



Housing

*Sealsafe® PLUS Rat
with TouchSLIM Plus™*

Features

- Improved cage density means having double sided racks for rats
- Exceptional filtration protects both inhabitants and facility staff
- Visibility is increased and weight has been reduced with the half-lid wire bar



Sealsafe® plus
rat

*"Sealsafe Plus Rat:
If you need a double sided high density rat cage system
with exceptional sealing
this is the product you could choose".*

TECNIPLAST®
innovation through passion™

1/Enhanced Density

The system features both a new cage base and specially designed low-profile top enabling seven rows of housing under 2 meters tall.

2/Cage Airflow Design

Inlets in the wall of the cages blow the air in at animal height, the situation in newer types of IVC seems to provoke less uncomfortable conditions*.

3/Cage Self-Locking System (CSS) & Visual Docking Indicator

You will find that our rack runners have built-in stoppers that fit the stopping lugs precisely, so each cage stops and locks in place automatically - and almost effortlessly. A visual indicator flags any cage that is not fully docked. When a cage is fitted properly into the rack, the flag disappears from view. (No flag. No problem!).

4/Easy Access

We make our tops latch-free so opening requires a simple press on the cage's front button to lift up the top, so with a wire bar lid this enables full access to each cage's contents.

5/External Water Bottle

The top features an indentation that guides precise placement of each bottle. You can move or change bottles without disturbing, or stressing, the animals.

6/Enhanced Containment

The cage body features a silicone gasket that fits snugly around the base assuring a sealed containment when the top is fitted and locked in place. Sealed with positive pressure, the cage releases < 0.2 ng/m³ of Laboratory Animal Allergens, protecting staff and researchers throughout the facility.

7/Seal and Filter

The silicone sealing gasket features a lip that accepts the cage top, ensuring an occlusive seal. A large square 0.2 micron filter area on the top of the cage also ensures the safety of its inhabitants in case of a power failure.

8/Animal Welfare

The cage and the system are designed to provide the best possible micro-environment for each animal. We define cage comfort as:

- Noise level below 50dBA.
- No ultrasound emission.
- Air speed of less than 0.2 m/sec at animal level.

9/TouchSLIM Plus™

The TouchSLIM Plus™ is an air handling unit that is fitted with a microprocessor-controlled touch screen which controls the speed of both Supply and Exhaust blowers while displaying the Temperature and Relative Humidity. Total control at your fingertips.



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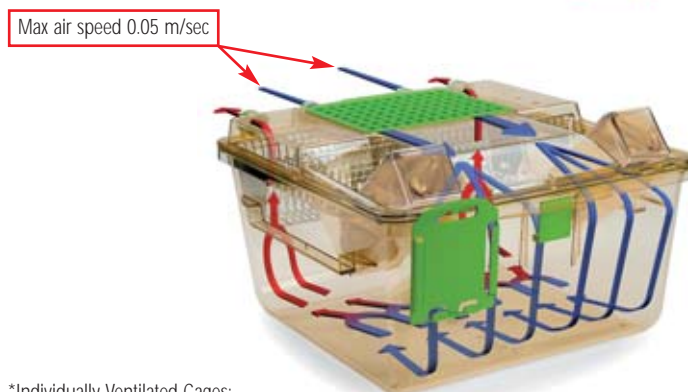
Enhanced Density

1



Cage Airflow Design

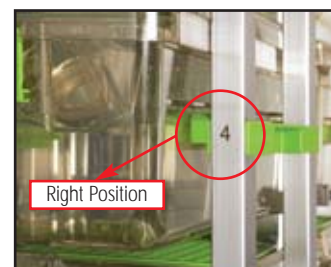
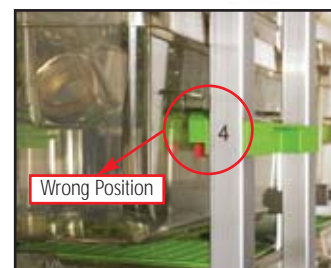
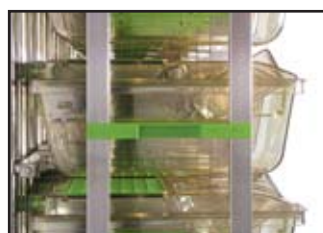
2



*Individually Ventilated Cages:
Beneficial for Mice and Men? V. Baumans et al. 2002 Contemporary Topics. Vol.41:13-19.

Cage Self-Locking System (CSS) & Visual Docking Indicator

3



Easy Access

4



External Water Bottle

5



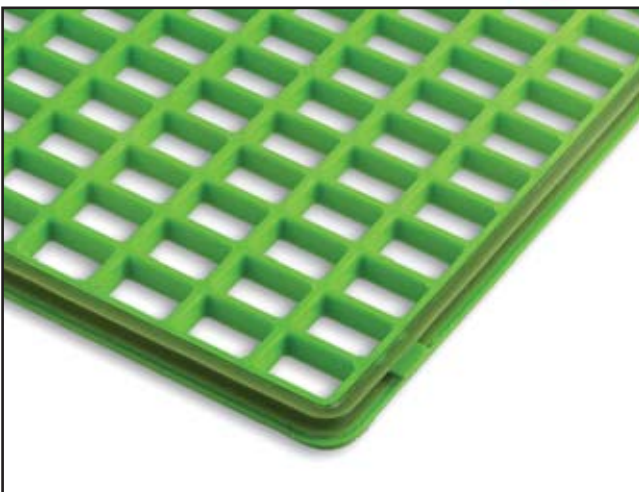
Enhanced Containment

6



Seal and Filter

7



TECHNICAL SHEET

GR900 Cage

Overall Dimensions (L x W x H): 405 x 355 x 230 mm / 16" x 14" x 9" inch
Floor area: 904 cm²

Rack type	N° cages	Width mm - inch	Depth mm - inch	Height without plenum mm - inch	Height with plenum mm - inch
2GR 28	28	1462 - 57" 1/2	500 - 20"	1840 - 72" 1/2	1976 - 77" 3/4
2GR 35	35	1820 - 71" 1/2	500 - 20"	1840 - 72" 1/2	1980 - 78"
2GR 56	56	1462 - 57" 1/2	888 - 35"	1840 - 72" 1/2	1986,5 - 78"
2GR 70	70	1820 - 71" 1/2	888 - 35"	1840 - 72" 1/2	1990 - 78" 1/4

TouchSLIM™

Overall Dimensions (L x W x H): 480 x 550 x 1954 mm / 19" x 22" x 77" inch
Heat Loss: Max 406 BTU/h
Electrical Consumption: 1A at 200 m³/h 230V • 2A at 200 m³/h 115V
Maximum Air Flow: 200 m³/h

Animal Welfare

8



TouchSLIM Plus™

9

Cost Saving

- 4 single-sided, 2 double-sided racks or a mix.
- Only need one air handling unit.
- Space saving and reduces the amount of heat produced.
- Reduction of air changes per hour at room level.

Monitoring

- Parameters monitoring and alarms.
- Monitor: supply air flow, exhaust air flow, temperature, relative humidity and pressure (optional).

Flexibility

- Flexible setting and easy to use touch screen.
- Set cage type, number of air changes per hour, pressure mode (positive or negative) and navigate with ease through the system.

Ergonomics

- Stand-alone, no vibrations transmitted.
- Casters make it easy to roll in and out.
- Ergonomic, light and independent from the rack.



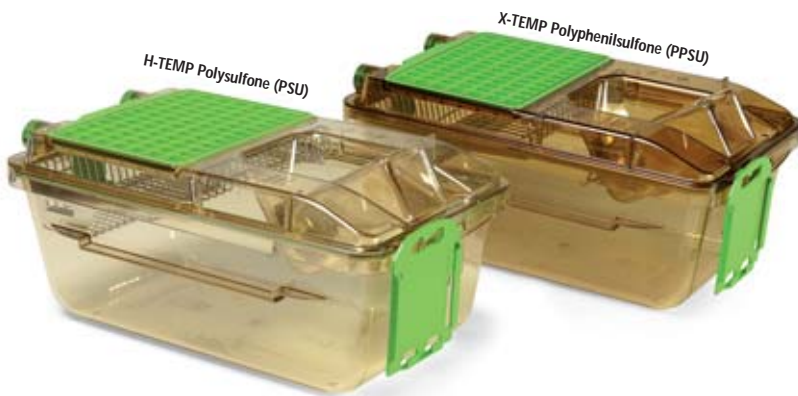
Options

- Cage body with grommet, for auto watering.
- Cage body with one button, to allow single-hand procedures.
- Flat top, without bottle indentation, for use with auto watering systems.

Warranty

Sealsafe Plus Rat cages are made of H-TEMP Polysulfone (PSU) caging, guaranteed for 3 years from the stamped date. This plastic is highly resistant and it can be autoclaved at 134° C/273° F. Considering an average of one autoclaving cycle per week, the 3 years of warranty are comparable to at least 150 cycles.

Sealsafe Plus Rat cages are made of X-TEMP Polyphenilsulfone (PPSU) caging, guaranteed for 8 years from the date stamp. This plastic is highly resistant, it can be autoclaved at 134° C/273° F. Considering an average of one autoclaving cycle per week, the 8 years of warranty are comparable to at least 400 cycles.



Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



Purple line DCC915. Drawer style cage for rats. The top stays on the rack while opening the cage. DCC stands for dynamic containment which is an unidirectional flow of air provided by the plastic top which protects the operators. Ideal for toxicology, oncology, protection for staff against allergens, quarantine.



Conventional cage for rats. A wide variety of cage sizes - open or top-filtered - on stainless steel racks is available from Tecniplast.



BS60, Biosafety Changing Station. Double side Biosafety Changing Station ideal for rat cages.

TECNIPLAST

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