

BV500S-D Ducted Extraction Unit



DESCRIPTION

The BenchVent BV500S-D, a small desktop LEV unit to 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.

The weighing and handling of potentially harmful chemicals, applying adhesives, cleaning solvents, and using small grinding tools etc is carried out within the shield and fumes and particles are vented into the outside environment. The BV500S-D has an open front which is handy when users need to move items within the booth, like re-positioning weigh scales and the likes. The poly-carbonate shield is removable for easy storage.

This unit is designed for immediate operator protection from concentrations of airborne contaminants whereby all gases, fumes, vapours and particulates within the hood enclosure are filtered and cleaned air is exhausted to the right rear of the cabinet. This model has been designed to be 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 METHOD

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 dual process of filtration and then extraction to atmosphere via flexi-duct, vastly reduces and/or eliminates operator exposure to potentially hazardous substances.

TECHNICAL SPECIFICATION

Weight	23 kg
Dimensions	505x390x430 (wxhxd)
Description	Steel construction finished in grey – PETG spray/fume 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
Air Volume at Free Air	355m ³ /hr
Ave. Air Velocity at Filter Face	0.6m/sec
Ave. Air Velocity at Shield Face	0.55 m/sec
Fan Motor Spec	240V 50Hz 105W, 110V 60Hz 115W
Filters	Partilce Filter – IFA3
Noise Level LAeq dB(A)	58 dB(A)

WHAT'S INCLUDED

- Filter unit with fan and 2 mtrs flexi-duct
- PETG Clear Spray Shield
- 1 x Particulate filter
- Power Lead
- Data/Warranty Booklet

APPLICATION

The BenchVent BV500S-D is designed for use in laboratories where the operators need to see the objects they're working on when carrying their work. It's specifically designed to filter fumes, vapour and light particulates coming from:

- Monomers
- Adhesives
- Conformal coatings
- Resins
- Sealants
- Solder fumes
- Hazardous powders
- Light grinding particles
- General solvent vapours

It will also filter light grinding particles, dusts and organic solvents.