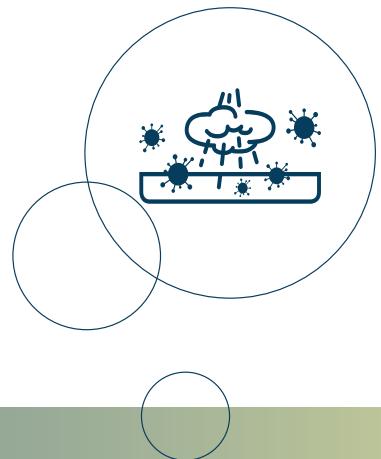


# AIRSHOWER

## BARRIER PROTECTION



SECURING BARRIER BY REMOVING PATHOGENS | EFFICIENT REMOVAL OF ALLERGENS | ADJUSTABLE SHOWER & CLEANING CYCLE | AIR TIGHT BARRIER

**SCANBUR**   
*Improving Life Sciences*





*The lowest row of air nozzles is located close to the floor level for maximum efficiency.*



*Touch screen display.*



*Spotlight inside the cabin.*

### THE AIRSHOWER

When the powerful airflow blows inside the Airshower, nearly 100 % of harmful particles are removed from staff clothing, skin and hair and are absorbed in the HEPA filter.

The adjustable procedure time is as standard 60 seconds and ensures a safe barrier between two areas.

### ANIMAL STUDY PROTECTION

The health status of the animals can influence not only the test results but also the complete cost of the animal facility. This is one of the main reasons why one should take extra precautions not to carry any pathogens from the outside into the facility.

The Airshower is a full protection barrier. The level of undesirable pathogens will be effectively removed when animal caretakers airshower before entering the animal unit.

### SAFEGUARDING EMPLOYEE HEALTH

According to reports 10-44% of all individuals working with laboratory animals can develop allergic symptoms. 22% may even develop asthma\*). Most allergies develop within 2 years from the first exposure.

The Airshower not only protects the animals from pathogens: When using the Airshower the animal caretaker minimises the risk of developing allergies because the pathogens and allergens are "rinsed off" before the person exits the animal facility.

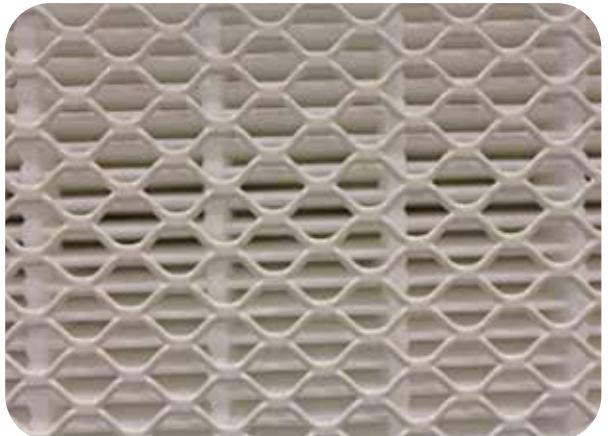
***Pathogen carrying particles from the outside will effectively be removed by the Airshower. The documented efficiency is 99.85%\*.***

\* Reference: Bush & Stave 2004/Hunskaa & Fosse, 1990

## EASY AND SAFE OPERATION

The Airshower is simple and safe to use and requires no training. Once inside the Airshower, the power is automatically turned on and the person is showered with HEPA-filtered air at high velocity for 60 seconds.

In order to ensure an effective barrier between two areas, the doors are interlocked during the cleaning cycle, and can only be opened by pushing the emergency button.



*The HEPA filter, class H14, ensures particle free air.*

## POWERFUL AIRSTREAMS

The Airshower functionality is based on recirculation of HEPA filtered air. The solution does not compromise the existing room ventilation on either side.

The air leaving the 30 nozzles has a velocity in excess of 100 km/h, which is almost hurricane in meteorological terms. The airstream circulates around and down the body to blow off particles.

The fan forces air through HEPA filters and down the double sided walls on both sides. The air is sucked back into the pre-filters and recirculated via the HEPA filters.



*The air leaving the 30 nozzles with a diameter of 38 mm, has a velocity in excess of 100 km/h.*

## HEPA FILTER CLASS H14

The Airshower operates with H14 HEPA-filtered air. The HEPA filter retains at least 99,995 % of all particles bigger than 0.3 µm.

The Airshower is classified as Clean Room Class 10 (sterile working conditions) according to Federal Standard 209D, 1988 and EN/ISO14644.

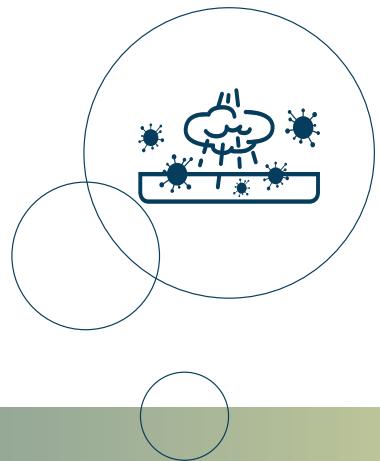


*The movable nozzles (optional) ensure the correct direction of the airflow.*

***Leave the allergy risk behind: Allergens obtained while working with the animals will effectively be removed by the Airshower. There is no reason to bring the risky aspects of work home!***

# AIRSHOWER

## BARRIER PROTECTION



### FEATURES

Animal welfare, disease control, allergy protection, good ergonomics, energy savings are all focus points in SCANBUR's development of equipment for the laboratory animal industry.

Continuous development of the Airshower has resulted in a unit that requires a minimum of space and offers the well-known and documented high level of efficiency and security.

The Airshower is equipped with an eco-fan with a power consumption of only 3 kW, offering reduced running costs and less heat emission inside the Airshower (no cooling is required).

A pre-filter change programme protects the operator during filter change.

The Airshower is based on recirculation of HEPA filtered air, and does not influence the existing room ventilation.

### CONFIGURATIONS

- 2 doors with width 900 or 1000 mm, left or right hinged (clean/unclean side)

### OPTIONS

- Connection to an external CTS or BMS source
- Red/green access light
- Airflow control
- Connection to H<sub>2</sub>O<sub>2</sub> generator for disinfection
- Additional programme for e.g. H<sub>2</sub>O<sub>2</sub> fogging

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