



GC Series



Professional Control of Gaseous Pollutants and Odours

Never before has gaseous contaminant control been more compact, versatile and affordable than with the IQAir® GC advanced filtration systems.

A broad range of gas phase filter cartridges allows customised control of almost any gaseous pollutant or odour problem.

With up to 17 lbs. (8 kg) of specially formulated gas phase filter media, IQAir® GC systems are perfectly suited to take control of gaseous contaminants in residential, commercial or medical environments.

The systems' HEPA pre-filter ensures that airborne particulates, such as microorganisms, are removed with an efficiency of up to 99%.

With the help of a wide range of special accessories, every IQAir® GC system can easily be customised to meet individual requirements.

Professional Control of Gaseous Contaminants and Odours

The IQAir® GC Series is a specialised line of advanced air cleaning systems that meets almost any contaminant removal need in residential, commercial and medical environments. Since different gaseous contaminants can only be effectively filtered with specialised gas phase media, IQAir® GC systems are available in a range of special configurations.

Gas Cartridge Technology

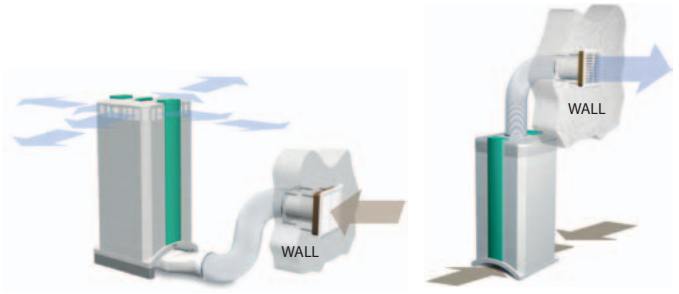
IQAir® GC systems contain four filter cartridges to hold up to 17 lbs. (8 kg) of gas phase filtration media. The cylindrical shape of the cartridges allows for optimum contact between the contaminated air and gas phase media, which ensures high removal efficiencies. The large surface area of the cartridges enables high air flow rates to be maintained.

High-Efficiency Particulate Filtration

The particulate filtration in IQAir® GC systems complements the gaseous filtration process by removing over 99% of particulates before they can reach the gas phase media. This increases the efficiency and life of the media by preventing its pores from clogging with particles. The IQAir® GC systems' overall filtration efficiency for airborne particles is up to 99% at $\geq 0.3 \mu\text{m}$.

Advanced Controls

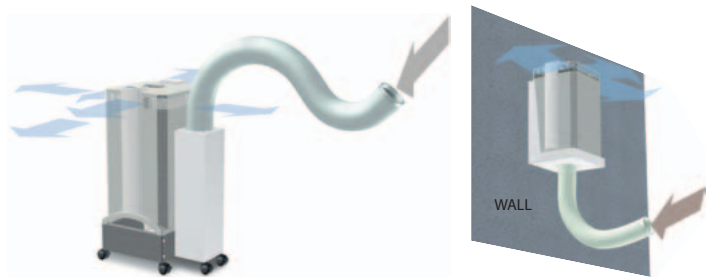
The sophisticated control features of IQAir® systems include a microchip controlled filter-life monitor that calculates the remaining filter life, taking actual use and contamination levels into account. An integrated timer allows the system to be programmed to switch on and off at the desired times on the desired weekdays. The patented IQAir® housing design permits quick and safe replacement of the individual filter elements without any tools. For added convenience, each IQAir® system is supplied with a remote control.



IQAir® systems connected to InFlow™ and OutFlow™ ducting adaptors for the creation of pressure differentials between adjacent areas.

Accessories

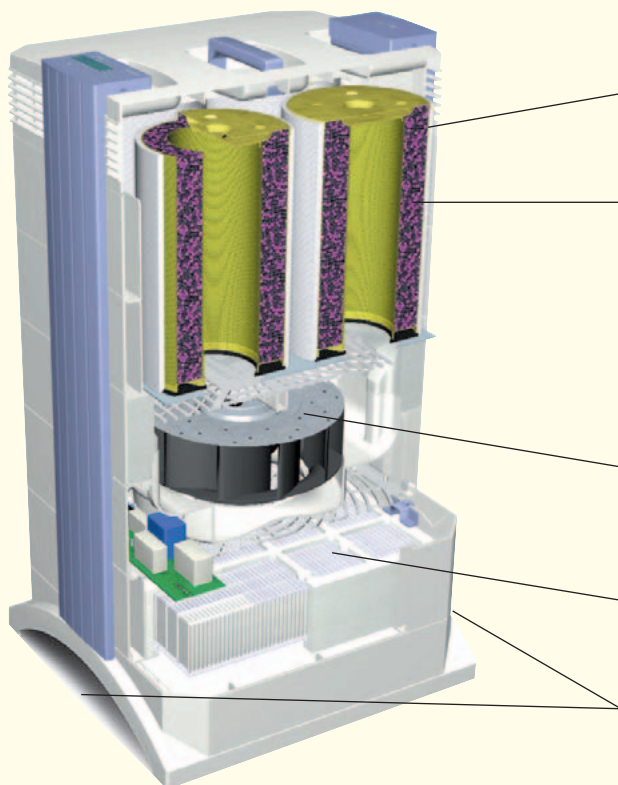
A wide range of special accessories allows IQAir® GC systems to be wall-mounted, to create pressure differentials between rooms, to contain or keep out harmful pollutants and to capture pollutants right at their source.



IQAir® systems combined with FlexVac™ and VM FlexVac™ source capture accessories.

Applications for the IQAir® GC Series:

- Areas with solvent contamination
- Autopsy labs & mortuaries
- Dissecting rooms
- Hair, nail & beauty salons
- Homes & offices close to traffic and industry
- Incontinence wards
- Museums and archives
- Medical & pharmaceutical labs
- Photo-processing labs
- Rooms with elevated concentrations of tobacco smoke
- Veterinary environments
- Workshops



IQAir® GC Series: Features

Post-Filter Sleeves

- electrostatically charged fibre filter
- captures dust from gas phase media

Gas Phase Filter Cartridges

- four cartridges with a total gas phase media weight of up to 17 lbs. (8 kg) per unit
- large selection of gas phase cartridges, e.g.:
 - IQAir® VOC (volatile organic compound control)
 - IQAir® MultiGas™ (wide spectrum gas & odour control)
 - IQAir® ChemiSorber (formaldehyde, hydrogen sulfide, nitric oxide and sulfur dioxide control, etc.)
 - IQAir® AM (ammonia and amines control)

High-Performance Centrifugal Fan

- max. air delivery with filters: 210 cfm (360 m³/h)
- fan capacity: 700 cfm (1200 m³/h)
- low energy consumption: 30-150 watts

HEPA (High-Efficiency Particulate Air) Filter

- up to 99% efficiency at $\geq 0.3 \mu\text{m}$ (class H11)
- prolongs life of gas phase filter

Dual Air Intake

- maximum distance from air outlet prevents immediate re-intake of cleaned air (short-cutting)