

IQAir® Cleanroom Series

Professional Control of Airborne Microorganisms and Particulate Contaminants

The IQAir Cleanroom Series offers a range of decentralised HEPA air cleaning systems designed to meet airborne infection control and particulate contamination challenges in critical indoor environments.

IQAir systems filter the air by recirculation or by creating true positive or negative pressure environments with special ducting adaptors.

To guarantee actual filtration efficiency and clean air delivery rates, each system is individually tested and certified.

IQAir's filtration efficiency, versatility and mobility make it the most advanced and cost-effective decentralised filtration system available today.



Professional Control of Airborne Particulates

The IQAir Cleanroom Series is a line of advanced air cleaning systems designed specifically for the removal of solid and liquid airborne particles.

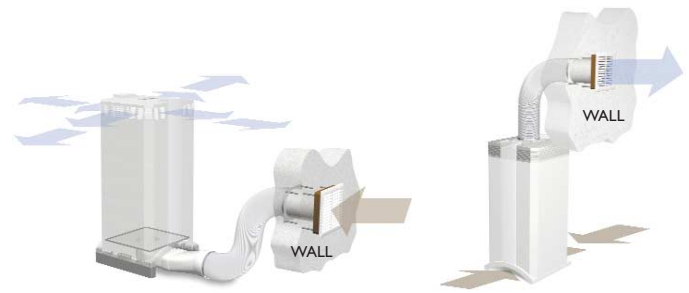
HEPA and ULPA Filtration

The Cleanroom Series provides a choice of 2 models, each with a specific filter efficiency and air delivery profile. While health-care facilities may require higher air delivery to achieve optimum control of microorganisms (e.g. in ICUs or TB isolation rooms), a cleanroom facility may need a filtration efficiency of 99.97% to meet strict manufacturing regulations or standards.

Cleanroom H11	≥99% 0.3 µm	480 m³/h
Cleanroom H13	≥99.97% 0.3 µm	400 m³/h

Positive & Negative Pressure Environments

Each IQAir Cleanroom system can be used as recirculation device, or can be connected to special ducting adaptors to create positive and negative pressure environments. These pressure environments are particularly beneficial when the containment of harmful microorganisms and particles, or the protective isolation of immuno-compromised patients is required.



IQAir with InFlow & OutFlow ducting adaptors for the creation of pressure differentials to isolate airborne microorganisms.

Advanced Controls

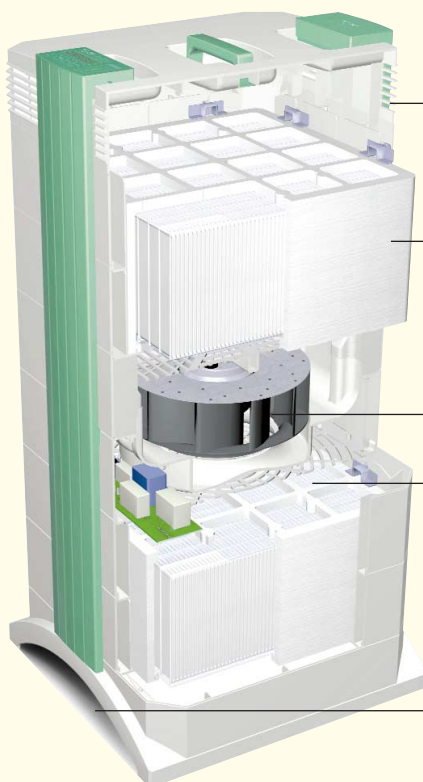
The sophisticated control features of IQAir systems include a micro-chip controlled filter-life monitor that calculates when it's time to change filters, taking actual use and contamination levels into account. An integrated timer allows the system to be programmed to switch on and off at the desired times on the desired weekdays. Each IQAir system also includes a remote control.

Medical Applications include:

- Protective Isolation Rooms
- ICUs
- Burn Units
- Operating Rooms
- Organ Transplant Wards
- Oncology Wards
- Research & Microbiology Labs
- TB Isolation & Anterooms

Commercial Applications include:

- FDA-Required "Controlled Environments"
- Medical Device Manufacturing & Packaging
- Food Processing & Packaging
- Air Locks
- Cleanroom Gowning Rooms
- Critical Data Storage Facilities



Cleanroom Series: Features

Air Outlet Diffuser

- returns clean, low turbulence, low velocity air
- **optional:** outlet adapter to create positive and negative pressure environments (OutFlow)

HEPA/ULPA Filter Element

- Choose between efficiencies of 99% and 99.97% at 0.3 µm (class H11 to H13)

High-Performance Centrifugal Fan

- air delivery with filters: up to 480 m³/h
- fan capacity: 1200 m³/h
- low energy consumption: 90-160 watts

Pre-Filter Element

- fine dust filtration with mini-pleat 55% efficient media at 0.3 µm (ASHRAE 90-95%, class F8)
- prolongs life of HEPA and ULPA filters

Dual Air Intake

- maximum distance from air outlet prevents re-intake of already cleaned air (short-cutting)
- **optional:** air intake adapter to create positive and negative pressure environments (InFlow)