Product Catalogue

monmouthscientific.co.uk

Monmouth Scientific

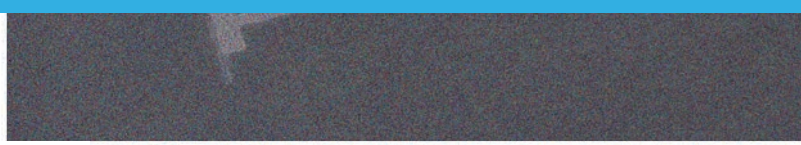
Contents

About us.

Monmouth Scientific are specialists in clean air and containment solutions, protecting operators, processes and environments.

Our advanced recirculating technology covers every aspect of clean air control, with a comprehensive product range designed to safeguard people and processes.

From **Fume Cupboards** that enhance laboratory safety and efficiency, to **Biological Safety Cabinets** certified to the highest containment standards, we create systems you can rely on. Our **Cleanrooms** deliver precise environmental control across industries, while **Powder Handling Units** prevent contamination and protect operators.



For highly sensitive applications, our **Laminar Flow Cabinets** provide consistent, high-quality air, and our **Chemical Storage** solutions ensure the safe handling of hazardous materials.

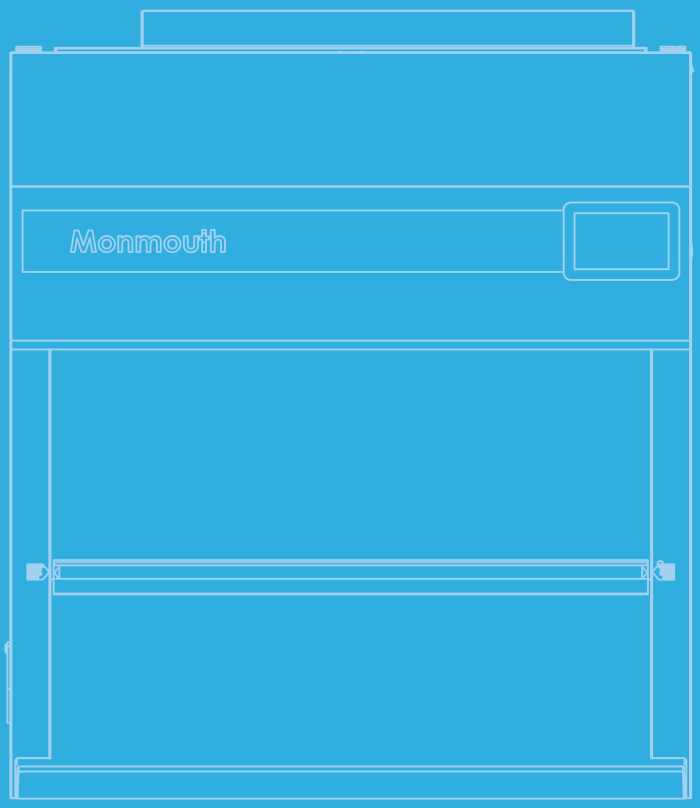
We proudly support organisations across life sciences, pharmaceuticals, aerospace, pathology, forensics, precision engineering, manufacturing, and academic research.

Backed by a dedicated team of engineers and technical specialists, we understand that maintaining clean air is vital. From safeguarding your people to ensuring the integrity of your work, we're dedicated to **protecting what matters**.

Mon Sci | RECIRCULATING TECHNOLOGY | ACTIVE ECO ENERGY EFFICIENCY | PART OF THE SDI GROUP | MADE IN BRITAIN

Fume Cupboards

- Circulaire® Recirculating Fume Cupboard
- Circulaire® Hybrid Fume Cupboard
- Circulaire® ATEX Rated Recirculating Fume Cupboard
- Mobile Recirculating Fume Cupboard
- Ductaire Pro Ducted Fume Cupboard
- Ductaire Ducted Fume Cupboard

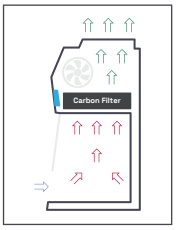


Circulaire® Pro Recirculating Fume Cupboard

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Ultra-Deep Carbon Filters
- Auto-Airflow Compensation
- Touchscreen Interface
- Airflow Safety Monitoring



Maximum Filtration Efficiency

The Solution

The Circulaire® Recirculating Fume Cupboard is an advanced laboratory fume cupboard designed to provide protection against hazardous fumes and vapours.

Featuring a touchscreen interface, it offers intuitive control and monitoring, ensuring a safe and efficient working environment.

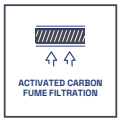
This non-ducted hood is ideal for workspaces where external venting is impractical, providing flexibility without compromising safety.

How it Operates

The Fume Cupboard operates by drawing in contaminated air from the work area and passing it through a series of high-efficiency filters.

The filtration system typically includes pre-filters for particulates and main filters with activated carbon.

The clean air is then recirculated back into the working environment.

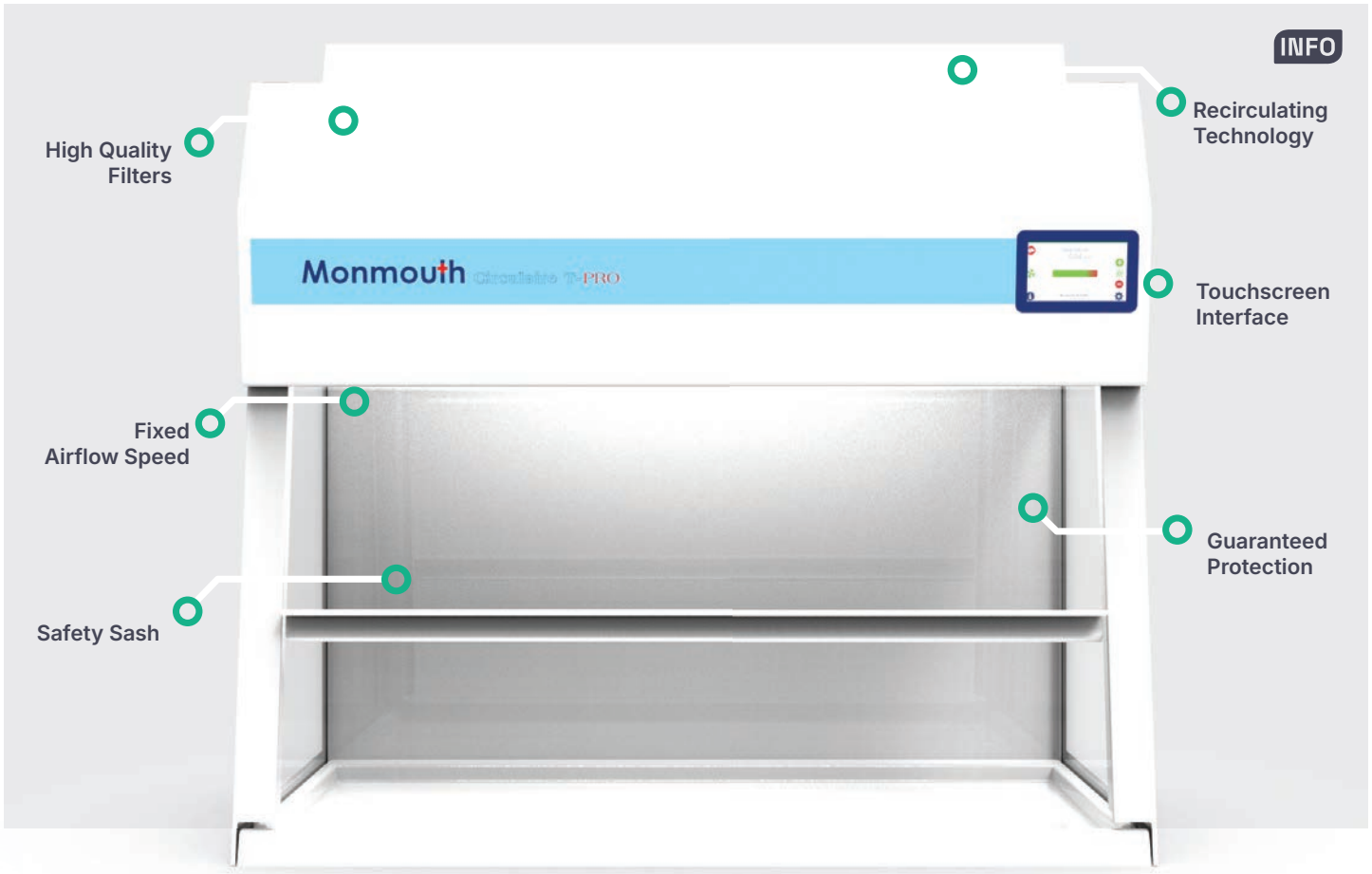


Technical Information

INFO

	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
Internal Dimensions (W x D x H)	784mm x 650mm x 840mm	1084mm x 650mm x 840mm	1384mm x 650mm x 840mm	1784mm x 650mm x 840mm
Face Velocity	0.55m/sec - Automatically Maintained			
Airflow	300m³/hr	475m³/hr	650m³/hr	890m³/hr
Primary Filter	Large Capacity CARBON or HEPA			
Power Consumption	57 watts	100 watts	110 watts	160 watts
Sound Level	circa. 48db(A)	circa. 54db(A)		circa. 55db(A)

*CTPro - 1345mm high + sliding sash & large touchscreen.



Activated Carbon Filters

The high-quality Activated Carbon Filters guarantee efficient, effective and safe toxic fume removal.

Touchscreen Interface

The Visionaire® Touchscreen Control Interface provides unparalleled operator monitoring and precise control.

Safety Conformity

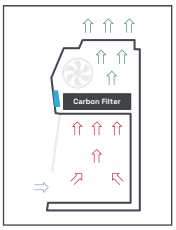
Fully compliant with BS7989:2001 [Filtration Fume Cupboards] and COSHH regulations.

Circulaire® Recirculating Fume Cupboard

Features & Benefits

INFO

- Recirculating Technology
- Environmental Protection
- Ultra-Deep Carbon Filters
- Flexible Installation
- Energy Efficient
- Airflow Safety Monitoring



Reliable Protection

The Solution

The Circulaire® Recirculating Fume Cupboard with Airflow Display is a high-efficiency, ductless fume cupboard designed to protect operators from hazardous fumes and particulates. Equipped with advanced filtration technology and a real-time airflow display, it ensures continuous monitoring of airflow conditions, promoting safety and compliance.

This unit is ideal for environments where ductwork installation is not feasible, providing flexible, cost-effective protection for laboratories and industrial spaces.

How it Operates

Contaminated air is drawn into the unit through the front opening, passed through the filters where harmful chemicals and particles are removed, and then the clean air is recirculated back into the room.

The real-time airflow display continuously monitors the performance of the system, providing visual feedback to ensure that the fume cupboard is operating safely and effectively.

Technical Information

INFO

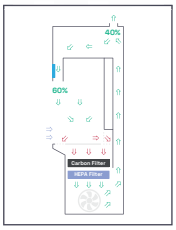
	C650	C900
External Dimensions (W x D x H)	650mm x 650mm x 1125mm	900mm x 650mm x 1125mm
Aperture (W x H)	590mm x 274mm	740mm x 274mm
Face Velocity	0.55m/sec - Automatically Maintained	
Primary Filter	Large Capacity Activated Carbon or HEPA Filter	
Power	97 watts	92 watts
Sound	circa. 62db(A)	circa. 58db(A)

Circulaire® Hybrid Fume Cupboard

Features & Benefits

INFO

- Recirc. + Ducted Combo-Tech
- Environmental Sustainability
- Carbon + HEPA Multi-Stage Filters
- Auto-Airflow Compensation
- Energy Efficient
- Touchscreen Interface



Combining Safety & Sustainability

The Solution

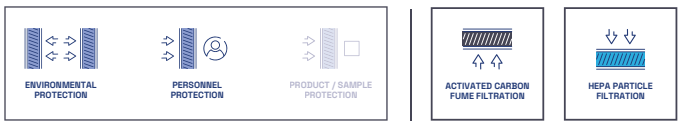
The Circulaire® Hybrid Fume Cupboard sets the standard for environmentally responsible and sustainable choices in laboratory and research facilities.

Our green hybrid process results in a 60% decrease in extraction of conditioned air that with ducted fume cupboards would be lost to atmosphere.

How it Operates

Inflow air is drawn in through the front aperture, mixing with contaminated air from the working chamber, before being drawn into the multi-stage activated carbon and HEPA filteration system.

Clean and without contaminating the building exhaust air, airflow is guided through internal ventilation where it is divided. 40% is extracted to the duct system and the remaining 60% is recirculated back into the working chamber to provide containment and operator safety.



Technical Information

INFO

	HFC1200	HFC1500	HFC1800
External Dimensions (W x D x H)	1203mm x 942mm x 2562mm	1503mm x 942mm x 2562mm	1803mm x 942mm x 2562mm
Internal Dimensions (W x D x H)	900mm x 1300mm	1200mm x 1300mm	1500mm x 1300mm
Total Airflow	389m³/hr	488m³/hr	578m³/hr
Recirculated Airflow	189m³/hr	288m³/hr	338m³/hr
Exhausted Airflow	200m³/hr		240m³/hr
Filter	Activated Carbon, H14 HEPA or Activated Carbon/HEPA Combination		
Power Consumption	1.8 kw (Max.)		
Sound Level	Circa. 56dB		Circa. 55dB

Circulaire® ATEX Rated Fume Cupboard

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Ultra-Deep Carbon Filters
- ATEX Rated Components
- Rated Zone 1,T4 Certified
- Airflow Safety Monitoring

Performance & Protection

The Solution

The Circulaire® ATEX Rated Fume Cupboard is engineered to provide optimal safety and performance in laboratories, chemical processing facilities, and environments that deals with volatile or explosive materials.

Equipped with high-efficiency filtration systems and robust containment, it is designed to safeguard both personnel and the workspace.

How it Operates

The fume cupboard operates by drawing contaminated air through its activated carbon filtration system, where harmful gases, vapours, and particulates are removed. Air is then safely expelled back into the room.

The unit is equipped with ATEX-rated components to prevent ignition sources from interacting with potentially explosive atmospheres, ensuring a safe working environment.

Technical Information

INFO

	EX1100	EX1400
External Dimensions (W x D x H)	1100mm x 900mm x 2470mm	1400mm x 900mm x 2470mm
Internal Dimensions (W x D x H)	1085mm x 680mm x 1200mm	185mm x 680mm x 1200mm
Face Velocity	0.55m/sec - Automatically Maintained	
Primary Filter	Large Capacity Activated Carbon	
Power	750 watts	1200 watts
Sound	circa. 57db(A)	circa. 59db(A)

Mobile Recirculating Fume Cupboard

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Ultra-Deep Carbon Filters
- Auto-Airflow Compensation
- BS : 7989 : 2001 Compliant
- Airflow Safety Monitoring

Portable Protection

The Solution

The Mobile Fume Cupboard is a versatile, recirculating unit designed for use in school laboratories and training spaces.

Key features include convenient mobility, advanced filtration technology, and an exceptional 360-degree visibility of the working area—allowing clear observation from any angle for both educators and students.

How it Operates

The recirculating technology draws in contaminated air and passes it through activated carbon filters, specified for applications, to remove harmful substances.

The clean air is then safely returned to the room, eliminating the need for external ducting or complex installation.

Technical Information

INFO

	MFC1000
External Dimensions (W x D x H)	1000mm x 700mm x 1850mm
Internal Dimensions (W x D x H)	950mm x 500mm x 865mm
Face Velocity	0.4m/sec - Automatically Maintained
Primary Filter	Large Capacity Activated Carbon
Power	400watts
Sound	circa. 52db(A)

Ductaire Pro Ducted Fume Cupboard

Features & Benefits

INFO

- Double Walled Construction
- Air Bypass or Variable Air Volume
- BS : EN 14175 Compliant
- BMS Integration [Building Management System]
- Digital Control Interface
- Custom Build Specifications

High Specification Fume Extraction

The Solution

The Ductaire Pro Ducted Fume Cupboard is a high-performance, fully ducted extraction unit designed to protect users from harmful fumes and vapors.

Engineered for reliability and compliance with stringent safety standards, it features robust airflow management, easy-to-use controls, and durable construction.

Ideal for laboratory, industrial, and educational settings, ensuring a safe, efficient, and compliant workspace.

How it Operates

Constant Air Volume [CAV] or Variable Air Volume [VAV] systems to guarantee full operator protection against hazardous substances.

Negative pressure, sustained by a remote exhaust fan, ensures a constant, safe inflow of air inside the working chamber.

Technical Information

INFO

	DP1200	DP1500	DP1800	DP2000
External Dimensions* (W x D x H)	1200 x 900 x 2400mm	1500 x 900 x 2400mm	1800 x 900 x 2400mm	2000 x 900 x 2400mm
Internal Dimensions (W x D x H)	900 x 645 x 1200mm	1200 x 645 x 1200mm	1500 x 645 x 1200mm	1700 x 645 x 1200mm
Air Volume	810m³/hr	1080m³/hr	1350m³/hr	1530m³/hr
Lighting	2no. 8W 2ft LED	2no. 8W 2ft LED	2no. 17W 4ft LED	2no. 17W 4ft LED
Duct Spigot	250mm Ø	315mm Ø	315mm Ø	315mm Ø
Storage Cabinet [Optional]	1no. 1100mm	1no. 500mm + 1no. 900mm	1no. 500mm + 1no. 1100mm	2no. 900mm

Ductaire Ducted Fume Cupboard

Features & Benefits

INFO

- Single Walled Construction
- Air Bypass / Constant Air Volume
- BS : EN 14175 Compliant
- Auto Airflow Monitoring
- Digital Control Interface
- Custom Build Specifications

High Specification Fume Extraction

The Solution

The Ductaire Ducted Fume Cupboard offers robust, single-wall steel construction and advanced airflow control to deliver safe and efficient fume extraction.

Designed with a spacious internal working area and intuitive user interface, it ensures operator protection and ease of use.

Its streamlined layout and energy-efficient features help meet stringent safety standards while maintaining cost-effective operation.

How it Operates

An Air Bypass / Constant Air Volume [CAV] system guarantees full operator protection against hazardous substances.

Negative pressure, sustained by a remote exhaust fan, ensures a constant, safe inflow of air inside the working chamber.

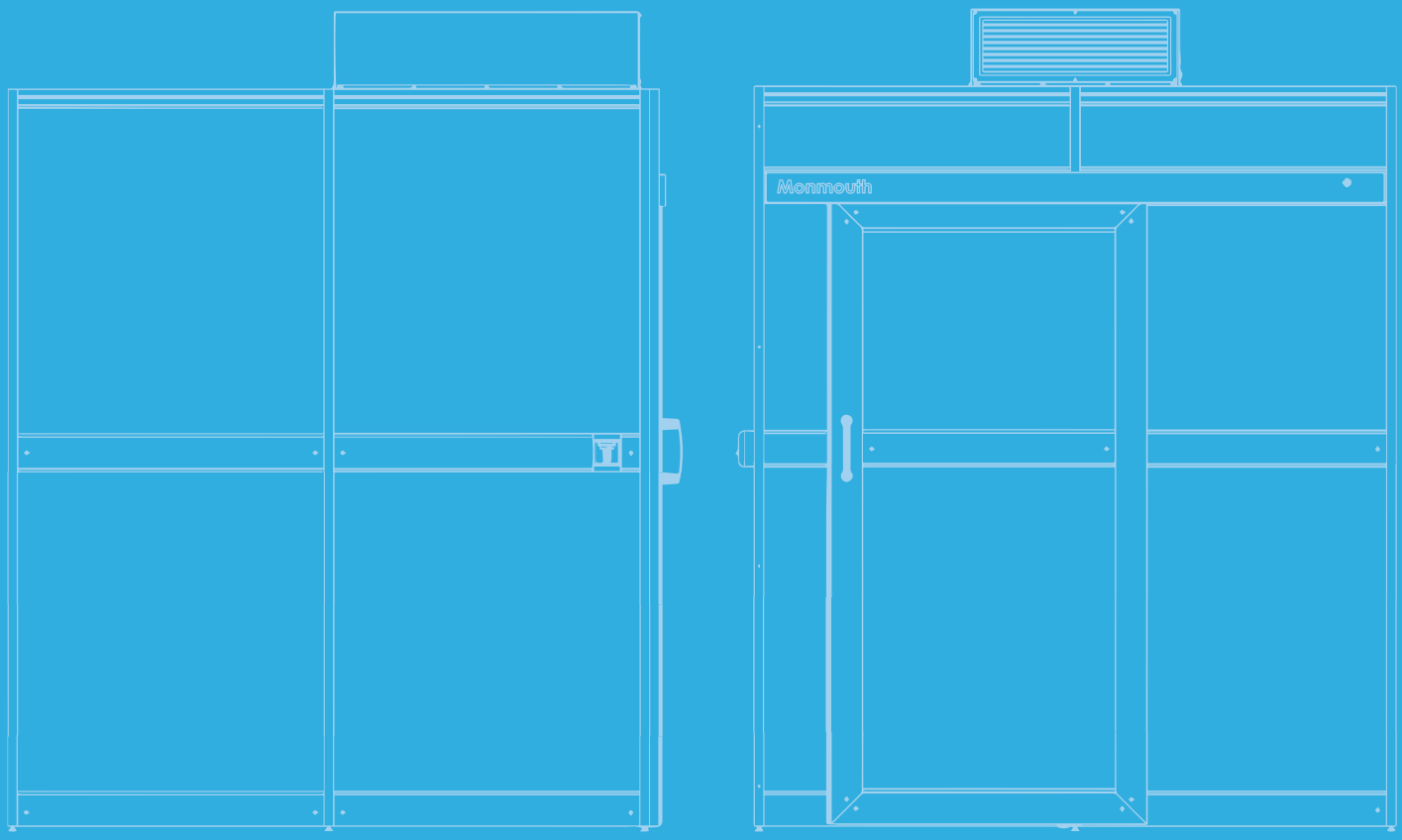
Technical Information

INFO

	D1000	D1200	D1500	D1800
External Dimensions* (W x D x H)	1000 x 760 x 1300mm	1200 x 760 x 1300mm	1500 x 760 x 1300mm	1800 x 760 x 1300mm
Internal Dimensions (W x D x H)	950 x 550 x 1050mm	1150 x 550 x 1050mm	1450 x 550 x 1050mm	1750 x 550 x 1050mm
Air Volume	610m³/hr	750m³/hr	965m³/hr	1180m³/hr
Lighting	2no. 8W 2ft LED	2no. 8W 2ft LED	2no. 8W 2ft LED	2no. 8W 2ft LED
Duct Spigot	250mm Ø	250mm Ø	250mm Ø	250mm Ø

Cleanrooms

- Modular Cleanroom
- Flexible Wall Clean Canopy
- Clean Tent



Modular Cleanroom

Features & Benefits

INFO

- Modular, Scalable Layouts
- Rapid Deployment
- Custom-build Specifications
- ISO Class 6-9 Clean Environments
- High quality HEPA Filters
- Turnkey Solution

Modular, Facility-Scale, Controlled Environments

The Solution

Our Modular Cleanroom is a customisable, scalable turnkey solution designed to deliver controlled environments across entire facilities and multiple industries.

From biomedical and electronics to aerospace and industrial applications, this high-quality modular system supports sensitive operations and complex processes — whether in a single laboratory or a multi-room production facility.

How it Operates

The Modular Cleanroom creates a controlled environment across entire facilities, maintaining airborne particle concentrations to ISO 6–9 standards.

Equipped with advanced HEPA filtration systems, it continuously circulates clean air, ensuring uniform contamination control throughout large production suites or multi-room complexes.

Its modular design enables rapid installation, facility-wide expansion, or reconfiguration, providing a reliable, scalable solution for complex and evolving operational needs.

Technical Information

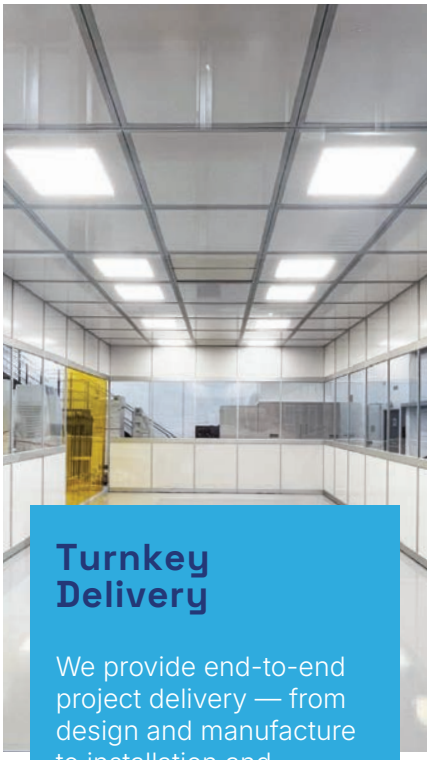
INFO

Custom-build Specification	Custom modular layouts, fully scalable to meet the needs of facilities and complex projects			
Standard Module Dimensions (W x D x H)	2000mm x 2000mm x 2350mm	3000mm x 2000mm x 2350mm	3000mm x 3000mm x 2350mm	4000mm x 3000mm x 2350mm
Filteration System	Clean Air Modules (CAM) + H14 HEPA Filter - 99.97% efficient at 0.3µm			
Air Cleanliness	ISO Classes 6-9			
Structure	Free-standing aluminium framework. Aluminium composite panel walling and clear non-break polycarbonate window panes.			
HVAC	Our experienced team designs and installs the HVAC system to regulate air quality and temperature.			
Flooring	Optional custom flooring solutions tailored to project specifications, ensuring durability, hygiene, and compliance.			
Power	Electrical units ensure seamless power and control systems integration for cleanroom operations.			

Engineered for Facility-Scale

From individual labs to full production facilities, our Modular Cleanrooms are designed to grow with your needs.

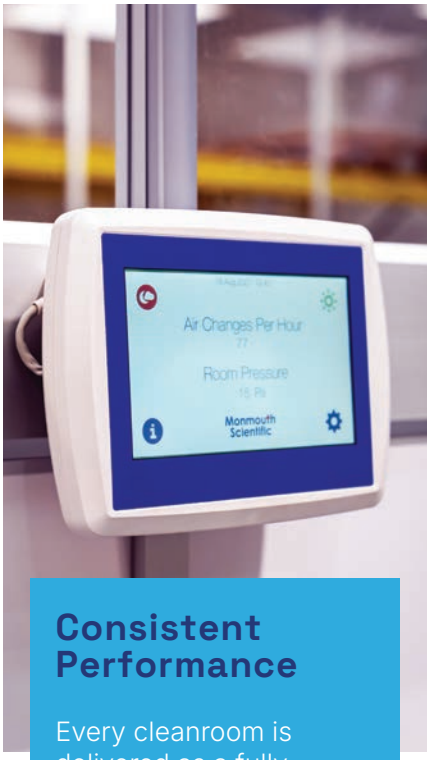
Scalable by design, they deliver controlled environments across entire sites — not just small spaces.



Turnkey Delivery

We provide end-to-end project delivery — from design and manufacture to installation and commissioning.

Our in-house fabrication shortens programmes, minimises disruption and gives confidence in hitting project milestones.



Consistent Performance

Every cleanroom is delivered as a fully integrated system, with HVAC, filtration, services and monitoring built in.

This ensures consistent performance across large footprints and simplifies validation at facility scale.

Flexible Wall Clean Canopy

Features & Benefits

INFO

- Rapid Assembly
- Energy Efficient
- Custom-Build Specifications
- ISO Clean Environment
- High Quality HEPA Filters
- Mobile Functionality

Mobile Functionality and ISO Cleanliness

The Solution

The Flexible Wall Clean Canopy is a versatile solution designed to create controlled clean air environments for various industries. It is ideal for situations where cleanroom space or environmental control is required but permanent structures are not practical.

The canopy utilises flexible curtains and an overhead HEPA filtration system to provide a localised clean zone, making it suitable for tasks requiring ISO-classified conditions, such as electronics assembly and research facilities.

How it Operates

The Flexible Wall Clean Canopy operates by drawing ambient air through an integrated HEPA filtration system, which removes airborne particles down to 0.3 microns with 99.99% efficiency.

The filtered air is then directed downward, creating a laminar flow of clean air inside the soft-walled enclosure. This positive airflow prevents the intrusion of contaminants from outside the canopy, ensuring a controlled, clean environment within the specified area.

The flexible walls allow easy access to the workspace while maintaining environmental integrity.

Technical Information

INFO

Custom-build Specification	Modular and scalable layouts tailored to project specifications.		
Standard Module Dimensions (W x D x H)	2000mm x 2000mm x 2350mm	3000mm x 2000mm x 2350mm	3000mm x 3000mm x 2350mm
Primary Filter	H14 HEPA Filter - 99.97% efficient at 0.3µm		

Clean Tent

Features & Benefits

INFO

- Rapid Deployment
- Energy Efficient
- ISO Clean Environment
- Mobile Functionality
- High Quality ULPA Filters
- Lightweight & Collapsible

Contaminant Free Environment

The Solution

The Clean Tent is a portable, temporary cleanroom environment designed to provide a contamination-controlled space, ensuring particle-free conditions wherever you need it.

Its lightweight, collapsible design allows for rapid assembly and disassembly, making it perfect for on-site cleanroom requirements or temporary installations.

How it Operates

The Clean Tent functions by creating a positive pressure environment using integrated ULPA filtration technology. Air is drawn into the system, filtered to remove airborne contaminants, and then gently circulated within the enclosure.

This constant flow of filtered air ensures that the workspace remains free from dust and particulates.

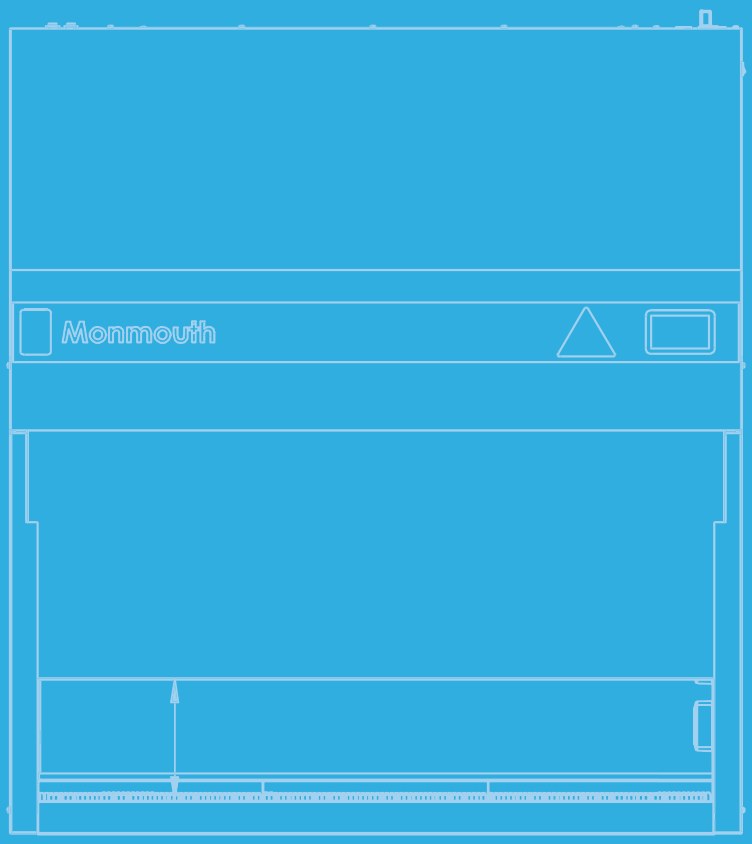
Technical Information

INFO

	CLT675	CLT750	CLT1700
External Dimensions (W x D x H)	3650mm x 2500mm x 2150mm	4250mm x 2500mm x 2150mm	6100mm x 2500mm x 2150mm
Internal Dimensions (W x D x H)	3050mm x 2500mm x 2150mm	3650mm x 2500mm x 2150mm	4900mm x 3650mm x 2150mm
Change Area Dimensions (W x D x H)	600mm x 2500mm x 2150mm	600mm x 2500mm x 2150mm	1200mm x 3650mm x 2150mm
Air Cleanliness	ISO Class 5 Environment		
Primary Filter	U15 ULPA - 99.9995% efficient at 0.12µm		

Biological Safety

- Guardian Class 2 Biological Safety Cabinet
- Guardian Class 1 Biological Safety Cabinet

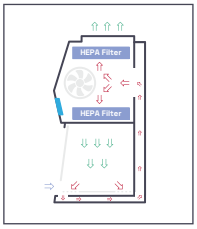


Guardian Class 2 Biological Safety Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- ISO 5 Clean Environment
- High-Quality HEPA Filters
- Public Health Agency Tested
- Infra-Red Intelligent Sash Safety



Guaranteed Sample, Personnel & Environmental Protection

The Solution

The Guardian Class 2 Biological Safety Cabinet is an essential tool for laboratories handling biohazardous materials, offering guranteed protection to the user, the environment, and the sample.

Equipped with H14 HEPA filters, [99.97% efficiency for particles down to 0.3 microns], the cabinet maintains an ISO Class 5 clean environment, essential for microbiological, pharmaceutical, and clinical applications.

How it Operates

The cabinet operates by creating a controlled airflow environment.

HEPA-filtered vertical laminar airflow protects samples from contamination while simultaneously filtering air away from the operator to ensure personal safety.

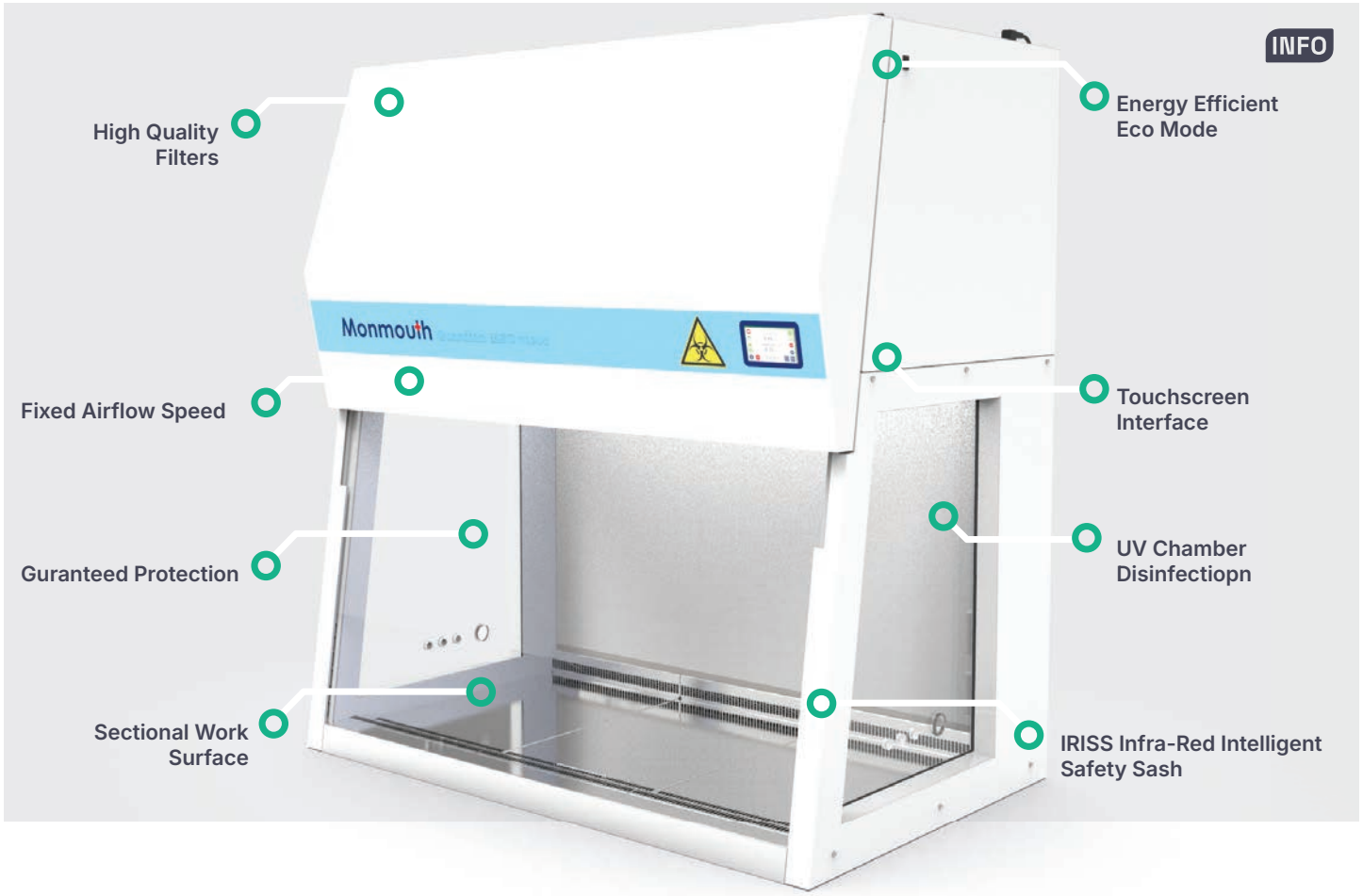
The air passes through the work zone, collecting any potentially harmful particles, and is then exhausted through a second HEPA filter to prevent environmental contamination.

Technical Information

INFO

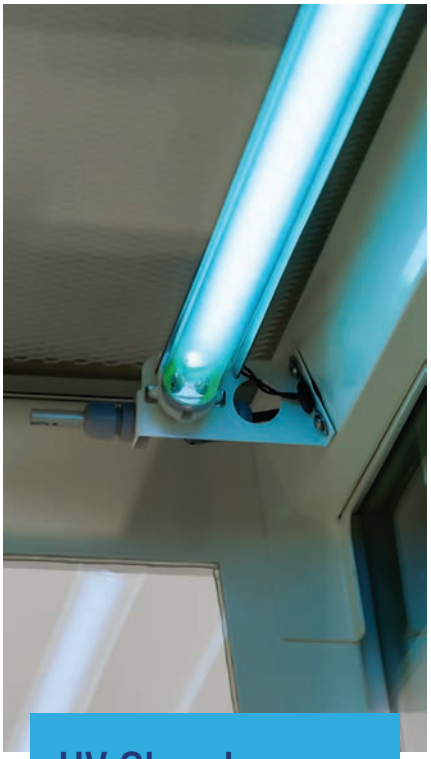
	MSC800	MSC1200	MSC1800
External Dimensions (W x D x H)	800mm x 750mm x 1321mm *	1200mm x 750mm x 1321mm *	1800mm x 750mm x 1321mm *
Internal Dimensions (W x D x H)	707mm x 510mm x 741mm	1107mm x 510mm x 741mm	1707mm x 510mm x 741mm
Air Cleanliness	ISO Class 5		
Primary Filter	H14 HEPA Filter - 99.97% efficient at 0.3µm		
Power Consumption	100 watts	150 watts	320 watts
Sound Level	circa. 54dB(A)		circa. 56dB(A)

*HEPA outlet +46mm/optional carbon outlet +55mm | Double HEPA & carbon outlet +129mm



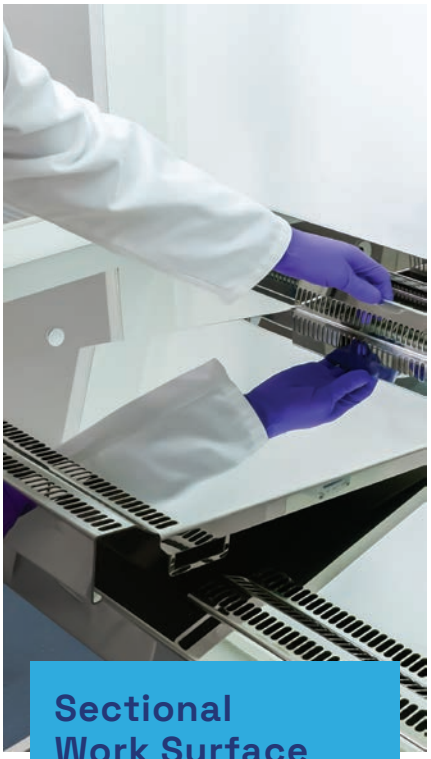
Guaranteed Protection

High quality HEPA filters are 99.97% efficient at 0.3 microns, creating an ISO 5 clean environment.



UV Chamber Disinfection

Pre-programmed start and finish ensures efficient and complete disinfection.



Sectional Work Surface

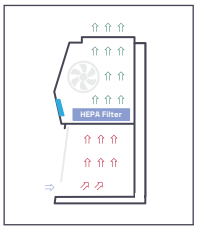
Mirror finish 316-grade stainless steel, include profiled air in-take grilles to ensure efficient airflow.

Guardian Class 1 Biological Safety Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- High-Quality HEPA Filters
- Optional Ducted Extract
- Infra-Red Intelligent Sash Safety
- Airflow Safety Monitoring



Guaranteed Personnel & Environmental Protection

The Solution

The Guardian Class 1 Biological Safety Cabinet offers optimal protection for laboratory personnel and the environment when handling hazardous biological materials.

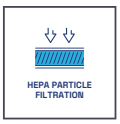
Designed to comply with EN 12469:2000 standards, the Guardian provides a safe working environment for various applications, including microbiology, virology, and molecular biology.

It is ideal for procedures where operator protection is critical, ensuring contaminants are contained effectively while maintaining an efficient workspace.

How it Operates

The Biological Safety Cabinet operates by drawing air away from the operator, creating an airflow barrier between the user and the hazardous materials.

Contaminated air is filtered through a high-efficiency particulate air [HEPA] filter before being safely exhausted, ensuring that harmful agents are contained within the cabinet.



Technical Information

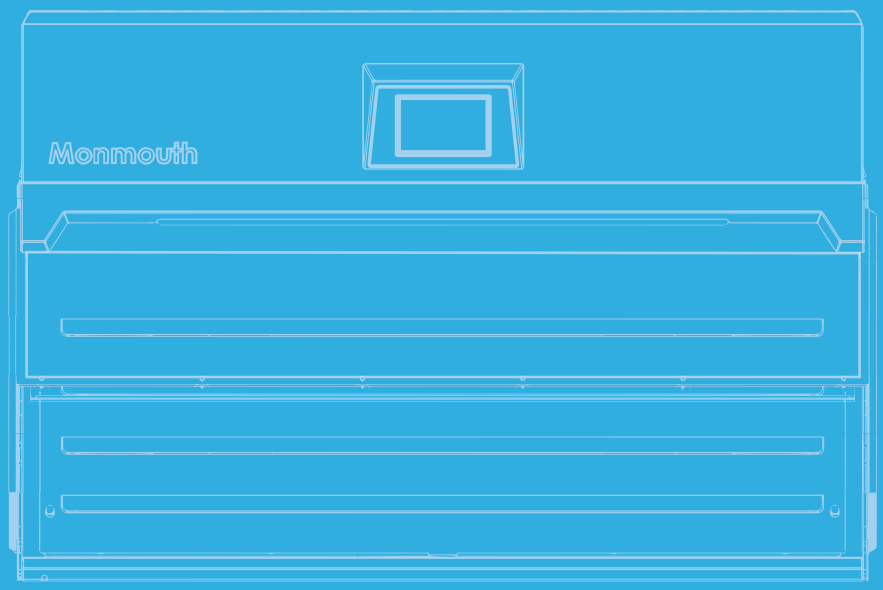
INFO

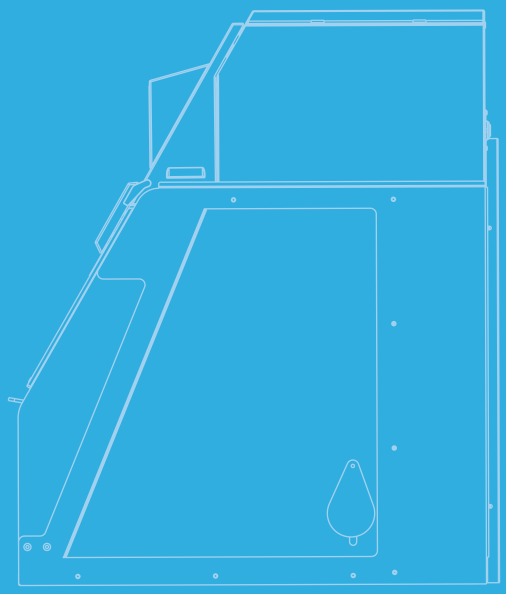
	MSC1200C1
External Dimensions (W x D x H)	1200mm x 700mm x 1330mm *
Internal Dimensions (W x D x H)	1107mm x 510mm x 741mm
Primary Filter	H14 HEPA Filter - 99.97% efficient at 0.3µm
Power Consumption	185 watts
Sound Level	circa. 75dB(A)

*HEPA outlet +46mm/optional carbon outlet +55mm | Double HEPA & carbon outlet +129mm

Powder Handling

- Circulaire® Powder Containment Cabinet
- Circulaire® Powder Containment Booth



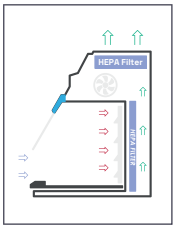


Circulaire® Powder Containment Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Rear Plenum Air Extraction
- Control Medium to Heavy Powders
- High Quality HEPA Filters
- Reliable Weight Readings



Precise Weighing & Personal Protection

The Solution

The Circulaire® Powder Containment Cabinets are designed to provide a controlled environment for accurate weighing when handling powders. Ideal for laboratories, pharmaceutical, and manufacturing environments, the cabinet ensures that hazardous substances are contained, preventing exposure to the user and the surrounding environment.

With an emphasis on safety, ergonomic design, and energy efficiency, the cabinet provides a reliable solution for tasks that require precision and cleanliness.

How it Operates

The cabinet creates a controlled airflow environment, drawing air through a HEPA filter to trap fine powders.

Negative pressure within the cabinet ensures that no contaminants escape into the external environment, while providing a safe working space for operators.

Technical Information

INFO

	PCC90	PCC120	PCC150
External Dimensions (W x D x H)	926mm x 803mm x 971mm	1226mm x 803mm x 971mm	1526mm x 803mm x 971mm
Internal Dimensions (W x D x H)	880mm x 510mm x 600mm	1180mm x 510mm x 600mm	1480mm x 510mm x 600mm
Air Volume	375m³/hr	504m³/hr	720m³/hr
Air Velocity	0.4 m/s		
Primary Filter	H14 HEPA Filter - 99.9995% efficient at 0.3µm		
Exhaust Filter	Optional Activated Carbon/HEPA		
Power Consumption	150 watts (Max.)	200 watts (Max.)	250 watts (Max.)
Sound Level	Circa. 50dB		

Circulaire® Powder Containment Booth

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Rear Plenum Air Extraction
- Control Medium to Heavy Powders
- High Quality HEPA Filters
- Airflow Safety Monitoring

First Class Operator Protection

The Solution

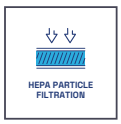
The Circulaire® Powder Containment Booth offers a safe working environment where handling powders and particulates is necessary.

It features a high-efficiency filtration system that captures airborne particles, preventing contamination and protecting both the operator and the surrounding area.

How it Operates

The booth operates by drawing air through a high-efficiency filtration system that captures airborne particles and contaminants. As air enters the booth, it passes through a pre-filter and then through HEPA filters, removing up to 99.997% of particulates.

The system maintains negative air pressure within the booth to prevent the escape of harmful substances into the surrounding area, ensuring a safe and controlled environment for operators.



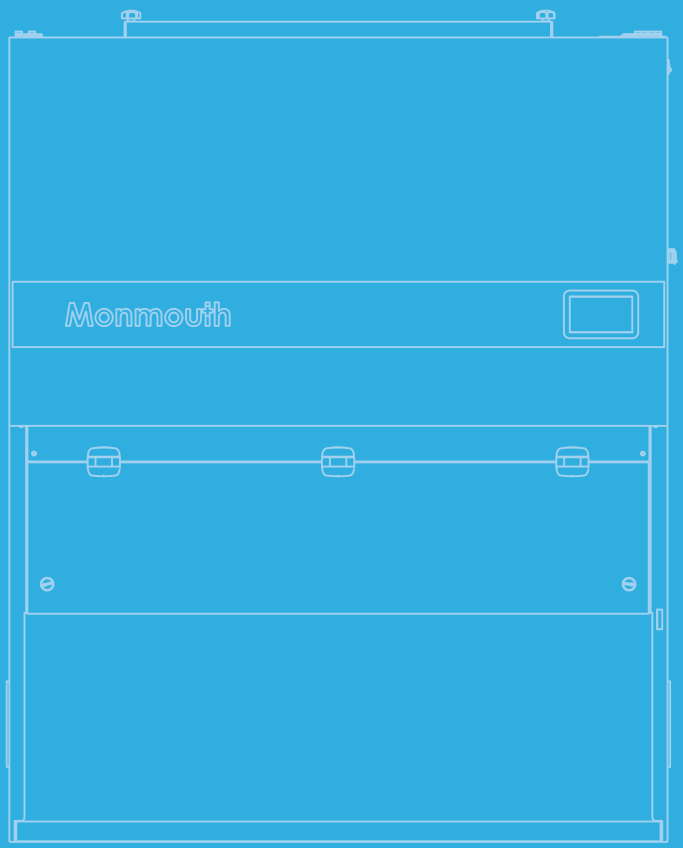
Technical Information

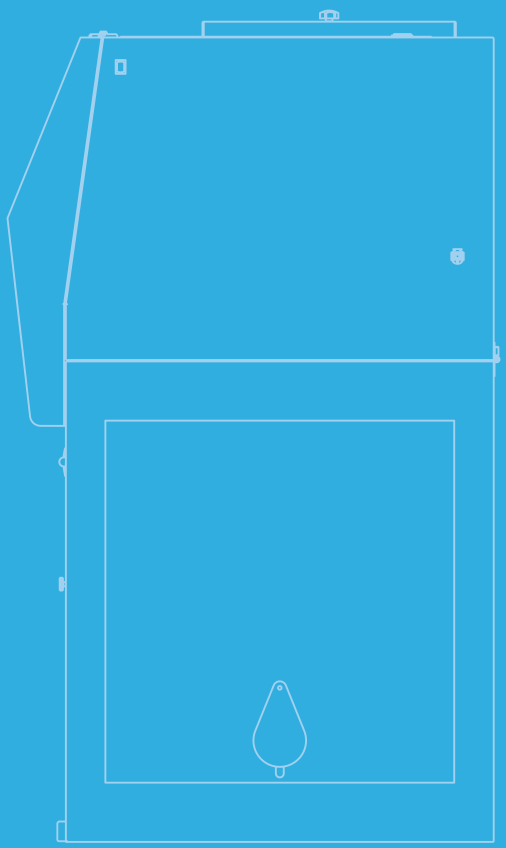
INFO

	PCB1800
External Dimensions (W x D x H)	1800mm x 750mm x 2600mm (Fixed) or 2735mm (Mobile)
Internal Dimensions (W x D x H)	1700mm x 600mm x 1800mm
Air Velocity	Adjustable to 0.9m/sec
Air Volume	Adjustable to 1350m³/hr
Primary Filter	H13 HEPA Filter - 99.97% efficient at 0.3µm
Power Consumption	960 watts (Max.)
Sound Level	circa. 60db(A)

Laminar Flow

- Circulaire® Laminar Flow Cabinet
- Circulaire® PCR Cabinet



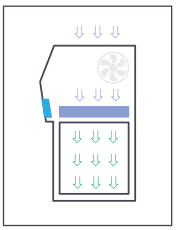


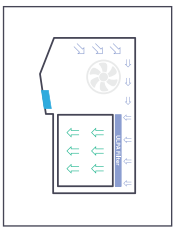
Circulaire® Laminar Flow Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- ISO 4 Clean Environment
- High Quality ULPA Filters
- Vertical/Horizontal Airflow Options
- Stainless Steel Construction Option





Contamination Free Environments

The Solution

Circulaire® Vertical and Horizontal Laminar Flow Cabinets are designed to provide a sterile environment ideal for contamination-sensitive applications.

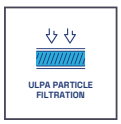
The cabinets use unidirectional airflow to prevent particulate contamination, making them ideal for critical applications such as sample preparation, medical research, and manufacturing processes in pharmaceutical and electronics industries.

How it Operates

Air is drawn in and passed through an ULPA filter that removes particles, microbes, and contaminants.

The filtered air flows evenly, either horizontally or vertically, across the cabinet to prevent cross-contamination.

The continuous flow of clean air prevents entry of external contaminants and protects the materials being handled.



Technical Information

INFO

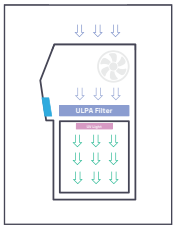
	VLFT1000	VLFT1200	VLFT1500	VLFT1800	HLFT1000	HLFT1200	HLFT1500	HLFT1800
External Dimensions (W x D x H)	1000mm x 650mm x 1255mm	1200mm x 650mm x 1255mm	1500mm x 650mm x 1255mm	1800mm x 650mm x 1255mm	1000mm x 721mm x 1166mm	1200mm x 721mm x 1166mm	1500mm x 721mm x 1166mm	1800mm x 721mm x 1166mm
Internal Dimensions (W x D x H)	984mm x 648mm x 730mm	1184mm x 648mm x 730mm	1484mm x 648mm x 730mm	1784mm x 648mm x 730mm	984mm x 540mm x 715mm	1184mm x 540mm x 715mm	1484mm x 540mm x 715mm	1784mm x 540mm x 715mm
Air Cleanliness	>ISO Class 4 (Class10)							
Laminar Flow	Vertical				Horizontal			
Airflow	850m³/hr	1050m³/hr	1325m³/hr	1600m³/hr	950m³/hr	1175m³/hr	1325m³/hr	1600m³/hr
Airflow Speed	0.4m/s							
Primary Filter	U15 ULPA - 99.9995% efficient at 0.12µm							
Power Consumption	65 watts	70 watts	80 watts	90 watts	65 watts	70 watts	80 watts	90 watts
Sound Level	circa. 51db(A)	circa. 52db(A)	circa. 54db(A)		circa. 50db(A)		circa. 54db(A)	

Circulaire® PCR Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- ISO 5 Clean Environment
- High-Quality HEPA Filters
- Vertical Airflow
- UV Chamber Sterilisation



Specialist Protection

The Solution

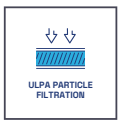
The Circulaire® PCR Cabinet is designed to create a sterile environment for Polymerase Chain Reaction [PCR] procedures.

It ensures that your work area is protected from airborne contamination while maintaining the integrity of sensitive samples.

How it Operates

The specialised cabinet integrates UV sterilisation with HEPA filtration to offer maximum contamination control, making it ideal for laboratories that require precise, contamination-free PCR sample preparation.

UV-C germicidal lamps decontaminate the internal surfaces of the cabinet between uses, neutralising potential DNA contaminants and the air recirculation system provides continuous airflow maintaining ISO Class 5.



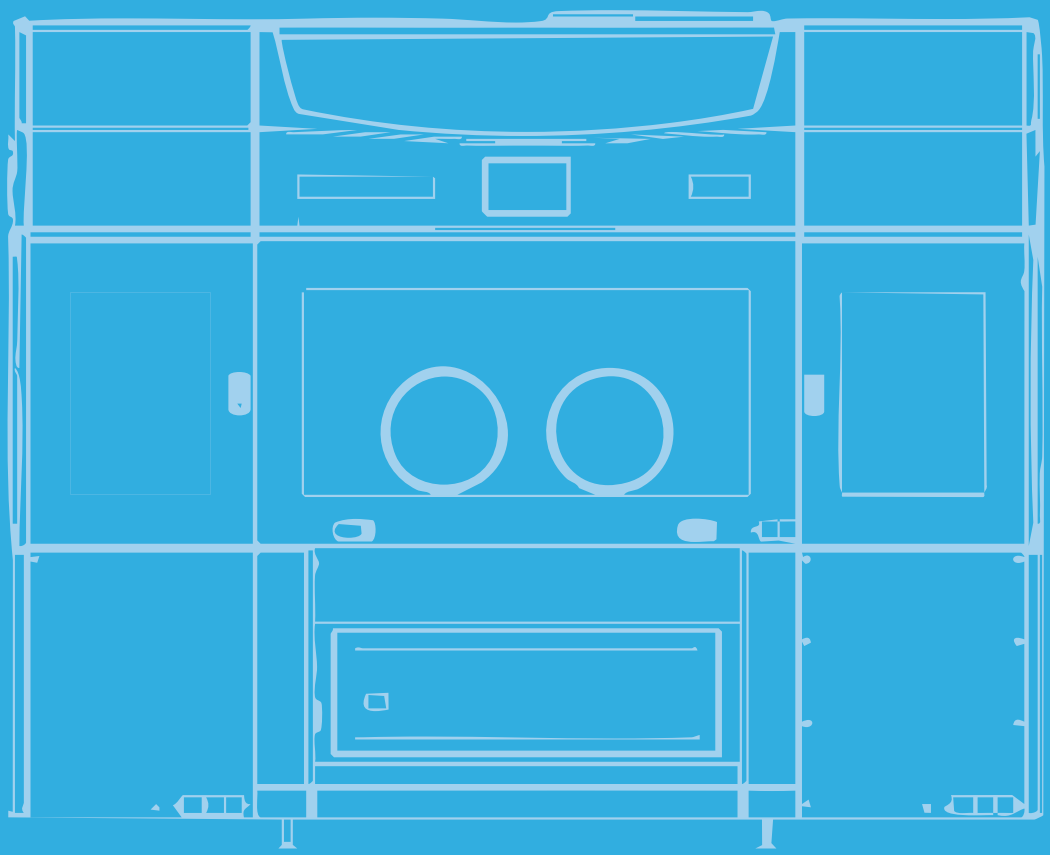
Technical Information

INFO

	PCR650
External Dimensions (W x D x H)	650mm x 560mm x 875mm
Internal Dimensions (W x D x H)	640mm x 540mm
Air Speed	0.4m/sec
Primary Filter	H14 HEPA - 99.997% efficient at 0.3µm
UV Light	20w Germicidal Lamp
Power Consumption	200 watts
Sound Level	circa. 55db(A)

Laboratory Isolators

- SKAN pure² Laboratory Isolator



SKAN pure² Laboratory Isolator

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- ISO 5 Clean Environment
- High-Quality HEPA Filters
- Selectable +/- Pressure
- Auto-Decontamination Cycles

Closed Containment for Safe Handling

The Solution

The SKAN pure² Laboratory Isolator guarantees ISO Class 5 containment inside the enclosure and is ideally suited for aseptic and aseptic-toxic processes.

Closed containment ensures safe handling conditions even when working with highly hazardous products and a fast, reproducible H_2O_2 decontamination cycle enables optimum cleanliness, sterility and validation of the system.

How it Operates

Featuring a stainless steel working chamber and airlock, it offers a smooth, easy-to-clean surface that supports hygienic operation. The system allows for selectable positive or negative pressure modes and consistently maintains GMP cleanroom Class A and ISO 5 standards.

Equipped with a user-friendly control panel and 9″ colour touchscreen, it simplifies operation and monitoring. Electronic batch recording enhances traceability.

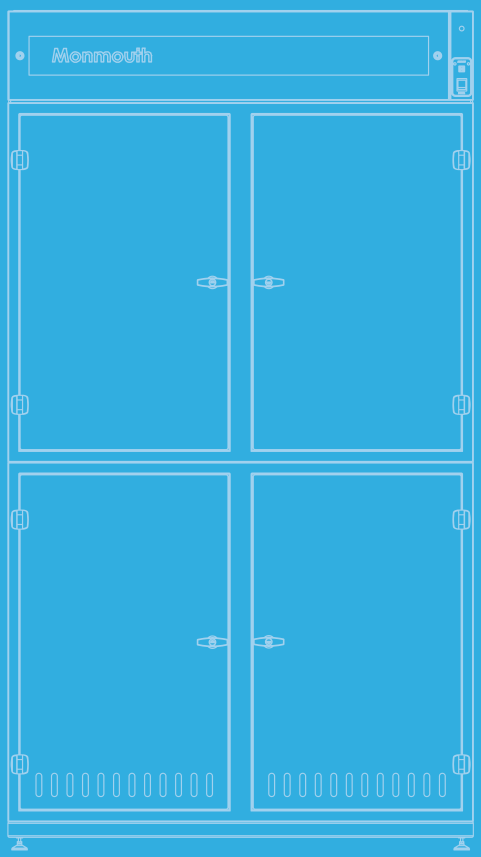
Technical Information

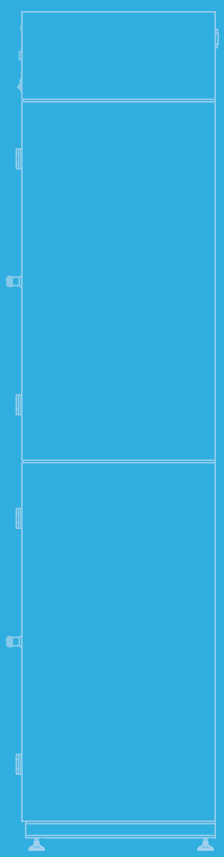
INFO

	PURE 2-GLOVE	PURE 4-GLOVE
External Dimensions (W x D x H)	2811mm x 955mm x 2277mm	3301mm x 955mm x 2277mm
Internal Dimensions (W x D x H)	1410mm x 715mm x 629mm	1895mm x 715mm x 629mm
Glove Ports	2	4
Operation Pressure Pa	-60 or 60+ (TBD at Order)	
Chamber + Airlocks	Chamber + 2 x Airlocks	
Power	3500 watts (max.)	
Sound	circa. 65db(A)	

Chemical Storage & Dispensing

- Circulaire® Chemical Storage Cabinet
- Circulaire® Chemical Dispensing Station





Circulaire® Chemical Storage Cabinet

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Lockable Safety Doors
- Reduced Chemical Hazard Risk
- Ultra-Deep Carbon Filters
- Airflow Safety Monitoring

Effective & Secure Chemical Storage

The Solution

Designed to safely store hazardous chemicals in laboratories, educational institutions, and industrial environments.

Constructed from corrosion-resistant materials, the units offer secure and compliant chemical storage to safeguard users and facilities.

The cabinet is available in a range of sizes to meet specific space requirements, while providing ventilation to prevent harmful fumes from accumulating.

How it Operates

The cabinet utilises activated carbon filtration and ventilation to maintain a safe environment.

Equipped with an integral fan and filter, it continuously extracts and neutralises harmful vapours and fumes. This reduces the risk of inhalation and ensures a clean air environment.

Technical Information

INFO

	FSC 600 L	FSC 600	FSC 1200 L	FSC 1200
External Dimensions (W x D x H)	600mm x 500mm x 1234mm	600mm x 500mm x 2154mm	1200mm x 500mm x 1234mm	1200mm x 500mm x 2154mm
Internal Dimensions (W x D x H)	557mm x 480mm x 930mm	557mm x 480mm x 930mm	1157mm x 480mm x 930mm	1157mm x 480mm x 930mm
Airflow	200m³/hr		350m³/hr	
Primary Filter	Large Capacity Activated Carbon			
Power	300 watts		500 watts	
Sound	circa. 53db(A)			

Circulaire® Chemical Dispensing Station

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- 25 Litre Capacity
- Compact Footprint
- Ultra-Deep Carbon Filters
- Airflow Safety Monitoring

A Safe Solution for Chemical Dispensing

The Solution

The Circulaire® Chemical Dispensing Station is a purpose-built unit designed to provide a safe, efficient, and controlled environment for the dispensing and handling of hazardous chemicals such as Formalin and Formaldehyde.

Featuring a 25-litre capacity the station is ideal for handling sensitive chemical processes in research and development settings enhancing operational efficiency and safety in laboratories.

How it Operates

The dispensing station operates by drawing air through its filtration system to safely contain and expel hazardous fumes. The station is equipped with activated carbon filters depending on the type of chemicals used.

The activated carbon filtration system captures toxic gases during the dispensing process, ensuring clean air is circulated back into the working environment.

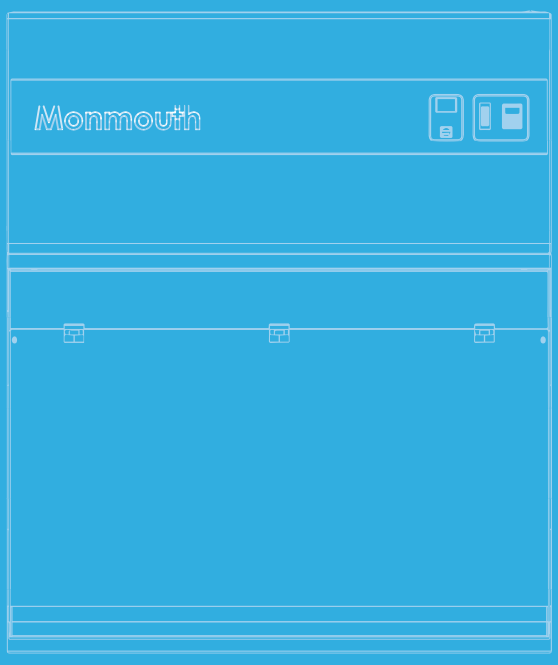
Technical Information

INFO

	FDS650
External Dimensions (W x D x H)	650mm x 600mm x 2023mm
Internal Dimensions (W x D x H)	635mm x 595mm x 758mm
Face Velocity	0.55m/sec - Automatically Maintained
Airflow	340m³/hr
Primary Filter	Large Capacity Activated Carbon
Power	80watts
Sound	circa. 52db(A)

Downflow

- Circulaire® Downflow Workstation
- Circulaire® Downflow Workbench

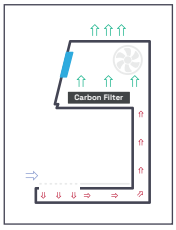


Circulaire® Downflow Workstation

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Compact Design
- Unrestricted Working Area
- Ultra-Deep Carbon Filters
- Airflow Safety Monitoring



Compact & Efficient

The Solution

The Circulaire® Downflow Workstation is designed for applications requiring operator protection from chemical exposure.

Featuring a carbon filtration system, the workstation ensures a clean and safe working environment by capturing hazardous fumes, vapours, and particulates at the source.

Its compact, mobile design provides a flexible solution for managing harmful substances in confined spaces.

How it Operates

The workstation operates by drawing air downwards through the work surface, capturing fumes and contaminants generated during processes.

The air is then passed through the carbon filtration system that traps hazardous vapours and particulates, ensuring clean air is recirculated.

Technical Information

INFO

	W700	W1000
External Dimensions (W x D x H)	700mm x 600mm x 840mm	1000mm x 600mm x 840mm
Internal Dimensions (W x D x H)	696mm x 540mm x 400mm	996mm x 540mm x 400mm
Primary Filter	Large Capacity Activated Carbon or HEPA Filter	
Power	250 watts	300 watts
Sound	circa. 53db(A)	circa. 57db(A)

Circulaire® Downflow Workbench

Features & Benefits

INFO

- Recirculating Technology
- Energy Efficient
- Custom Specification
- Unrestricted Working Area
- Ultra-Deep Carbon Filters
- Airflow Safety Monitoring

Controlled Fume Containment

The Solution

The Circulaire® Downflow Workbench containment system is designed to protect operators from potentially hazardous fumes, or vapours during laboratory and industrial processes.

Each unit is custom-built, ensuring that your application and workspace requirements are integrated into the design. Whether it's a unique size, filtration type, or specific operational feature — the Workbench is made for your environment, processes, and safety.

How it Operates

The Downflow Workbench operates using a high-efficiency downward airflow system.

Ambient air is pulled downwards through the perforated work surface by an internal fan, drawing airborne particles or vapours away from the user and through a filtration system.

Technical Information

INFO

	DFB1000	DFB1200	DFB1500	DFB1800	DFB2000
External Dimensions (W x D x H)	1000mm x 750mm x 900mm	1200mm x 750mm x 900mm	1500mm x 750mm x 900mm	1800mm x 750mm x 900mm	2000mm x 750mm x 900mm
Work Area Dimensions (W x D)	800mm x 500mm	650mm x 450mm	700mm x 500mm	1000mm x 500mm	600mm x 450mm (2no.)
Primary Filter	Large Capacity Activated Carbon or H14 HEPA Filter – 99.97% efficient at 0.3um				
Sink Dimensions (W x D x H)	N/A	450mm x 350mm x 250mm			
Sound	circa. 52db(A)				

Manufactured to Custom Size Requirements.

protecting what matters.

controlled clean environments for critical applications.

Fume Containment | Biological Safety | Modular Cleanrooms | Powder Handling | Laminar Flow

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