

# BioMAT 1

# CAS



**Class 1  
Microbiological  
Safety Cabinets**



**MADE IN  
BRITAIN**

# Features

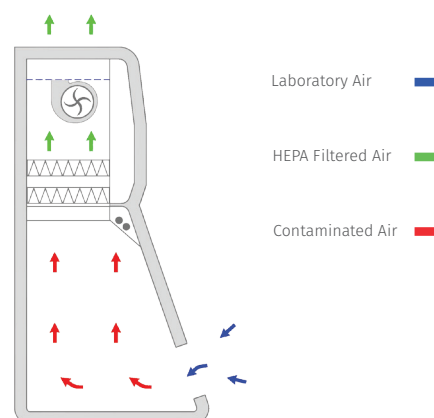


Scottish Society for  
Contamination Control



## Description

BioMAT1 Microbiological Safety Cabinets are manufactured in 2mm mild steel with a 316L grade stainless steel work surface fully welded and finished in “traffic white” RAL9016 powder coat paint. The wipe clean control membrane provides ON/OFF cabinet control, internal lighting and audible and visual alarms for low/high airflow with mute function. A full colour TFT screen displays airflow diagram and alarm conditions plus clock function and programmable UV light timer. 2No 13A sockets are provided as standard within the main working area.



Model	Exhaust Airflow	Duct Size	Weights	Elec Load	Elec Supply	Noise Level	Lighting Level
1200mm	0.13m <sup>3</sup> /sec	160mm	110kg	0.45kW *	230V/50Hz/1Ph	>65dB	>750 Lux
1500mm	0.18m <sup>3</sup> /sec	200mm	170kg	0.75kW *	230V/50Hz/1Ph	>65dB	>750 Lux
1800mm	0.22m <sup>3</sup> /sec	200mm	200kg	0.80kW *	230V/50Hz/1Ph	>65dB	>750 Lux

\* Nominal figure shown for electrical load, this may vary dependant on exhaust fan selected

## Available Models

**Ducted type:** With exhaust module incorporating single HEPA filter and integral anti blow back damper.

**Recirculation type:** With exhaust module incorporating double HEPA filters and vertical discharge grille for return air (Diagram shown above).

**Robotics Class 1:** Large cabinet designed to house automated systems fully compliant with BS EN 12469:2000.

**Class I/III hybrid type:** With gloveport closure panel to allow occasional high hazard work under negative pressure.

**Double sided:** Cabinets to allow access to work area from both sides.

**TriMAT:** Onboard bypass exhaust system to maintain constant exhaust volumes regardless of cabinet operation, designed for use within containment labs.

## Options and Accessories

- Support frame fitted with levelling feet or lockable castors
- Fail-safe gas valves
- Service taps (vacuum, lab gasses etc)
- 100% sealable night door
- UV germicidal lighting (interlocked)
- Polished grade 316L stainless steel work surface
- Formalin vapouriser (extract adaptor kit available for recirculation models).
- VHP inlet and outlet ports for H<sub>2</sub>O<sub>2</sub> generator

## Other CAS Products & Services

- Class 2 Microbiological Safety Cabinets
- Class 3 Microbiological Safety Cabinets
- Pharmaceutical Isolators
- Laminar Flow Cabinets
- Powder Control Booths
- Containment Booths
- Robotics Enclosures
- Ventilated Extract Tables
- Large Downflow Booths

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