

# SAFETYSTATION

## One-sided animal transfer station

NEW



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

This machine features options that offer the very best protection for you, your products and your laboratory or research facility.

### Principle of operation

The air flow enters the work chamber of the cabinet via the front aperture, and continues under the worktop and up the back plenum, where 70% is recirculated through the main HEPA filter. This then provides the down flow protection, and 30% exits out through the HEPA filter to the exhaust.

SychemSAFETY features a unique design, incorporating laminator technology with down flow fans and a single exhaust fan, digitally controlled, to ensure true laminar flow and turbulent-free air distribution throughout the work chamber. This advancement results in lower noise levels, a vibration free work area, a longer filter lifetime and lower energy consumption. The vertical laminar flow recirculation provides operator protection by means of the inflow, product protection by means of the down flow and environmental protection by means of the filtered exhaust. Sychem's Safety cabinet is the ideal choice when working with microbiological samples, tissue culture, viral work, non-pathogenic manipulations, research and sampling procedures.

### Efficient HEPA Filters

110 mm HEPA filters with efficiency at 99.999% against 0.3  $\mu\text{m}$  particles, ensuring 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. Unique laminator/diffuser technology gives turbulent-free air flow, protecting your samples against particle contamination.

### Compactly constructed

SAFETY Unit is compactly constructed with an overall depth of less than 800 mm



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## Wide Section Worktops

Sectional worktops can be provided in different sizes 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 of up to 50 kg.

## Easy to Maintain

All service functions are performed from the front of the cabinet, including changing the HEPA filters, PCBs, and sensors, and adjustments/ monitoring of alarms and fan speed.

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

## 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).

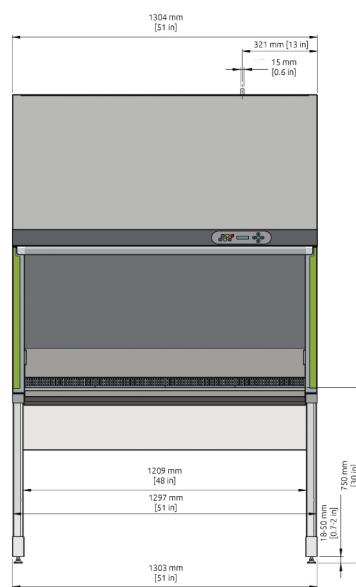
## Customisable Solutions

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

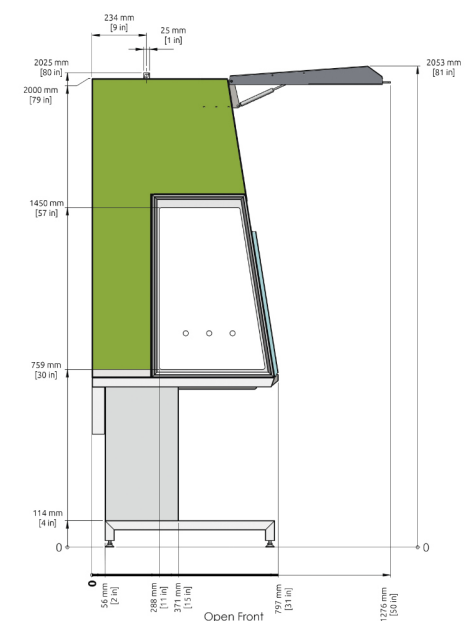
Available in 900 mm, 1200 mm, 1500 mm or 1800 mm. All models are available with a wide range of high-quality customised options to suit your individual needs or requirements.

### Annual energy savings when comparing SychemSAFETY to old equivalent cabinets in the industry

	Power consumption/W	Energy consumption/kWh**	Costs in EUR/year***	Costs/15 years****
Old generation	420	739	229	3.437
SychemSAFETY	92	162	50	753
<b>Reduction of overall energy costs</b>			<b>78 % saving EUR 2.684</b>	



Closed Front



Open Front

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