



SychemAIR

AIR SHOWER

Our high efficiency **air shower** offers an outstanding level of particle removal ensuring protection for your animals, staff and Biomedical research.

SychemAIR

Key Features

Technical Information



Contact us today!

0845 644 6824

✉ hello@sychem.co.uk

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Why choose SychemAIR?



Air shower chambers are used to remove dust, dander, and allergens from the operator.

It is a self contained unit that utilises high efficiency air flow to effectively remove all types of contaminants from every individual, reducing their contamination level before passing into a lower contamination area.

SychemAIR features a compact design, a customisable layout, easy maintenance and a flat-pack delivery option.



SychemAIR

- ✓ Active Airflow Technology
- ✓ Particle Removal Excellence
- ✓ Three Levels of Filtration

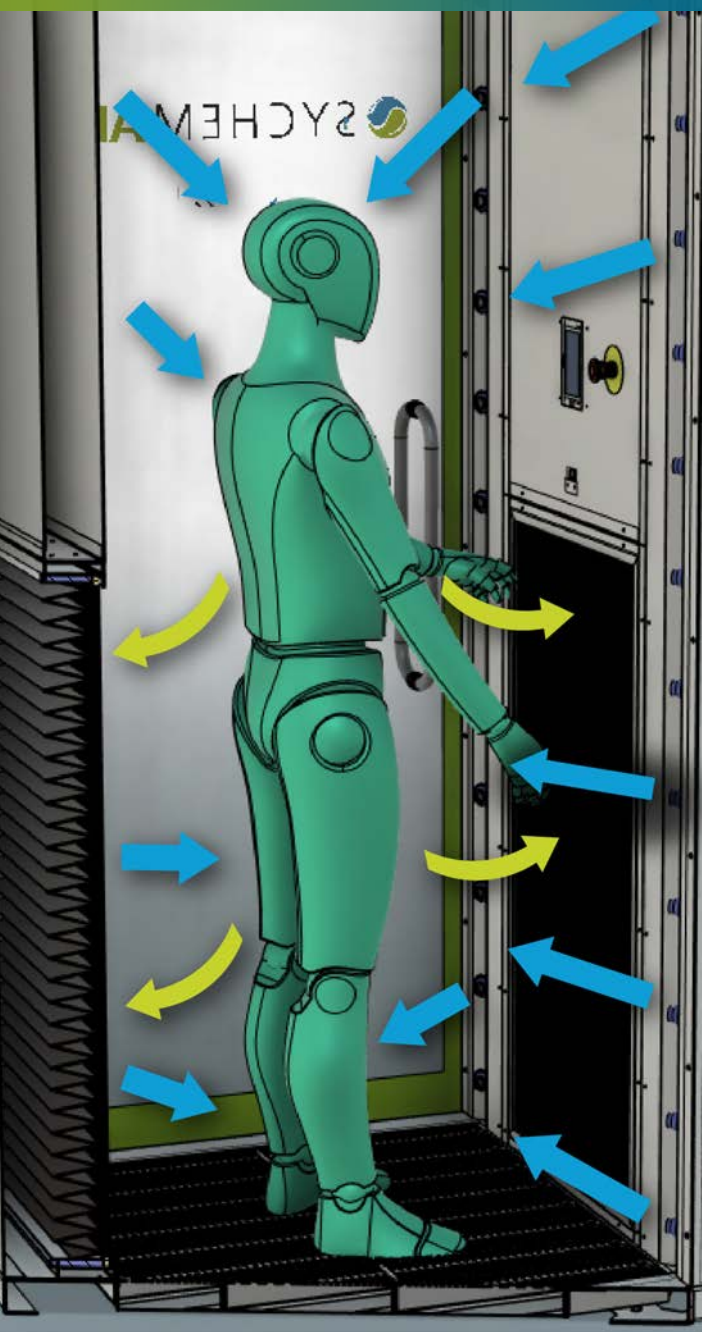
Active Airflow Technology

Our nozzles are designed to efficiently blow air from various angles, into the centre of the chamber. With an air velocity of 25 m/s (82 ft/s), SychemAIR competes with current market leaders.

SychemAIR utilises multiple fans in strategic locations, allowing for redundant airflow, and increasing the unit's reliability.



48 air nozzles create the best air coverage on the market.



Particle Removal Excellence

SychemAIR is equipped with a total of 48 air nozzles, creating an enveloping airflow. The nozzles are located in opposing corners and are angled towards the direction of the occupant, enabling optimal particle removal.

Three Levels of Filtration

SychemAIR utilises a three-level filtration system: a dust filter, a pre-filter, and a HEPA H14 filter.

The dust filter removes the larger particles such as hair, skin, and dirt from the air, and prolongs the life of the pre-filter.

The pre-filter is designed to remove medium-sized particles, such as dust, from the air.

The air then passes through the HEPA filter, removing particles up to $0.3 \mu\text{m}$, including allergens and dander.

AIRFLOW RANGE

SychemAIR is part of our Airflow Range, a collection of five systems that also includes: a dual access change station, a free flow bedding dispenser, a bedding disposal unit and a class 2 microbiological safety cabinet.



Key Features



Easy Maintenance

A full body in stainless steel, designed for easier cleanability, long duration, and better resistance to scratches. SychemAIR is designed to be customer maintainable. It is maintained entirely from within the air shower. The floor is easily removable, enabling the user to vacuum away any dirt and dust.

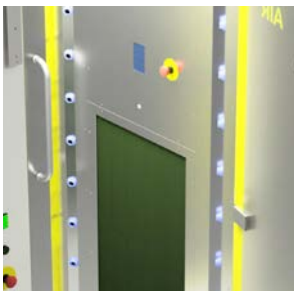
Technician access is through the ceiling.



Increased Security

SychemAIR features 3 safety stop push buttons, 1 internal and 2 external. This allows the machine to be stopped at any point of use. Each door has 2 magnet locks to prevent premature door opening, securing the airflow while the cycle is running.

Sequenced to maintain effective barrier protecting against misuse.



User-friendly design

SychemAIR is user-friendly, and easy to operate. The whole particle removal process is completed in less than a minute, starting from pressing the door release button, through to stepping out into the clean side. This efficient set-up optimises staff entry time into a lower contamination level environment.



Customisable Solutions

SychemAIR is available as a straight through passage, angle passage, and T passage (with 3 doors).

The chamber size can also be elongated as a straight through air shower corridor. The overall height can be adjusted for your facility's requirements.

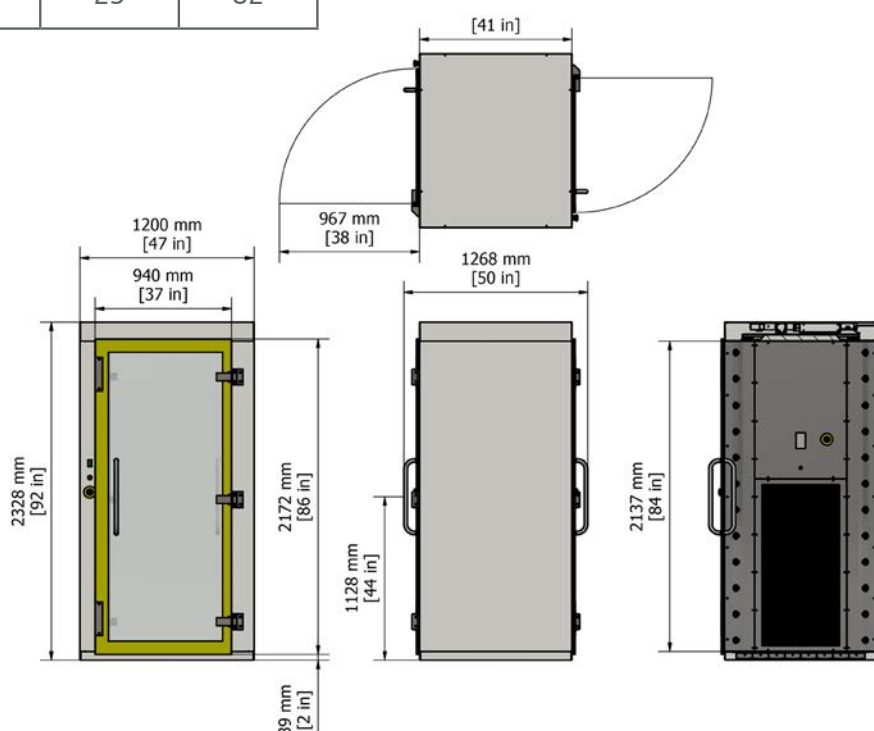
Technical information

Dimensions		
Dimension Description	Inches	mm
Width	47	1200
Height	92	2328
Depth (inc handles)	50	1268

Air Velocity		
Air Velocity	m/s	ft/s
Air Velocity	25	82

Noise	
Noise	dB
Fans only	tbc

Weight		
Weight	lbs	kgs
Unpacked Weight	tbc	tbc



Easy Installation Options

SychemAIR can be ordered as pre-built, or in a flat-pack configuration, for easy installation in limited access facilities. Our flat-pack solution offers flexible installation options to best suit your facility's needs.



SYCHEM AIRFLOW RANGE

Sychem has served the Life Science sector since 1982, providing a comprehensive range of animal care solutions, services, consumables and animal containment workstations for use in Biomedical research facilities.



SychemFILL

SychemFILL is a clean bedding dispensing system that provides the ideal solution for modernising the cage change process. Featuring unrivalled accuracy in cage filling, regardless of cage size and bedding type. SychemFILL offers a simple and effective filling process that saves time and allows for a higher throughput of cages.

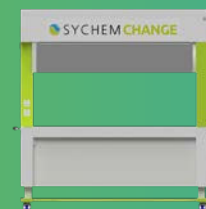
- Industry-leading accuracy
- Intuitive user interface
- Compatible with all free flowing bedding



SychemCHANGE

SychemCHANGE is a dual access animal transfer station, designed to protect animals from the external cage environment and users from allergens, dander and potential pathogens. The change station utilises Active Airflow Technology to provide a clean working environment.

- Ergonomic excellence
- TRESPA® worksurface
- Red light mode



SychemWASTE

SychemWASTE is a flexible bedding disposal station, designed to ensure the safe disposal of laboratory animal bedding. This is a mandatory requirement of any animal facility to protect technicians against laboratory animal allergens (LAA'S).

- Unrivalled cleanability
- Three stage filtration
- Double chute option





SychemSAFETY

SychemSAFETY is a range of dual filter Class 2 cabinets, incorporating the latest in laminator technology, energy-saving designs and HEPA-filtration. The SychemSAFETY cabinet is the ideal choice for your laboratory or research facility whenever operator, environmental and product protection is required.

- Efficient HEPA filters
- Flow sensors
- Customisable solutions



SychemAIR

It is a self contained unit that utilises high efficiency air flow to effectively remove all types of contaminants from every individual, reducing their contamination level before passing into a lower contamination area. SychemAIR features a compact design, a customisable layout, easy maintenance and a flatpack delivery option.

- Particle removal excellence
- Three levels of filtration
- Easy maintenance



What makes our workstations unique?

Each machine in our Airflow range utilises Sychem's Active Airflow Technology to maximise its protection for animals and technicians. All our workstations are manufactured in the UK, and are designed with ergonomic advantages.



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE
2022



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