

BV400i

Digital Fume Extractor



Multi Purpose Digital Fume Extractor

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Speed control (adjustable airflow)
- Clear and informative graphic display
- Gas sensor and particle sensor on the exhaust
- Low capital and running costs
- Quick change patented Labyrinth pre-filter delivers longer filter life
- Submicronic (HEPA Filter) filtration removes 99.997% of particles down to 0.3 microns
- Activated Carbon Filters removes harmful gas
- Simple to install and quiet in operation
- Easy to relocate and precision made from stainless steel
- Optional interfacing option.

Applications Include:

Arm Extraction (up to 6x38mm), 4 small hoods or cowls, Coding/ Marking or Laser engraving

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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 Volume or Vacuum Filtration

NOTE: These units are recirculatory; i.e. filtered air is exhausted back into the workplace.

For a cleaner, healthier working environment.

Description

Stainless Steel construction – fan/filter unit mounted into base unit - particulate pre filter – 99.997% HEPA - activated carbon filter– fan motor , continuous run external rotor motor type brushless, UL, VDE and CSA approved - sealed electrical wiring and switch, downstream of filters - Automatic electronic flow control to maintain constant extraction rate - Adjustable airflow - Visual and Audible Filter Blocked warning - VOC monitor - Mounted on castors - graphic display - Connection Hose Kit

Operation

All BenchVent filtration and extraction systems carry a return to base warranty. They are quiet in operation and are quick and easy to assemble. They come complete with hose kit at attach to external equipment or can be fitted with arms, hoods or cowls.

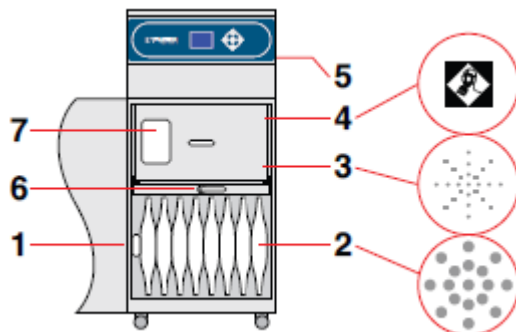
Other attachment are available. See accessories sheets for full details

Filtration

Combination of filters can be utilised. Labyrinth pre filter for larger particles and HEPA filtration to 99.997% MPPS typically

Granulated active carbon filtration up to clean room standards available.

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



Legend:

- 1) Air inlet - 80mm safe seal.
- 2) Pre-filter.
- 3) Main Filter (HEPA location). †
- 4) Main Filter (Carbon location). †
- 5) Clean air returned to workplace.
- 6) Filter locking handle.
- 7) Filter identification label.

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Specification

Model Number	Fan Motor* Spec	Width mm	Height mm	Depth mm	Weight kgs	Air Flow m3/hr
BV400i	230V 50Hz 120W	465	1070	528	60	400

*110v 50 or 60Hz available on request

These units are designed predominantly for production / workshop cleanliness and for immediate operator protection from concentrations of airborne contaminants.

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

T: 01423 790039

E: enquiries@benchvent.com

W: www.benchvent.com

BenchVent, Unit 1 Levens Hall Park, Lund Lane, Killinghall, Harrogate, North Yorkshire, HG3 2BG

Company No: 03217859 Registered office: Widespread Solutions Ltd, Unit 1 Levens Hall Park, Lund Lane, Killinghall, Harrogate, North Yorkshire, HG3 2BG

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