

CIRCULAIRE® FILTRATION FUME CUPBOARDS

Including Visionaire® Touchscreen



Monmouth+ Scientific

THE MARKET LEADER IN
CLEAN AIR SOLUTIONS



CARBON AIR FILTRATION

RECIRCULATING AIR FILTRATION



ULTRA DEEP CARBON FILTERS



The Circulaire® Filtration Fume Cabinets feature the very latest in air filtration technology.

Air is initially drawn in from the laboratory before passing through the Carbon and/or HEPA filters, removing all contaminated particles and recirculating clean air back in the working environment.

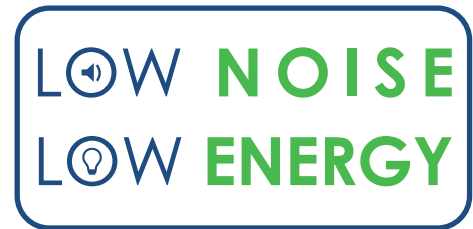
The solution is fitted with ultra-deep Activated Carbon filters to guarantee maximum fume filtration efficiency whilst PIN controlled supervisor settings and mutable alarms ensure that the system integrates seamlessly into the customer environment.

All system electrics are completely isolated from the airstream meaning that there is no possible source of ignition of gases or fumes, providing complete operator and environment safety.

FEATURES & BENEFITS

ENVIRONMENT IN MIND

All Monmouth products are designed to have both low noise levels and low energy consumption to help your company's Carbon Footprint. LED Lighting and PIR Sensors further improve efficiency.



5 YEAR WARRANTY

All Monmouth products are designed and manufactured in the UK, and are covered by our industry leading 5 year warranty*.

Subject to Terms & Conditions.










VISIONAIRE® TOUCHSCREEN

Monmouth's revolutionary Visionaire® Touchscreens are designed to control & monitor all aspects of a product operation. The 4.3" Colour Screen alerts you if operating parameters are not being met.



Visionaire® offers;

-  **Automatic ECO Mode;** Lighting & display deactivated after a period of operator inactivity and fans reduced to 50% capacity
-  **Airflow Monitoring;** Real-time Airflow readings in m/sec or ft/min
-  **Automatic Airflow Compensation;** Maintains air speeds to a predetermined level
-  **Audible and Visual Alarms;** Alerts operators should levels exceed specified limits
-  **Run-Time Indicators;** Fan Run-time, Cabinet Run-time and Service Interval
-  **PIN Code Access;** Engineer & Supervisor settings
-  **Cabinet Information;** Commissioning Date, Date of last & next service, Filter fitment dates, Cabinet serial number, Filter part numbers

CIRCLAIRE® FILTRATION FUME CABINETS

The Circulaire® range of Filtration Fume Cabinets are market leading and perfect for a huge variety of applications.

The system utilises the latest Carbon and HEPA filter technology to offer unrivalled operator protection from inhalation of fumes and/or particulates.

FEATURES

- Visionare® Touchscreen
- Large Capacity Carbon or HEPA Filters
- Automatic Airflow Compensation
- Easy Change Filters
- PIR Movement Sensors detect periods of inactivity and employ ECO-Mode*
- Large Aperture for Easy Work Area Access



CT1100



CT800

CT1400

CT1800

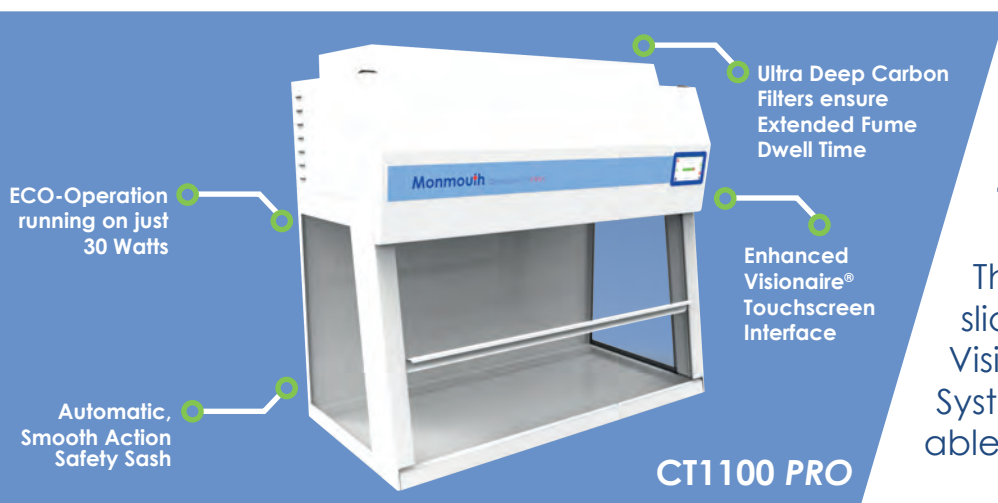
Specification

	CT800	CT1100	CT1400	CT1800
External Dimensions (W x D x H)**	800mm x 700mm x 1284mm	1100mm x 700mm x 1284mm	1400mm x 700mm x 1284mm	1800mm x 700mm x 1284mm
Aperture Dimensions (W x H)	500mm x 300mm	800mm x 300mm	1100mm x 300mm	1500mm x 300mm
Face Velocity	Typically set at 0.55m/sec - Can be adjusted depending upon application			
Noise Level	Circa. 48db(A)	Circa. 54db(A)	Circa. 54db(A)	Circa. 55db(A)
Main Filters	Large Capacity CARBON or HEPA			
Outlet Filters	Large Capacity CARBON or HEPA (Optional)			
Power	57 watts	100 watts	110 watts	160 watts

*Can be Deactivated if preferred.

**PLEASE NOTE: Upgraded CT PRO Cabinets are 1345mm high.

INTRODUCING THE CT PRO



The **Circulaire® CT Pro Filtration Fume Cabinet** features the very latest in air filtration technology.

The unit includes an automatic, sliding safety sash, advanced Visionaire® Touchscreen Control System and Eco-Operation mode able to run at just 30 watts.

Specification

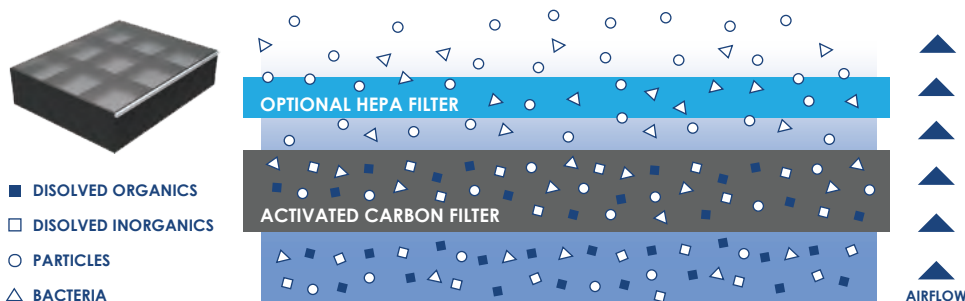
CT PRO 800	CT PRO 1100	CT PRO 1400	CT PRO 1800
800mm x 700mm x 1345mm	1100mm x 700mm x 1345mm	1400mm x 700mm x 1345mm	1800mm x 700mm x 1345mm

ACTIVATED CARBON

Monmouth Scientific are able to supply a variety of Carbon Filters that are suitable for almost every application. Please see below for the most common Carbon Filters and their intended application.

For multiple applications, we can blend up to four carbon types together in a special filter – Type MCH. Other applications can be accommodated. **Please contact us for more information.**

Where extra safety is required, an optional outlet filter can be specified. This should be of the same type as the main filter with the exception of the outlet HEPA filter, which can be specified for particulate removal with ANY of the carbon filter types.



CARBON CODE:	SUITABLE FOR REMOVAL OF:
AC	General Organic Compounds (iodine, solvents, odours etc)
ACID	Acidic Compounds (and general organics)
ACR	Alkali Compounds (and general organics)
AMM	Ammonia & Amine Compounds (and general organics)
CYN	Cyanide Compounds (and general organics)
ETHER	Ether Compounds (and general organics)
FORM	Aldehydes (and general organics)
SUL	Sulphur Compounds (and general organics)
MCH	Special blend of up to 4 of the above carbon types
ED	Tri-Layered Filter for schools (organic, acid & alkali removed)

CIRCUAIRE® FILTRATION FUME CABINETS

Including Low Airflow Alarm

The Circulaire® range of Filtration Fume Cabinets offer features and benefits that are second to none. The cabinets conform fully to BS 7989:2001.

To ensure the cabinet is functioning correctly, every model has an animated colour LCD display showing the airflow is working within safe and calibrated parameters.



C650

FEATURES

- Large Capacity Carbon Filters
- Low Energy Fan
- Easy Change Pre-Filters
- Animated Colour LCD Display
- Low Airflow Alarm
- Optimal Filter Saturation Alarm*
- Internal LED Lighting
- Removable Spillage Tray*
- Fixed Safety Sash



C550

C900

Specification

	C550	C650	C900
External Dimensions (W x D x H)	550mm x 600mm x 1082mm	650mm x 600mm x 1082mm	900mm x 600mm x 1082mm
Aperture Dimensions (W x H)	500mm x 300mm	600mm x 300mm	800mm x 250mm
Face Velocity	Typically set at 0.55m/sec - Can be adjusted depending upon application		
Noise Level	>52db(A)		
Main Filter	Large Capacity CARBON or HEPA		
Outlet Filters	Large Capacity CARBON or HEPA*		
Power	80 Watts		

*Optional Addition

OPTIONAL ADDITIONS



- **Upgrade to PRO for Sliding Sash**
- Gas & Water Supplies
- Base Stand
- Additional Cable Entry Points
- Vented Under Cupboards
- Rear-mounted Stainless Steel Scaffold
- Double Electrical Sockets
- Stainless Steel, Polypropylene or PVC Options

SERVICING

When servicing/calibrating/validating a Filtration Fume Cabinet it is important to check all aspects of a cabinet. Monmouth Scientific utilise the latest calibrated test equipment (Vane Anemometers, Particle Counters, Smoke Generators & Photometers) to carry out:

- **Interior & Exterior condition.**
- **Access flaps and hinges checks.**
- **Lights, Switches & Fan Condition checks.**
- **All seals checked for integrity by DOP Smoke Test.**
- **Pre-filters replaced if necessary.**
- **HEPA filters challenged for integrity by DOP Smoke Test.**
- **Particle counts are taken to ascertain ISO Safety Standard.**
- **Airflow Velocities, Air Visualisation and Test on Alarms.**
- **Checking all work surfaces within cabinet.**
- **Issue a certificate on all test results.**
- **Service record kept on database.**
- **Service card updated and kept on cabinet.**

All services carried out by skilled, and qualified engineers. We pride ourselves on offering a most comprehensive service to safeguard your employees. Not all companies offer this level of servicing.

Contact our
experienced team
to discuss our wide
range of bespoke
options

ABOUT US



Established in 2004, Monmouth Scientific Limited is a family owned company priding ourselves on our commitment and dedication to our customers. It is this dedication that has seen us work with some of the UK's leading private and Government organisations including; the MoD, NHS, Mercedes F1 and BAE Systems.

Based in our modern 30,000sq/ft facility in Bridgwater, Somerset our Engineers and Sales Professionals travel across the UK and overseas offering Sales, Service & Support.

We also work very closely with a select group of specialised Laboratory Equipment suppliers and handle the sales and support of their products in the UK and Ireland on an exclusive basis.

We welcome visitors to our new Demo Lab where we will be happy to demonstrate any of our products and show customers and distributors around our facility.

Monmouth Scientific Limited are proud to be a registered ISO9001:2015 company for Sales, Installation, Service, Support, and Distribution of Medical & Laboratory Equipment.



Monmouth Scientific

The UK's leading
designer,
manufacturer
and supplier of
Clean Air
Technology.

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