

# SCANTAINER CLASSIC

**Safety for animals,  
personnel and environment**

**Ergonomically designed**

**Animal welfare**



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**SCANBUR**   
Improving Life Sciences

***The Scantainer concept was developed in response to the increasing need for protection of animals as well as personnel.***



#### **SAFETY FOR ANIMALS, PERSONNEL AND ENVIRONMENT**

The basic aim of the Scantainer concept is to reduce the time of exposure to microorganisms, dust, allergens and other contaminants for animals as well as for personnel. As long as the Scantainer is closed this exposure is eliminated as all supply and exhaust air is filtered through the highly efficient filters. The Scantainer not only shortens the time of exposure, it also minimizes the contamination level in the room air as this is continuously decontaminated by the Scantainer-filters. As a result, the risk of infection of the animals inside the cabinet when the doors are opened is reduced. This risk can be limited further by using a ScantainerPLUS with individually ventilated filtertop cages and by transferring the cages to a LAF cabin for handling procedures.



#### **ERGONOMICS AND CLEANING**

The Scantainer is ergonomically designed for easy handling and cleaning.

It is made of a lightweight aluminium frame with sides and doors in plastic with smooth surfaces. All areas inside the cabinet are accessible for cleaning. There are no closed channels and air chambers.

The shelves, filters and ventilation unit, where all electrical parts are contained, are easily removable.

Furthermore the floor of the Scantainer is self-draining.



The Scantainer is equipped with specially designed plastic grid shelves offering a number of advantages. To eliminate noise and vibration the transverse plastic bars are lower than the bars running front to back. Also the shelves are suspended in unique rubber fittings to reduce noise and vibration when the rack is moved. If occasionally you need more height in the rack, one or more plastic grid shelves can easily be removed. The shelves are made in autoclavable plastic and they are suspended in an autoclavable stainless steel frame.



*This need has increased further as a result of the growing use of immunodeficient and transgenic animals and also as a result of the efforts to implement GLP. In addition allergy to laboratory animals (LAA) has been recognised as a serious occupational health hazard.*

#### ANIMAL WELFARE

Animal welfare is an important aspect of the Scantainer concept. The ventilation is provided by a sound insulated blower with minimal noise and vibration levels. The animals inside the cabinet are ensured a stable supply of filtered air at a rate of 50 to 70 changes per hour. The airflow is adjustable and is monitored by a built-in flow-meter designed to switch on the alarm when airflow falls below a pre-set minimum of approximately 25 air changes per hour. The minimum airflow level is calibrated by Scanbur prior to shipment. The plastic sides and doors protect the animals from noise outside the Scantainer.

#### FILTER EFFICIENCY

The electrostatic multi-layer filters retain 98.5% of all particles  $> 0.3 \mu\text{m}$  (H11 filter). When the filters are new the number of air changes in the Scantainer is  $> 70$  times per hour. The supply air is filtered by a plane multi-layer filter medium at the bottom of the cabinet to optimize protection of the animals in the Scantainer. The exhaust filter is a closed filter in which dust, allergens and other particles are collected on inside of the filter ensuring that the contamination risk is minimized during filter change.

All Scantainers are prepared for installation of a charcoal filter for removal of undesired odours.

#### SCAN-LOCK

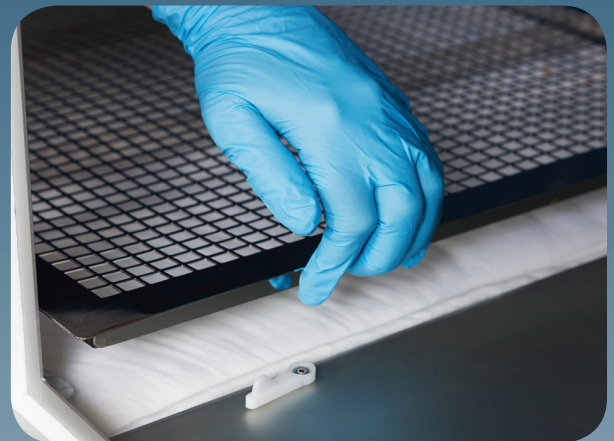
A unique handle based on the development of an efficient two-point closing principle which ensures optimal tightness and protection of both animals and personnel. The stainless steel door handle is designed for easy operation with just one hand and the open construction makes it very easy to clean and disinfect.

#### QUALITY ASSURANCE

To ensure a high and uniform quality all Scantainers are tested prior to delivery for particle retention. In addition temperature and relative humidity meters are calibrated to  $\pm 1^\circ\text{C}$  and  $\pm 2.5\%$  RH, respectively. A certificate is issued on each cabinet.



*Specially designed plastic grid shelf*



# SCANTAINER CLASSIC

## USING THE SCANTAINER

### Common protective applications:

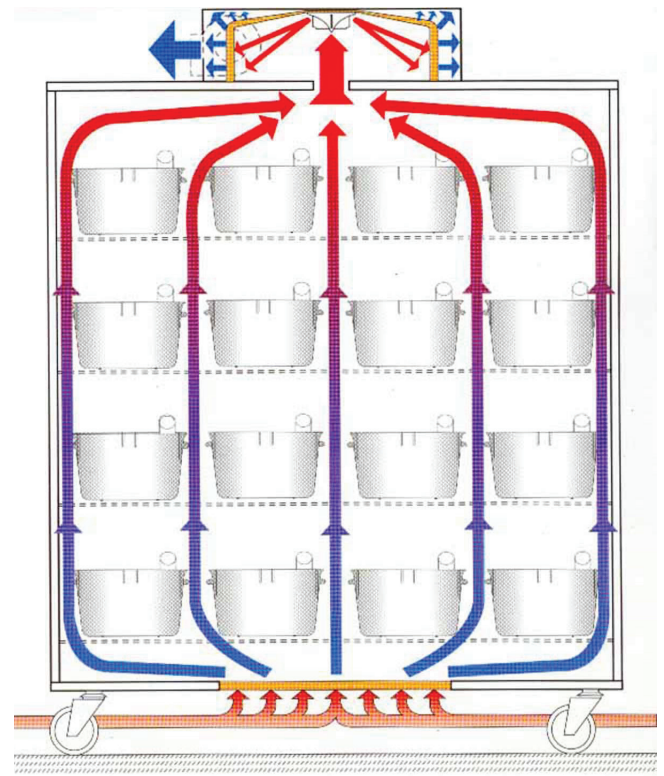
- Allergy (LAA)
- Spontaneous infections
- Experimental infections
- Genetic contamination

### A selection of animals to be protected in the Scantainer:

- Animals in long term studies
- Transgenic animals
- SCID-mice
- Nude mice and rats
- Valuable inbred strains
- High quality SPF animals

### Other common applications of the Scantainer:

- Standardisation of experiments
- Quarantine of animals
- Transportation of animals
- Separation of animals in GLP studies
- Acclimatisation of animals
- Reversing light cycles
- Placing outside the animal room - fx. in the laboratory



*The Scantainer is equipped with a closed top filter. Dust, allergenes and other particles are collected on the inside of the filter.*

*The personnel is never in direct contact with it, i.e. the contamination risk during filter change is reduced.*

## CONTACT US

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