

Circulaire® Hybrid Fume Cupboard



COMBINING SAFETY & SUSTAINABILITY

The highly energy efficient Circulaire® Hybrid Fume Cupboard features Environmentally Responsible and Sustainable Partial Recirculation Airflow and Active Eco Technology.



**RECIRCULATING
TECHNOLOGY**



**HIGH ENERGY
EFFICIENCY**



**CARBON + HEPA
MULTI STAGE FILTERS**



**INTELLIGENT
AIRFLOW**

HOW DOES IT WORK?

Hybrid Fume Cupboard Technology differs to traditional fume cupboards which rely purely on inflow velocity for protection.

OUR GREEN HYBRID PROCESS RESULTS IN A 60% DECREASE IN EXTRACTION OF CONDITIONED LABORATORY AIR THAT WITH DUCTED FUME CUPBOARDS WOULD BE LOST TO ATMOSPHERE.

The inflow air is drawn in through the front aperture, mixing with the contaminated air from the working chamber before being drawn through air intake grilles on the work surface into the Activated Carbon/HEPA Filters.

The advanced multi-stage filter options ensure superior removal efficiency, making it suitable for diverse chemical processes and experiments.

ENVIRONMENTALLY RESPONSIBLE

Cleaned and free of contaminants, the airflow is then guided through internal ventilation where it is divided so just 40% is extracted to the duct extract system.

The remaining 60% is recirculated back into the working chamber creating an air-curtain across the front aperture to provide containment and operator safety.

AN ADDITIONAL KEY BENEFIT OF OUR HYBRID TECHNOLOGY IS THE EXTRACTED AIR IS CLEAN AND FILTERED. THE FUMES ARE REMOVED DIRECTLY AT THE SOURCE WITHOUT CONTAMINATING THE BUILDING EXHAUST AIR.

Intelligent airflow management optimises air circulation to reduce energy consumption while maintaining constant air quality.



Monmouth
Scientific
RECIRCULATING
TECHNOLOGY



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KEY FEATURES & BENEFITS

HYBRID AIRFLOW

Up to 60% less outgoing air, saves energy and operating costs.

ELECTRIC SLIDING SASH

With motion sensors for Eco Mode and anti-crush protection.

EXTRACTION AT SOURCE

Efficient extraction, even of heavy vapours, means clean air is recirculated and exhausted.

FILTER OPTIONS

A variety of filters and filter combinations are available.

ECO MODE

For sustainable and cost-saving operation.

TOUCHSCREEN

For intuitive and easy operation.

SERVICE CONTROLS

For additional power or service connections.

WORK SURFACE OPTIONS

Depending on the application, made of Stainless Steel, Glass or Plastic.



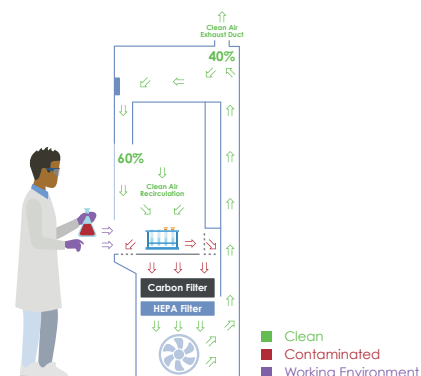
SUSTAINABLE HYBRID TECHNOLOGY

Recirculating + Ducted Fume Cupboard Technology cuts emissions by returning 60% of the air to the working chamber and exhausting 40% clean air to the outside atmosphere.



ACTIVE ECO TECHNOLOGY

Compared to a conventional fume cupboard, the volume of exhaust air and the energy used are reduced to contribute to a greener environment and make it a sustainable choice for laboratory facilities.



PRODUCT SPECIFICATION

Model	HFC1200	HFC1500	HFC1800
External (W x D x H)	1203mm x 942mm x 2562mm	1503mm x 942mm x 2562mm	1803mm x 942mm x 2562mm
Working (W 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	230v		
Sound	Circa. 56dB		Circa. 55dB



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.