufacturing advanced air cleaning systems that offer world-leading performance and represent the best value-for-money air cleaning solution for their specific applications. The outstanding capabilities and high quality are exemplified by the fact that IQAir systems find prime application in critical medical sectors such as hospitals and laboratories where air cleaning demands are very high and specific.

### Certified Performance

To maintain IQAir's reputation for highest quality and performance, each IQAir system is tested and certified individually prior to leaving our manufacturing site in Switzerland. A *Certificate of Performance* included with each model guarantees that the very model the customer receives has been tested and certified for *actual* air delivery and *actual* filtration efficiency. The individual test results are recorded on the hand-signed test certificate.

### Superior HyperHEPA Filtration of Particles and Microorganisms

The filtration efficiency of IQAir models with HyperHEPA filters does not stop at 0.3 microns ( $\mu\text{m}$ ) as it does with most other HEPA air cleaners. IQAir's HyperHEPA filters have been tested in accordance with the world's most stringent HEPA filter test norm (European Norm EN1822) and are classified to have an absolute minimum filtration efficiency of 99.5% for even the tiniest and most harmful airborne viruses known to mankind (even at the highest fan speed setting!). As a result, IQAir systems can capture up to 100 times more airborne pollutants and microorganisms than normal HEPA devices.

**Superior Filtration of Chemicals and Gases** The best-selling model IQAir Cleanroom 250 contains a special mix of activated carbon and chemisorbents to address the widest possible spectrum of harmful chemicals. Most other manufacturers use only activated carbon or some dubious and cheap "stretching" materials that have no proven track record when it comes to the effective filtration of gases.

### Special IQAir Features

- **Intelligent filter life monitor** keeps track of the remaining filter life of each individual filter element by taking actual use and programmed pollution levels into account.
- **Filter replacement LEDs** alert the user when it is time to replace each individual filter. Any "forgotten" filter change means that the customer's air cleaner becomes ineffective.
- **Automatic hourly & daily timer** allows programming to suit the user's individual needs. So, for example, the IQAir can be programmed to run from Monday to Friday during office hours only, saving electricity and filter capacity when the air cleaner is not needed.
- **6 fan speed settings** with air delivery up to 450 m<sup>3</sup>/h (265 cfm).
- **Powerful high-performance fan motor assembly.** Each IQAir system uses the highest-quality fan motor available and is designed for maintenance-free non-stop use. The centrifugal, backward-curved fan has an astonishing 1200 m<sup>3</sup>/h (700 cfm) free-flow air delivery rate.
- **Remote control operation** for convenient operation from up to 5 metres distance.
- **Patented housing design** enables safe and simple filter replacement in a matter of seconds without the need for tools.
- **No-Draft Design.** IQAir systems are designed to avoid drafts by returning the air through a 320° diffuser.
- **Tough Housing construction.** The IQAir housing is built to last and look great for a lifetime using fully cured, high-grade injection moulded ABS.
- **Unique range of IQAir accessories.** All IQAir systems may be used as decentralised re-circulation units, or can be attached to special IQAir ducting adaptors (**OutFlow™** and **InFlow™**) to create positive/negative pressure environments in a matter of minutes. The creation of pressure differentials is used predominantly for airborne infection control in hospitals, but can also help to protect homes and offices against outdoor allergens and pollutants.

Other available IQAir accessories include the wall-mount bracket (**VMF™**) for the vertical mounting of IQAir systems, the source-capture suction kits (**FlexVac™** and **VM FlexVac™**) and the coarse dust pre-filtration kit (**PF40**) for environments with elevated levels of coarse dust.