

SychemSAFETY

SAFETY CABINETS

Our dual filter Class 2 **microbiological safety cabinets**, designed for all biological, microbiological, and tissue culture materials.

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Why choose SychemSAFETY?



SychemSAFETY is our range of dual filter Class 2 cabinets, incorporating the latest in laminator technology, energy-saving designs and HEPA-filtration.

SychemSAFETY is the ideal choice for your laboratory or research facility whenever operator, environmental and product protection is required.

The machine is designed for all biological, microbiological, and tissue culture materials, whether for research or for routine applications.

✓ **Active Airflow Technology**

70% of airflow is recirculated through the main HEPA filter. This provides the downflow protection, and 30% exits out through the HEPA filter to the exhaust. This limits the potential for cross-contamination and maximises staff safety.

✓ **Efficient HEPA Filters**

110 mm HEPA filters with efficiency at 99.999% against 0.3 μm particles ensure a clean sterile work chamber environment.

HEPA filters do not trap gases and toxic chemicals that may be used as an adjunct to microbiological studies.

✓ **Flow Sensors**

The downflow & exhaust fan is constantly monitored via the differential pressure sensors to maintain safe operating conditions.

SychemSAFETY features alarms, both acoustic and visual for unsafe airflow conditions or any interruption.



Key Features



Light Trace Technology

We provide a range of sectional worktops which can be provided in different sizes ranging from 300 mm to 1800 mm, and in AISI 316 to enable SychemSAFETY to be configured to your exact practical requirements.

Sectional 300 mm worktops allow loads up to 50kg.

Low Noise Level

SychemSAFETY's unique design, incorporating laminator technology, ensures true and turbulent-free laminar flow. This advancement results in lower noise levels, and a vibration-free work area. SychemSAFETY operates at a 47 dB(A) noise level at factory settings and comes with eco-save mode, which results in 37 dB(A).



Easy to Maintain

All service functions are performed from the front of the safety cabinet. This includes changing the HEPA filters, PCBs, and sensors as well as adjusting and monitoring alarms and fan speed.

SychemSAFETY features an angled pre-filter for easy inspection and filter exchange.

Airflow Range

SychemSAFETY is part of our Airflow Range, a collection of five systems that also includes:

[Bedding Dispenser](#) →

[Waste Station](#) →

[Change Station](#) →

[Air Shower](#) →





Latest energy efficient fans

All service functions are performed from the front of the cabinet

Eye level control panel

Compactly constructed with an overall depth of less than 800mm

Electrical operated front window with fully open/closed positions

Angled front window that gives a correct ergonomic working position when either seated or standing

Sectional work tops for easy removal, cleaning and decontamination

Wide range of support stands

Why Choose SychemSAFETY?

- **Optimal User Comfort:** New EC fans and optimised airflow contribute to a 6 dB(A) noise reduction, ensuring a quieter and more comfortable workspace (47 dB(A) at factory settings, 37 dB(A) in Eco-save mode)
- **Ergonomic Design:** V-shaped angled inflow grills and a diffused laminator offer a comfortable working position and shadow-free lighting for stress-free operation
- **Panoramic Windows:** Large front and side windows provide optimal supervision and glare-free lighting
Integrated Control Panel: LCD display positioned for easy viewing and operation, ensuring optimal performance and safety
- **Energy Efficient:** The Eco-save mode reduces energy consumption while maintaining safety levels, contributing to lower operational costs
- **Customisable Options:** Available in multiple sizes and configurations, including options for UV lights, decontamination systems, and side windows for tailored solutions to fit your facility's needs

Customisable Solutions

- Option of 2 or 3 filters
- 3 decontamination options
- 3 interior styles, featuring various tabletops
- Choice of 1 or 2 outlets for various countries
- Drip pan option
- Choice of side windows or steel sides
- Optional addition of valves in the side or back wall
- A UV light for decontamination can be fitted in the chamber



SychemSAFETY offers a vast range of customisable options.



Configurations

SychemSAFETY is available in four different working width sizes, depending on the requirements of your facility:

Available in 900 mm, 1200 mm, 1500 mm or 1800 mm.

All models are available with a wide range of high-quality customised options to suit your individual needs or requirements.



SychemSAFETY: Technical Information

Dimensions		
Dimension Description	Inches	mm
Width	51	1304
Height	81	2053
Depth	31	797
Depth with cover open	50	1276

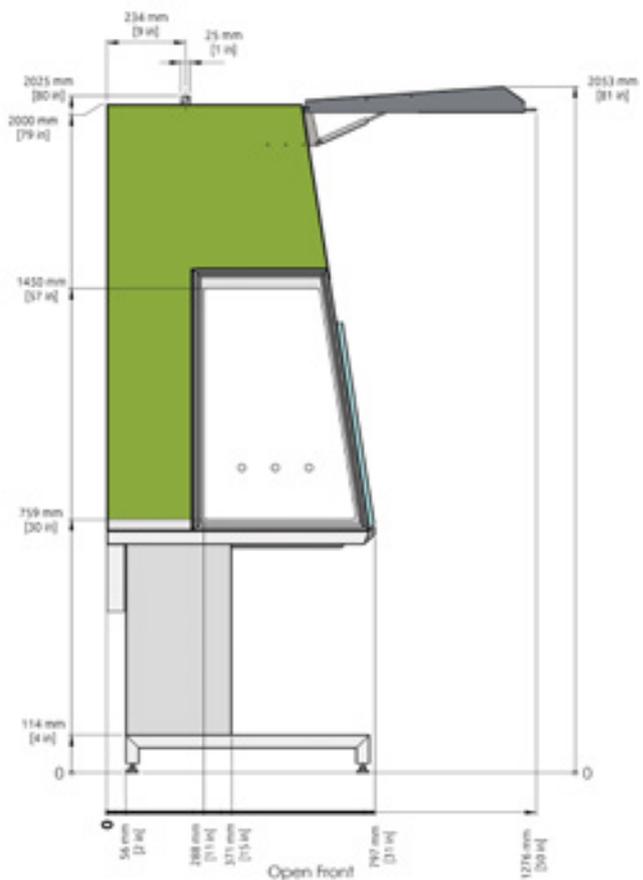
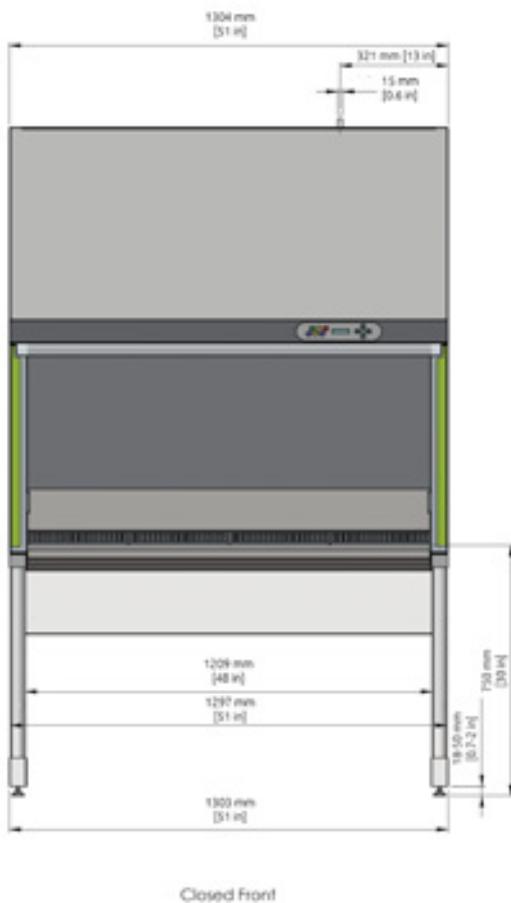
Noise	
Noise	db
At factory settings	47
In Eco-Save mode	37

Weight		
Weight	lbs	kgs
Unpacked Weight	423	192

SychemSAFETY cabinets offer advanced microbiological safety with Active Airflow Technology and efficient HEPA filters for sterile environments.

Features include low noise levels (47 dB(A) at factory settings, 37 dB(A) in Eco-save mode), ergonomic design, panoramic windows for glare-free lighting, and energy-efficient features.

Highly customisable, it meets diverse needs while ensuring optimal user comfort and safe working conditions.





**Quality you can trust,
solutions you'll love.**

 [sychem.co.uk](https://www.sychem.co.uk)

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