

Sealsafe[®] plus
rat

IVC (R)EVOLUTION



TECNIPLAST[®]

innovation through passionSM

Tecniplast's commitment to continuous innovation led to the creation of Sealsafe® PLUS rat!!!

The brand new **GR900 Plus Rat Cage** measures 904cm², with an internal height of at least 18cm. The internal height is 18 from the bottom of the cage to the wire bar lid and even greater in the other parts of the cage.

This cage surface allows group housing (up to three 300-400g rats or two weighing more than 400g, according to ILAR guidelines; or according to ETS 123, Appendix A, guidelines, 2 rats up to 600g; or, according to UK guidelines, up to three if weighing from 350g and 450g, and up to two if weighing more than 450g).

The most outstanding features are:

- **Silicon gasket for high level containment.**
- The cage top features a **0.2µm filter** that limits the build-up of CO₂ and **avoids condensation in case of (accidental) lack of ventilation.**
- The green **filter retainer** is **equipped with a silicon gasket** which is co-moulded on the plastic, assuring a perfect sealing.
- The cage features **4 valves**, 2 supply and 2 exhaust, **in order to provide very good air removal, and to maintain low levels of air velocity and noise.** As a consequence, the conditions provided by the cage allows to carry out cage changing operations no more than once per week.
- **2 external water bottles**, located in two self-centring bottle depressions, **providing an amount of water sufficient for a week.**



ENHANCED DENSITY

The **GR900 cage** optimizes the number of rat cages per m²: the racks are all 7-row in height, with the top row always under 2 metres. The rack can feature 4 or 5 columns, and be single-sided or double-sided.

The Sealsafe Plus Rat rack features the **TouchSLIM™ PLUS as AHU**: it has been developed with the issue of density enhancement in mind: **measuring just 230 mm, it provides significant space saving.**



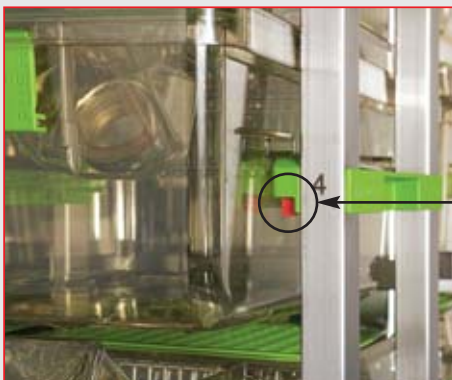
Up to 3-4 single-sided or 2 double-sided racks (see table) can be interlinked to the same TouchSLIM™ PLUS unit, to be positioned preferably in the middle.



Cage Visual Indicator (CVI)

Sealsafe® PLUS Rat racks feature the CVI (Cage Visual Indicator), a simple mechanical device that allows the operator to see at a glance whether or not the cage is placed in the right position on the rack.

The automatic locking system ensures that cages may be effortlessly removed even from the top and bottom levels.



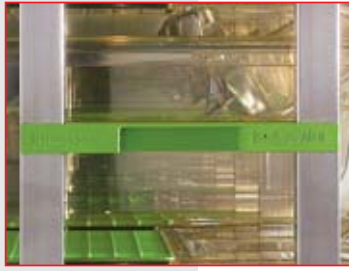
Wrong position of the cage.



Right position of the cage.

Cage Self-locking System (CSS)

The cage is suspended on the rack by means of side runners, with an automatic self-locking mechanism (CSS).



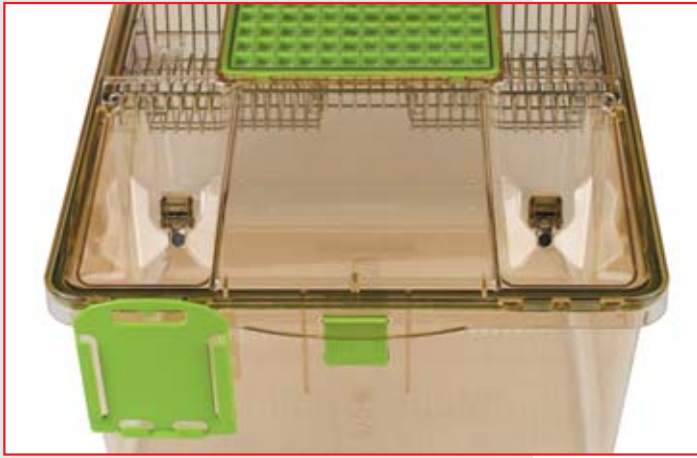
PRACTICALITY OF USE

The latch-free closure of the cage allows quick cage change and makes the cages easy to wash in tunnel washing machines.

The cage also features a wire bar half lid, which allows direct access to animals, makes for a light cage and assures excellent visibility.



The bottle depressions house the external water bottle which may be removed without the need to open the cage, thus reducing the technicians' workload.



The water bottle flaps and the openings have been designed so that they seal as soon as the bottles are removed.



ENHANCED CONTAINMENT

The enhanced containment is achieved by means of **a radial silicone gasket** built into the cage base and the practicality of use is achieved thanks to a latch-free top.

By lightly pressing the plastic top onto the cage base, **two safety buttons close the cage**.

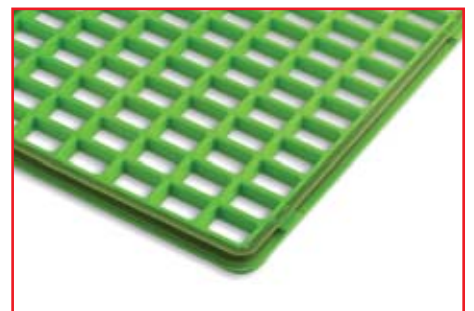
The sealing is guaranteed by the snug fit between the top and the lip of the radial silicone gasket, precluding any leakage of aero-allergens.

Air inlet and outlet valves are separated by a means of a plastic divider to avoid any shortcut and are spring loaded and equipped **with silicone o-rings** in order to seal the cage when it is pulled out of the rack.

The cage is also equipped with a **filter retainer** for microbiological filter media.

The filter retainer is **sealed around the perimeter** by means of a specially designed silicone gasket.

The nylon of the filter and the silicone of the gasket are moulded together, so that they come as a single item.



SPECIFICATIONS AND DIMENSIONS

GR 900 Cage Overall Dimensions: mm 405 x 355 x 230 (L x W x H); floor area: 904 cm²

Rack type	N° cages	Width (mm)	Depth (mm)	Height without plenum (mm)	Height with plenum (mm)
2GR 28	28	1462	500	1840	1980
2GR 35	35	1820	500	1840	1980
2GR 56	56	1462	888	1840	1990
2GR 70	70	1820	888	1840	1990



TECNIPLAST

Headquarters and Italian operations:
TECNIPLAST S.p.a. • Italy
 Tel. +39 0332 80 97 11 • Fax +39 0332 45 83 15
www.tecniplast.it • E-mail: tecnicom@tecniplast.it

TECNIPLAST DEUTSCHLAND GmbH
 Tel. 08805 921320 • Fax 08805 9213299
 E-mail: info@tecniplast.de • <http://www.tecniplast.de>

TECNIPLAST UK Ltd.
 BCM Box 3058 • London WC1N 3XX • Tel. 0845 0504556
 Fax 0845 0505557 • E-mail: info@tecniplastuk.com

TECNIPLAST FRANCE S.A.
 Lyon • Tel. 04 72 52 94 41 • Fax 04 72 17 02 66
<http://www.tecniplast.fr>

TECNIPLAST USA Inc.
 P.O. Box 1457 • Exton, PA 19341
 Toll Free (U.S. & Canada): 877.669.2243
 E-mail: info@tecniplastusa.com • <http://www.tecniplastusa.com>

TECNIPLAST AUSTRALIA Pty. Ltd.
 P.O. Box 41, Rydalmere BC Australia 1701
 Tel. + 61 2 8845 6500 • Fax + 61 2 8845 6505
 E-mail: info@tecniplast.com.au

For other countries please consult our web site: www.tecniplast.it.



ISO-9001 - Cert. n° 0875



ISO-14001 - Cert. n° 0256A/0

