

# BV100H

## Air Filtration Cabinets

**BenchVent**  
The Bench Ventilation Company

### Filtration Hood and Spray Booth

Capture, contain and filter for a cleaner, healthier working environment within art, graphics, design technology areas, crafts and modelling.

#### Applications include filtration of:

Aerosol adhesives (glue booth for Spray Mount), aerosol lacquers and fixatives and airbrush sprays applied to artwork up to A1 size. Option of placing drawing boards into the hoods at an angle for efficient overspray capture.

The workstation hood also accommodates prototypes, models, ceramic parts, PCB's etc, placed onto the hood base to be sprayed, soldered, cleaned, glued, moulded, sanded etc.

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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.

[www.benchvent.com](http://www.benchvent.com)

# BenchVent Filtration Cabinets

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

For a cleaner, healthier working environment.

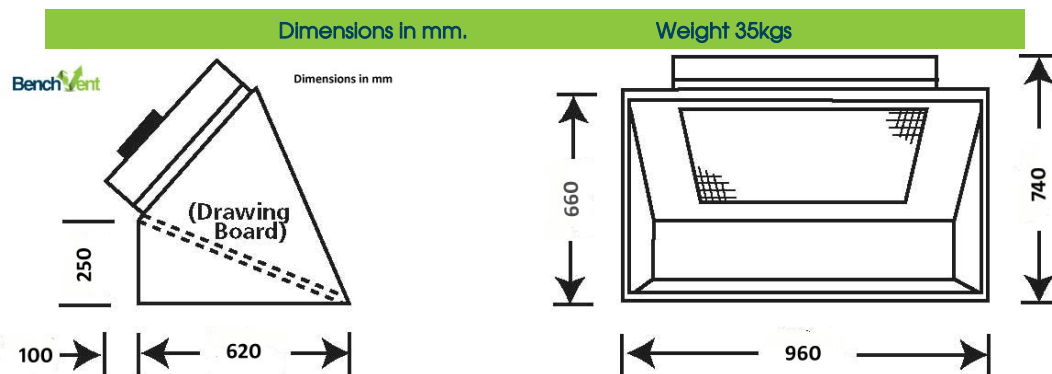
## Description

Steel construction finished in dove grey – fan/filter unit mounted onto hood enclosure - particulate filter – carbon impregnated fibre filter– 2 x axial fans, external rotor motor type brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filters.

## Operation

All WS 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.

For artwork applications, standard A1 drawing boards can be placed within the hood enclosure. The boards fit at an angle for efficient overspray capture. 3D items, models, printed circuit boards etc. may be placed onto the hood base for spraying, cleaning, sanding etc.



## Filtration

The particulate (intake) filter is a three stage graduated fibre filter with a high 'dust' holding capacity for long life. Filtration to 5 micron particles. NB: Spray particulate sizes vary from 10 to 20 microns. The carbon impregnated fibre filter (behind intake) assists in the reduction of solvent odours.

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

## Specification

Model Number	Fan Motor* Spec	Air Volume At Free Air	Ave. Air Velocity At Filter Face	Ave. Air Velocity At Hood Face	Noise Level LAeq dB(A)
BV100H	230V 50Hz 80W	650m <sup>3</sup> /hr	0.5m/sec	0.25m/sec	61

\*110v 50

or 60Hz available on

These units are designed predominantly for studio / classroom / workshop cleanliness and for immediate operator protection from concentrations of airborne contaminants. They are not recommended for continual usage, i.e. production applications, particularly in confined and/or badly ventilated areas. See extraction cabinets BV200H-D and BV100H-D for total solvent odour and gas extraction, or BV660H-C or BV930H-C filtration cabinets for higher specification filtration

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

T: 01423 790039

E: [enquiries@benchvent.com](mailto:enquiries@benchvent.com)

W: [www.benchvent.com](http://www.benchvent.com)

BenchVent, Unit 1 Levens Hall Park, Lund Lane, Killinghall, Harrogate, North Yorkshire, HG3 2BG

Company No: 03217859 Registered office: Widespread Solutions Ltd, Unit 1 Levens Hall Park, Lund Lane, Killinghall, Harrogate, North Yorkshire, HG3 2BG

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