

BV100H-D

Extraction Cabinets

BenchVent
The Bench Ventilation Company

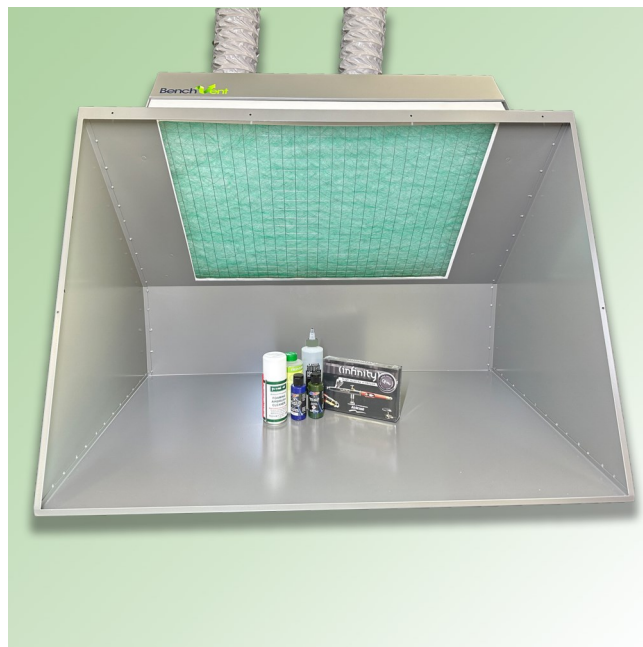
Air Extraction Hood and Spray Booth

Captures, filters and expels for a cleaner, healthier working environment within art, graphics, design technology areas, crafts and modelling and more...

Applications include filtration and extraction of:

Aerosol adhesives (glue booth for Spray Mount), aerosol lacquers and fixatives and airbrush sprays applied to artwork up to A2 size. A1 drawing boards can be placed 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.



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

BenchVent Extraction Cabinets

NOTE: These units exhaust air via flexi-duct to atmosphere.

For a cleaner, healthier working environment.

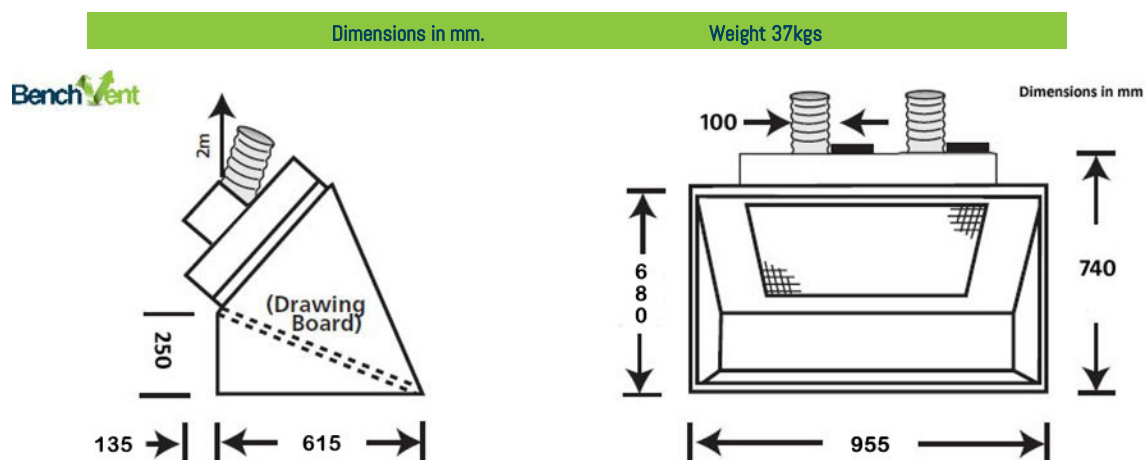
Description

Steel construction finished in dove grey RAL9007 – fan/filter unit mounted onto hood enclosure - particulate filter
- 2 x centrifugal blowers external rotor motor type, brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filter. 2 Flexi-ducts of 2 metres x 100mm dia.

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.

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, gluing etc. The Flexi-ducts can be fixed to a standard domestic vent, 100mm in diameter. Alternatively a Y-Piece can be purchased to form a single 150mm vent hole.



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.

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-D | 230V 50Hz 210W | 710m³/hr | 0.6m/sec | 0.27m/sec | 60 |

*115v 50 available on request

These cabinets are designed for studio / classroom / workshop cleanliness and for immediate operator protection whereby 'large' particulates (> 5 microns) are filtered out and 'fine' particulates (<5 microns) together with odours, gases, vapours and fumes within the hood enclosure are exhausted to atmosphere via the flexi-ducts.

See BV660H-C or BV930H-C filtration or T660H-D and T930H-D extraction cabinets for higher specification filtration and extraction

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

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