

# BV500S-D

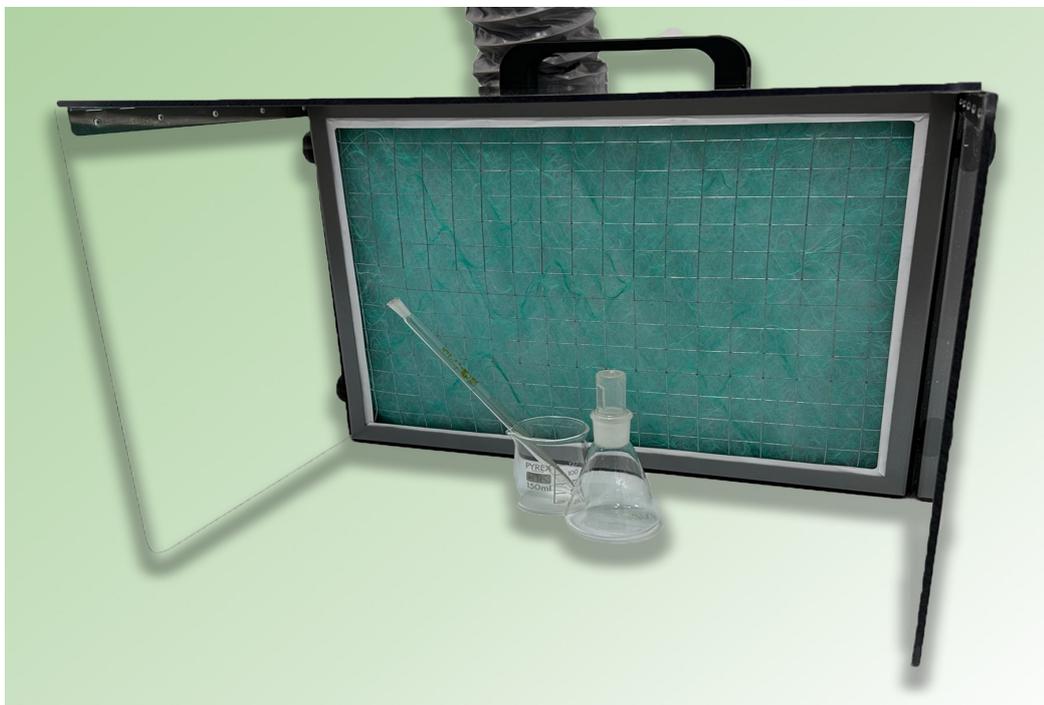
## Extraction Units

### 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.....

### Applications include filtration and removal of:

Monomers, adhesives, hazardous powders/particulates, conformal coatings, resins, sealants, solder fumes, light grinding particles and dusts,, general solvent vapours and gases extracted to atmosphere.



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.

# BenchVent Extraction Cabinets

NOTE: This unit exhausts air via flexi-duct to atmosphere.

For a cleaner, healthier working environment.

## Description

Steel construction finished in dove grey – polycarbonate shield – particulate filter – centrifugal blower, external rotor motor type brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filter. Flexi-duct 2 metres x 100mm dia. – carry handle.

## Operation:

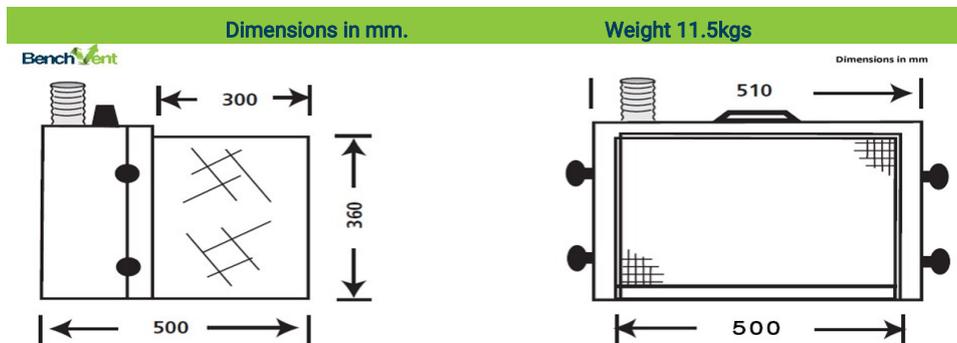
All BenchVent filtration and extraction systems carry a lifetime warranty.

They are quiet in operation and is assembled in seconds. Place on a desk, bench or trolley and then plug in and switch on. You can fix the plexi-duct to a standard domestic vent or through a partially open window, making it very portable.

This unit can be used in two positions.

**Horizontal position** – for Spray Mount, aerosol lacquers and fixatives etc. applied to artwork placed onto the filter. Accommodates artwork up to A3 size.

**Vertical position** – For science experiment – chemical mixing—light grinding particles (not sparking) – solder fume extraction and general solvent and gas extraction.



## 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)
BV500S-D	230V 50Hz 105W	355m <sup>3</sup> /hr	0.6m/sec	0.50m/sec	58

\*110v 50 or 60Hz available on request

This unit is designed for studio / 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.

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