



SychemAIR

AIR SHOWER

Our high efficiency **air shower** offering an outstanding level of particle removal to ensure protection for your animals, staff and biomedical research.

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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 before passing into a lower contamination area.

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

✓ **Active Airflow Technology**

SychemAIR utilises multiple fans placed in strategic locations to allow for redundant airflow increasing the unit's reliability.

Air velocity of 25 m/s (82 ft/s).

✓ **Particle Removal Excellence**

SychemAIR is equipped with a total of 48 air nozzles, creating an enveloping airflow. 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 μm , including allergens and dander.



Key Features



Easy Maintenance

A full body in stainless steel, designed for easier cleanability and stronger durability. SychemAIR is designed to be easily maintained and can be done so 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 magnetic 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.

Airflow Range

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

[Bedding Dispenser](#) →

[Waste Station](#) →

[Safety Cabinet](#) →

[Change Station](#) →



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.



Tailored cleanroom protection, every time.



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.

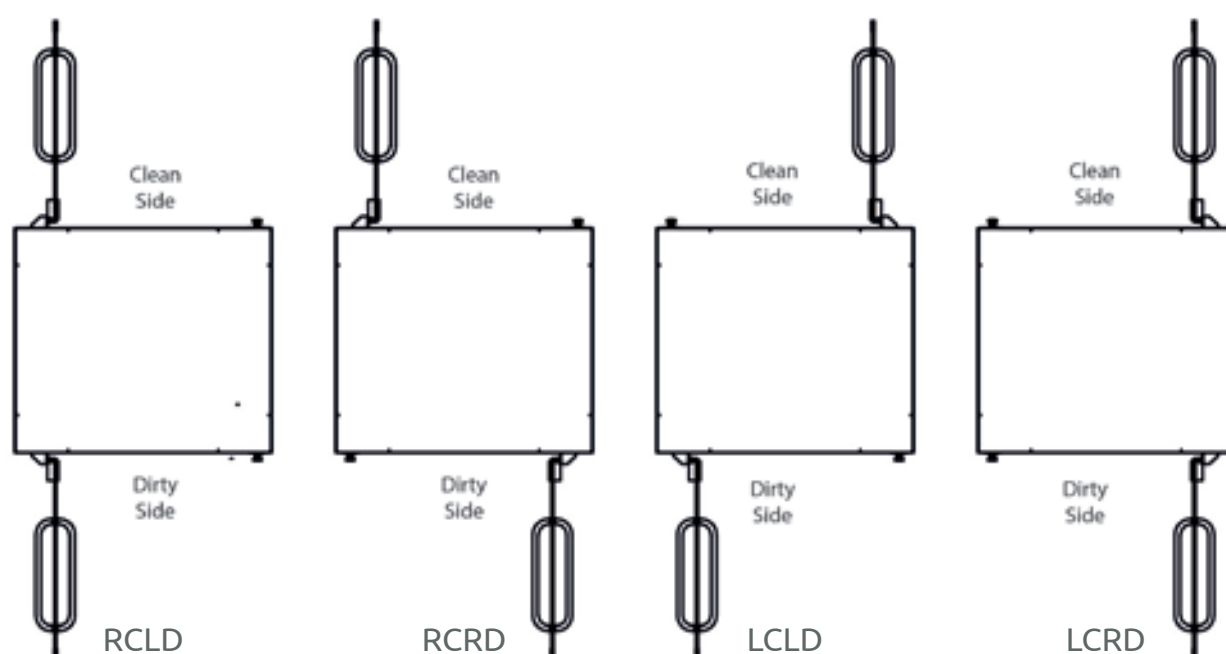


Door Configuration

At Sychem, we understand that every facility is unique, which is why we offer a selection of customisable door configurations to suit your specific workflow and space requirements.

Choose between single or double pass-through doors, with hinged or sliding styles available. For greater operational ease, doors can be either manual or automatic. The chamber layout is also fully configurable, available in straight-through, angled, or T-passage formats.

Additionally, the unit's height and length can be adapted to integrate seamlessly into your facility, making SychemAIR a truly flexible solution.



Tailored Solutions

Offering tailored cleanroom solutions to meet diverse facility needs. From adjustable air shower cycles and custom chamber dimensions to varied door styles and configurations, every detail is adaptable.

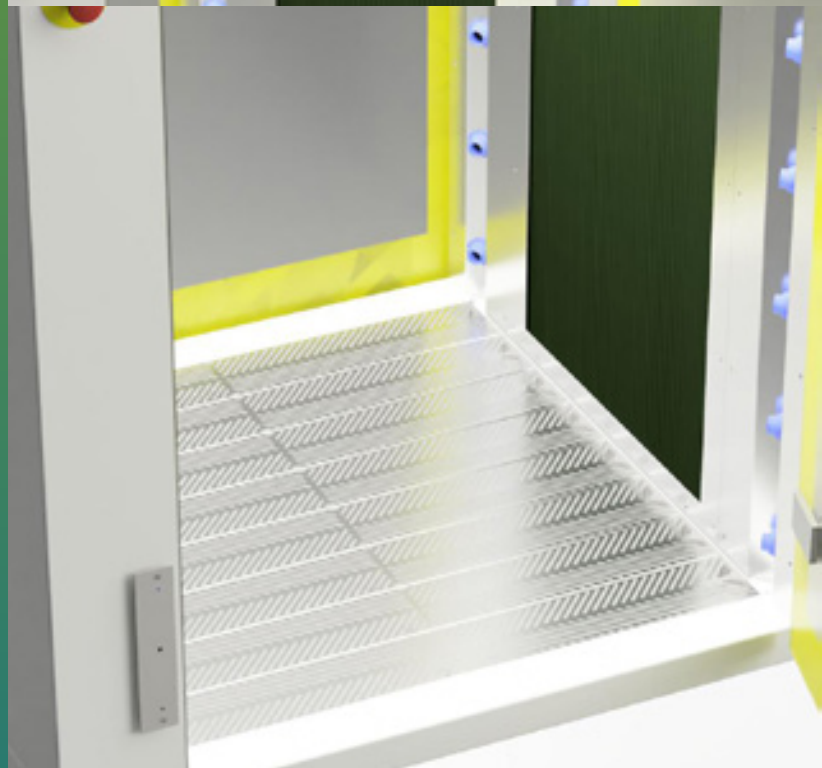


The Benefits of SychemAIR



SychemAIR is built with operator safety at its core. Featuring 48 high-velocity air nozzles and our proprietary Active Airflow Technology, it effectively reduces contamination before entering cleaner zones.

The system safeguards both personnel and processes, ensuring compliance with even the most demanding cleanroom protocols.



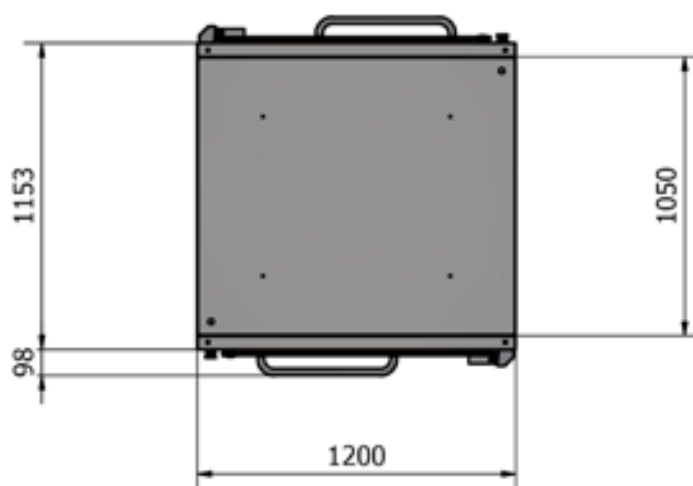
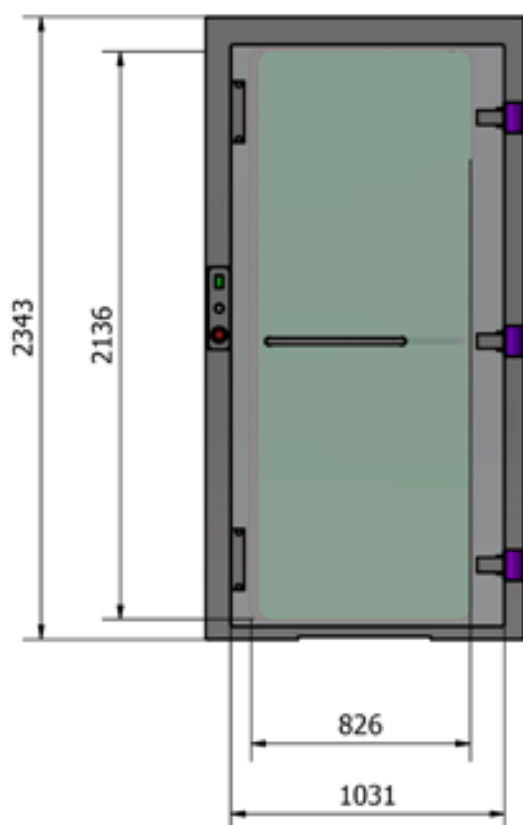
SychemAIR: Technical Information

Dimensions		
Dimension Description	Inches	mm
Width	47	1200
Height	92	2343
Depth (inc handles)	53	1349

Air Velocity	
m/s	ft/s
25	82

Weight		
Weight	lbs	kgs
Unpacked Weight	1257	570

- **Flexible Door Types:** Select hinged or sliding doors, with manual or automated operation
- **Multiple Configurations:** Choose straight-through, angled, or T-passage chamber layouts
- **Adjustable Dimensions:** Customise height and chamber length to fit your space
- **Installation Options:** Available as pre-built units or flatpack for limited-access areas





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

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