

## Primary Units

### P1001-D & P1002-D

Air Filtration/Extraction Cabinets



### Filtration & Extraction units for bespoke hood arrangements

Primary units enable users to design and construct hoods, enclosures or benches to suit their particular requirements. The units may be positioned at any angle, offering total flexibility of enclosure design.

### Applications include filtration or extraction of:

Aerosol adhesives (glue booth for Spray Mount), aerosol lacquers and fixatives and airbrush sprays applied to artwork.

As well as vapour and particulates emanating from:

Monomers, adhesives, hazardous powders/particulates, conformal coatings, resins, sealants, solders, light grinding particles and dusts, organic solvents etc.

P1002-D



P1001-D



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 filter units. Designed to retro fit to bespoke hoods or capture areas

For a cleaner, healthier working environment.

## Description

Steel construction finished in medium grey – fan/filter units mounted - combinations of particulate filter– EPA Fine particle filter and activated carbon filters – Blower motor(s): external rotor motor type brushless, UL, VDE and CSA approved.

P1001-D and P1002-D - air exhausts externally to atmosphere via flexi-duct. Comprising - particulate filtration, fans are centrifugal blower(s) (P1002-D uses two blowers and two ducts 2m long and 100mm diameter).

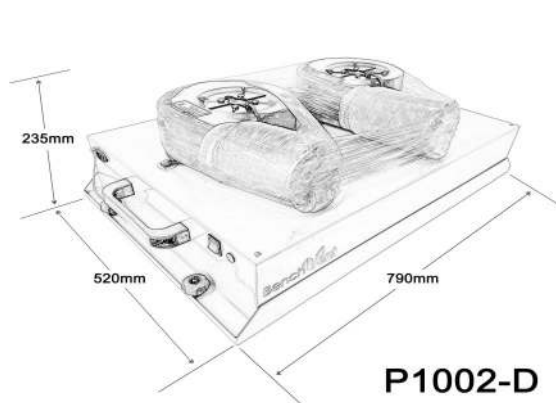
## Operation

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, trolley or enclosure of your making and then simply plug in and switch on.

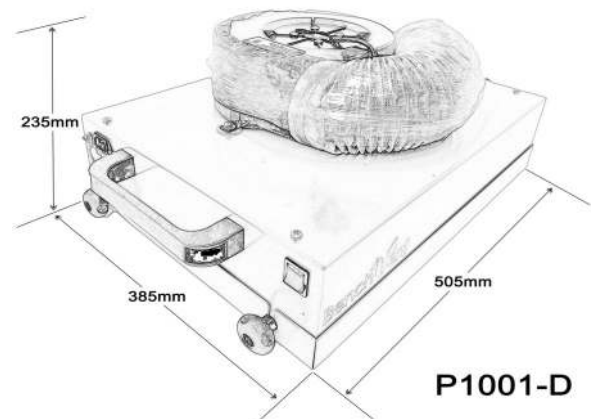
## Filtration

All units have particulate (intake) filters to 5.0 microns as standard. (Optional fine filter to 0.3 microns available).

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



**P1002-D**



**P1001-D**

## Specification 110v 50 or 60Hz \*available on request

| Model Number | Fan Motor* Spec | Air Volume At Free Air | Ave. Air Velocity At Filter Face | Noise Level LAeq dB (A) |
|--------------|-----------------|------------------------|----------------------------------|-------------------------|
| P1001-D      | 230V 50Hz 105W  | 355m <sup>3</sup> /hr  | 0.60m/sec                        | 59                      |
| P1002-D      | 230V 50Hz 210W  | 710m <sup>3</sup> /hr  | 0.60m/sec                        | 61                      |

These units are designed for immediate operator protection from concentrations of airborne contaminants whereby gases, fumes, vapours and particulates at the front of the unit are drawn into the intake filter. Cleaned air is filtered or exhausted to the rear of the cabinet

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

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