

# BV1100CT

## Fume & Particulate Filtration Cabinets with Digital Display



With touch screen control system utilising the latest in deep bed carbon and HEPA filter technology, and the large working aperture of the cabinet offer unrivalled operator protection from the inhalation of fumes and or particulates. Every CT Filtration Fume Cabinet with Digital Display bench mounted cabinet is supplied with 100mm deep carbon filter beds – the deepest of its type, and is fitted with a carbon filter saturation alarm, low airflow alarm and face velocity compensation to ensure the optimal cabinet air speed is always maintained.

The full colour screen measures 11cm across and has over 130,000 pixels.

The system provides probably the easiest to use and understand fume cabinet control system in the world and makes the CT range one of the most advanced cabinets of its type.

Carbon filters can be treated for most application within the Laboratory environment.



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 recirculatory; i.e. filtered air is exhausted back into the workplace.

For a cleaner, healthier working environment.

## Description

Epoxy coated zintec steel hood - Brushless EC low energy fans - Clear Acrylic Sides - HEPA and or Carbon filters - Touch Screen Control System - Low Airflow Alarm - Carbon Filter Saturation Alarm - Built in Spillage tray - Internal LED dimmable Light Unit

## Features:

Standard Features - Low Energy; cost saving and great 'green' credentials - Low Noise for better working environment - Dimmable Lighting - Low airflow alarm - Carbon filter saturation alarm - Large filters for best containment and capacity - Smooth White Powder Coated Finish -

Chemically resistant and easily cleaned - High working aperture for maximum access to working area - Automatic face velocity air speed compensation - Visual display of actual air speed in mtr per sec or ft per min - Visual display of carbon filter saturation - High-lipped moulded GRP spillage tray for containing spills and removable for easy cleaning - Built in aerofoil, arm or wrist rest on leading edge of spillage tray for maximum operator comfort - Aerofoil air intakes built into sash for improved airflow - Sash latch to keep cabinet open for cleaning and installation of equipment - ECO mode with PIR sensor allows cabinet to automatically save energy when left unused for a pre-determined and adjustable period of time - Easy and safe change pre-filter system - Carbon and/or HEPA filters for maximum versatility - Clear Sides for maximum comfort and visibility - EC Fans - maximum efficiency with low noise and low power requirements - Mutable alarms and keypad notes for quiet labs or working areas - PIN number controlled Supervisor settings area - Brushless and Sparkless fans means no source of ignition to harmful gases or fumes - All electrics are completely isolated from the airstream means no possible source of ignition of gases or fumes. - 5 year limited warranty - British Designed and manufactured - Filter suitability check on switch on for maximum safety - Automatically recognised carbon and HEPA filter types/blends - Sloped front for easy viewing - Easy change main filters on sprung clamped aluminium rails

<b>External Dimensions mm (WxDxH)</b>	1100 x 700 x 1280
<b>Internal Dimensions mm (WxDxH)</b>	1085 x 650 x 840
<b>Working Aperture mm (WxH)</b>	800 x 300
<b>Face Velocity</b>	>0.5 m/sec
<b>Airflow</b>	475 m <sup>3</sup> /hr
<b>Filter Weight</b>	2 x 14kg main carbon filters
<b>Pre-Filter</b>	Filtrete
<b>Internal Lighting</b>	18 watt fluorescent
<b>Fan</b>	Centrifugal, Brushless & Sparkless
<b>Noise Level</b>	<54 db(A)
<b>Electrical Supply</b>	240v - 100watts
<b>Construction</b>	Head: Epoxy Powder Coated Zintec Steel
<b>Base</b>	Epoxy Powder Coated Zintec Steel frame with 6mm clear acrylic front and side panels
<b>Options</b>	Polypropylene Spillage Tray with or without sink, Base Stand

Complies with BS7989:2001 - Specification for recirculatory filtration fume cupboards

Please contact BenchVent with your specific requirements.

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