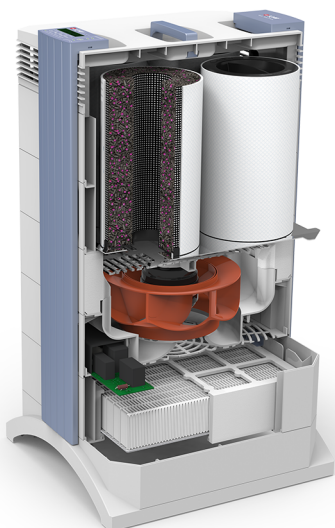


IQAir® GC Series: The Chemical, Gas and Odour Specialists

IQAir systems are used by world leading research laboratories, hospitals and commercial institutions to provide customised air cleaning solutions for critical environments. The IQAir GC systems offer advanced filtration technologies for the professional control of chemical substances and odours in a compact format.



cross section view

Powerful Certified Performance

Each IQAir GC system is individually tested and certified. A hand-signed certificate of performance provides the results of the filtration efficiency and airflow test performed on the system. We guarantee a minimum total system efficiency of 99% for airborne particles $\geq 0.3 \mu\text{m}$ and a maximum air delivery rate of 400 m³/h for all GC models.

IQAir GC systems only use effective and approved filtration technologies that are 100% ozone-free:

GC HEPA Pre-Filter H11 (S) - features a true HEPA filter surface of 3.0 m² (class H11) for the control of coarse, fine & ultra-fine particles.

GC Filter Cartridge Set - four gas and odour control filter cartridges offer between 4.2 to 7.8 kg of special granulated filter media (depending on media type) for the control of a wide range or specific gaseous substances and odours.

GC Post-Filter Sleeve Set - four electrostatically charged fibre sleeves offer effective post-filtration of fine and ultra-fine particulate matter.

Five different GC models are available for the control of gases and odours:



GC VOC: for higher molecular gaseous pollutants, including a broad variety of odour-causing organic compounds (e.g. dimethylamine), VOCs (e.g. benzene, toluene, xylene), solvents (e.g. cyclohexane, carbon disulphide, turpentine, trichloroethylene), alcohols (e.g. methanol, propanol), aromatic hydrocarbons (e.g. naphthalene, styrene), alkenes, esters (e.g. ethyl acetate) and ozone, etc.



GC ChemiSorber: for a broad range of chemical pollutants including many lower molecular aldehydes (e.g. formaldehyde) and organic acids (e.g. acrylic acid, acetic acid), sulfuric oxides (e.g. sulfur dioxide, sulfur trioxide) and nitrogen oxides (nitrogen monoxide, nitrogen dioxide), etc.



GC MultiGas™ for a broad spectrum of gaseous pollutants and odours, including hydrocarbons, volatile organic compounds (VOCs), sulfuric oxides, formaldehyde, hydrogen sulphide, lower molecular aldehydes and organic acids, nitrogen oxides, higher molecular gases, odours, ozone, etc.



GC AM: for ammonia, amines (e.g. methylamine, triethylamine), etc.



GC AcidPro™: for sour gases including caproic acid, caprylic acid, chlorine, formic acid, hydrobromic acid, hydrochloric acid, nitric acid, dinitrogen monoxide, sulfuric acid, etc.

Superior Long-Term Performance and Low Cost Operation

- Extra long filter life thanks to large capacity filters.
- Lower running costs due to fewer filter changes.
- Low electricity consumption (20 – 135 Watt) due to capacitor switching.
- Individual filter stages. Allow replacement of exactly those filters which are used up.

Exceptional Control Features

- Automatic timer allows programming to suit the user's individual needs (e.g. night time or office hours only).
- Intelligent filter life monitor calculates when it is time to replace filters, taking actual use, actual fan speed and preset pollution levels into account.
- LEDs on the control panel signal which filters need replacement.
- Selection of 6 fan speed settings with top air delivery of 400 m³/hour (with all filters installed).
- Remote control and Mobility Pro casters.

Top Quality

- 3 year warranty (1 year if used for commercial/professional purposes)
- Tough ABS housing construction (out-gassed)
- Powerful centrifugal fan certified for non-stop use – Free-flow rate: 1200 m³/hour.
- Patented housing design
- Patented filter design
- Swiss Made

Unique Adaptability

A wide range of IQAir accessories allows customisation of the IQAir GC Series to fit individual needs:

- mobile and wall-mounted source-capture kit with self-supporting flexible suction arm (FlexVac™, VM FlexVac™)
- wall-mounting bracket (VMF™)
- pos./neg. pressure ducting adaptors (InFlow™, VM InFlow™, OutFlow™)
- coarse dust prefilter (PF40)