

BV700S-C

Air Filtration Cabinets

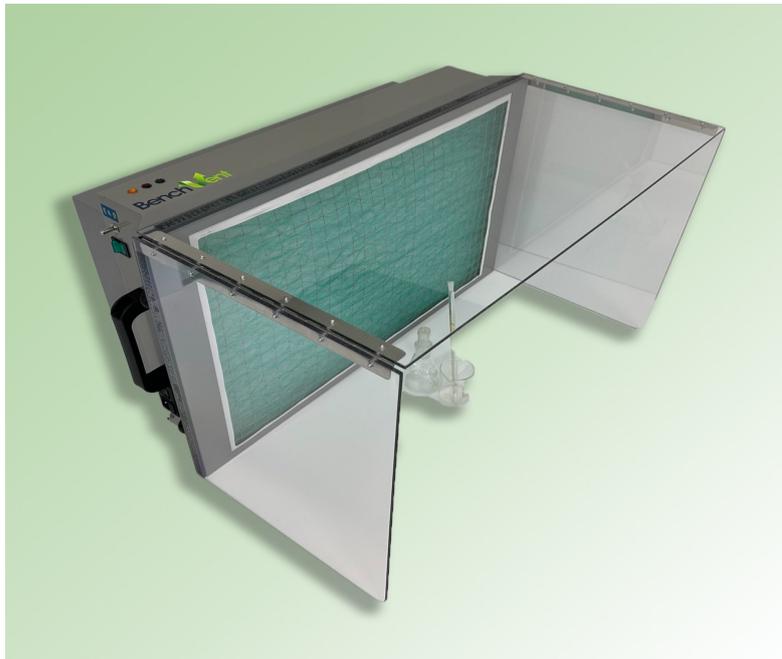
BenchVent
The Bench Ventilation Company

Desk/Bench top fume cabinets

Contain and filter for a cleaner, healthier working environment within dental labs, electronic design and rework, pharmaceutical labs, design and technology, science in education and more..... For use in numerous situations where external venting is impractical but where contaminant capture and filtration is necessary.

Applications include the filtration of fumes, vapour and particulates emanating from:

Monomers, adhesives, hazardous powders/particulates, conformal coatings, resins, sealants, solders, light grinding particles and dusts, organic solvents etc.



Demonstrating adequate control of the risks to the health of employees, students and the general public, from dusts, powders, mists, fumes and vapours is the fundamental requirement of the Control of Substances Hazardous to Health (COSHH) regulations 2002 and 2004.

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BenchVent Air Filtration Unit

NOTE: These units are recirculatory; i.e. filtered air is exhausted back into the workplace.

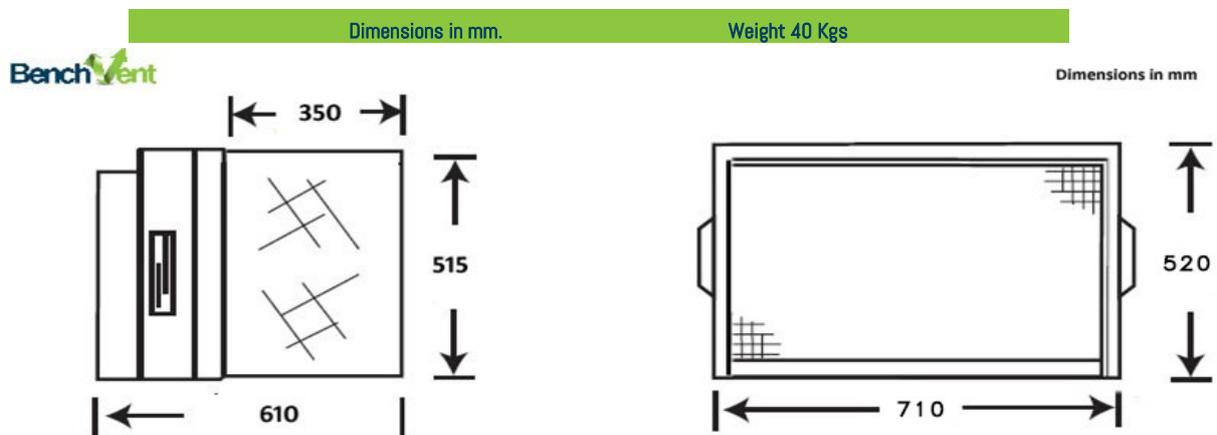
For a cleaner, healthier working environment.

Description

Fan/filter casing (steel construction finished in dove grey) – clear Polycarbonate folding plastic fume shield – particulate (Intake Filter) – bonded carbon filter – 2 x centrifugal blowers, external rotor motor type brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filters. The BenchVent BV700S-C is a large dual-speed high-efficiency filter cabinet with clear acrylic capture shield to contain and filter for a cleaner, healthier working environment. The high quality and high performance design sees the BV700S-C in operation in dental labs, electronic design & rework, pharmaceutical labs and design & technology environments. It also suitable for use in the education sector.

Operation

All BV filtration and extraction systems carry a lifetime warranty, are quiet in operation and can be assembled in seconds. Place onto a desk, bench or trolley and then simply plug in and switch on.



Filtration

The particulate (intake) filter is a three stage graduated fibre filter (filtration to 5.0 micron particles) with a high 'dust' holding capacity for long life. (Optional EPA filters available to approx 0.3micron particles). This is followed by a high grade bonded carbon filter.

Through the process of filtration, adsorption and dilution, operator exposure to potentially hazardous substances is vastly reduced or eliminated.

Specification

Model Number	Fan Motor* Spec	Air Volume At Free Air	Ave. Air Velocity At Filter Face	Ave. Air velocity At Shield Face	Noise Level LAeq dB (A)
BV700S-C	230V 50Hz 210W	710m ³ /hr	0.55m/sec	0.50m/sec	62

*115v 60Hz available on request

These units are designed for immediate operator protection from concentrations of airborne contaminants whereby all gases, fumes, vapours and particulates at the front of the unit are drawn into the intake filter. Cleaned air is exhausted to the top rear of the cabinet. See BV660's and BV930's Fume Hoods and Cabinets for higher specification requirements

Please contact BenchVent for advice on the choice of machine for any given situation.

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