A300S

Air Filtration Units

BenchVent
The Bench Ventilation Company

Booths for Glues, Aerosols and Airbrushes and more.

Contain and filter for a cleaner, healthier working environment within art, graphics, hobbies, modelling and crafts.

Applications include filtration of:

Aerosol adhesives (glue booths for Spray Mount), aerosol lacquers and fixatives and airbrush sprays applied to artwork up to A3 in size.

Craft, hobby, model aerosol and airbrush paints, solders, light grinding particles and dusts, cleaning 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 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 – plastic replaceable spray/fume shield – back stand / carry handle - particulate filter – carbon impregnated fibre filter – axial fan, external rotor motor type brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filters.

Operation

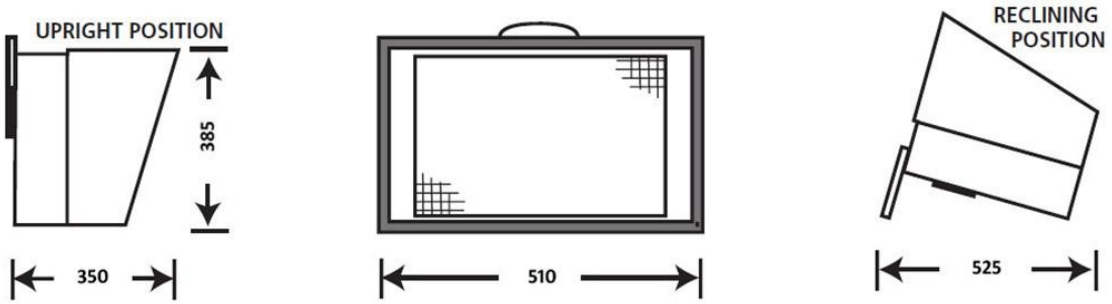
All WS filtration and extraction systems carry a lifetime warranty, are quiet in operation and can be assembled in seconds. Place onto a desk, bench or trolley and then simply plug in and switch on.

These units can be used in two positions.

Reclining position (on back-stand) – For Spray Mount, aerosol lacquers and fixatives etc. applied to artwork placed onto the filter. BV300S accommodates artwork up to A3.

Upright position – For model sprays and airbrush use – light grinding particles – solder fume displacement – general solvent dilution etc. onto the hood base for spraying, cleaning, sanding etc.

Dimensions in mm. Weight 11kgs



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)
BV300S	230V 50Hz 40W	325m³/hr	0.5m/sec	0.32m/sec	59

*110v 50 or 60Hz available on request

These units are designed as predominantly 'spray traps' 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 BV300S-D, 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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