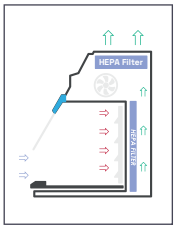
Monmouth Scientific

Circulaire® Powder Containment Cabinet Pro

Features & Benefits

INFO

- Upgraded Design & Construction
- Energy Efficient
- Rear Plenum Air Extraction
- Control Medium to Heavy Powders
- High Quality HEPA Filters
- Reliable Weight Readings

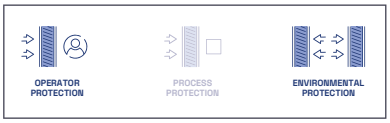


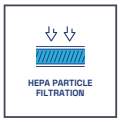
Precise Weighing & Personal Protection

Solution

The Circulaire® Powder Containment Cabinet Pro is designed to support critical processes such as sampling, product transfer, and precision weighing of hazardous powders. It provides a controlled, stable environment for handling materials that require analytical, precision, and ultra-micro balances.

Engineered for pharmaceutical and high-containment applications, it helps maintain operator safety and product integrity throughout every stage of powder handling.





Operation

The cabinet operates by drawing air through the front aperture and directing it through a high-efficiency HEPA filtration system, capturing airborne particulates at source.

Maintained under negative pressure, the cabinet prevents the escape of contaminants into the surrounding environment, supporting operator protection. Filtered air is safely recirculated, creating a clean, controlled workspace.

Continuous airflow monitoring ensures stable performance, while a safe-change bag-in/bag-out filter system enables secure filter replacement without exposing operators or the environment to hazardous particulates.

Technical Information

INFO

	PCC90	PCC120	PCC150
External Dimensions (W x D x H)	923mm x 832mm x 970mm	1223mm x 832mm x 970mm	1523mm x 832mm x 970mm
Worksurface (W x D)	840mm x 490mm	1140mm x 490mm	1440mm x 490mm
Air Volume	346m³/hr	466m³/hr	586m³/hr
Air Velocity	0.37 m/s		
Primary Filter	2 x H14 HEPA Filter – 99.97% efficient at 0.3um		
Secondary Filter	Optional H14 HEPA / Activated Carbon Filter		
Power Consumption	150 watts (Max.)	200 watts (Max.)	250 watts (Max.)
Weight	130kg	174kg	217kg

INFO

Precise Weighing Results & Operator Protection

Reliable weighing results when using micro / semi-micro balances and tested to BS EN 14175.

Anti-Static Technology

Optimised to ensure performance and safeguard processes from electrostatic discharge. In partnership with **Fraser Anti-static Techniques**

FRASER Anti-Static Techniques

Eco Mode

PIR Sensors ensure efficient energy consumption by placing the cabinet in Eco Mode after a period of operator inactivity.

Filtration System

H14 HEPA filters ensure airflow is free from contaminants, to create a sterile workspace. Additional HEPA, plus Activated Carbon or Ducted options available.

Improved Structural Design

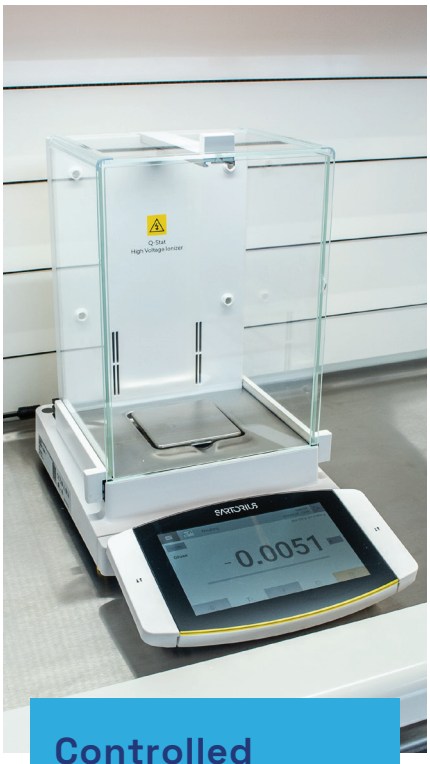
Large rear plenum improves airflow and lowers noise levels. Gas struts strengthen open/-close sash support.

Touchscreen Interface

Real-time monitoring of airflow and filter saturation enhances user safety and reduces downtime.

Dual Filtration

Two-stage filtration provides enhanced contaminant capture at source, reducing particulate load and improving protection.



Controlled Handling

Safe handling of active and toxic substances in powder form such as active pharmaceutical ingredients [API].

Rear Plenum Air Extraction

Improved airflow efficiency through rear plenum extraction, helping to maintain consistent capture and controlled containment within the working zone.

SCAN FOR SPEC

PART OF THE SDiGROUP | MADE IN BRITAIN