

IQAir® Dental Hg : The specialist for mercury vapours and drill aerosols

IQAir systems are used by world leading research facilities, laboratories and medical institutions to provide customised air cleaning solutions for critical environments. The Dental Hg model offers the same advanced filtration technologies for the control of mercury vapours and infectious droplets of microorganisms during dental procedures.

Powerful Certified Performance

Each IQAir Dental Hg system is individually tested and certified. A hand-signed certificate of performance provides the results of the efficiency and airflow tests 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 the Dental Hg systems.

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

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

Dental Hg Cartridge Filter Set - four gas and odour control filter cartridges containing 5.0 kg of special granulated filter media provide effective filtration of mercury vapours resulting from the removal of dental amalgam.

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



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 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. 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 deluxe casters.

Optional Direct Source Capture

- The Dental Hg model is typically deployed in combination with the FlexVac mobile source capture kit which enables the source capture of dental amalgam vapours and infectious droplets during dental procedures.
- A research study completed in the UK showed that the use of the IQAir Dental system with FlexVac resulted in a dramatic reduction of airborne contamination in the clinical environment.

Swiss Quality

- 2 year warranty
- Tough ABS housing construction (out-gassed)
- Powerful centrifugal fan certified for non-stop use – Free-flow rate: 1200 m³/hour.
- Patented housing and filter design
- 100% Swiss Made