



Sealsafe[®]
NEXT

IVC BLUE LINE

- **Wide range of configurations available:
High housing flexibility**
- **Limited air speed for stress
and anxiety-free animals:
Maximized animal welfare**
- **Great visibility-focused design:
Easy daily check**
- **Latches, gasket and microbiological filter:
Protection for operators and animals**

1145T NEXT



1285L NEXT



1291H NEXT



HOUSING

TECNIPLASTSM
innovation through passion

Introduction

Sealsafe NEXT consists of a wide range of cages, offering maximum flexibility with the well-known Tecniplast quality:

- 1145TN: Shoe-box cage for mice.
- 1285LN: Type II Long cage for mice.
- 1291HN: Type III cage for adult mice or rats.

1/Animal Welfare

- Air inlet and outlet valves placed in the top: **no air drafts at animal level, avoiding risk of stress and heat loss**, as reported in the scientific literature.
- Stand-alone Air Handling Unit: Easy, Smart and Sky Flow provide safe ventilation **without transmitting vibrations** to the rack, ensuring **standardization of the experiment**. The system is independently certified by TÜV.

2/Ergonomics

- Great visibility-focused design and Automatic Visual Docking Indicator with Cage Self-Locking System to help operators performing a **quicker daily check**.
- Push and Pull: **quick and easy access to the cage** to speed up changing procedures.
- External self-centering water bottle: **quicker bottle change** without removing the cage from the rack.

3/Protection for Operators and Animals

- Microbiological filter (VFE* $\geq 99.999987\%$, BFE* $\geq 99.9999937\%$) at cage level, ensures optimal gas exchange as well as **protection also during procedures or in case of power failure**.
- Nylon Gasket and Latches: **seal** between cage base and the top.
- Non-invasive rack nozzles to **avoid cross-contamination**.
- DOP tested Air Handling Unit's HEPA Filters provide **high protection against bacteria, viruses and allergens**.

*VFE: Virus Filtration Efficiency. BFE: Bacteria Filtration Efficiency.

4/Low Running Costs

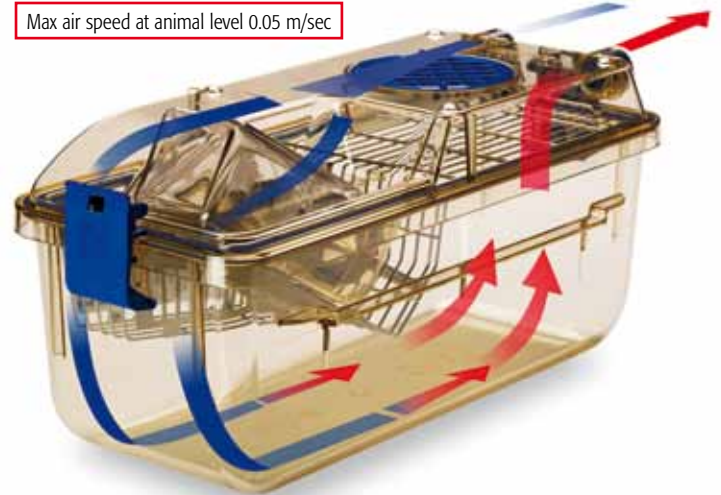
- Stand-alone air handling unit can manage up to 4 single sided racks: **energy saving with lower maintenance costs**.
- ECM DC-Blowers means **low power consumption and less maintenance**.
- Quick daily check, easy access to the cage and quicker bottle change mean **low labour costs**.

HOUSING

Sealsafe NEXT - IVC Blue Line

Animal Welfare 1

Max air speed at animal level 0.05 m/sec

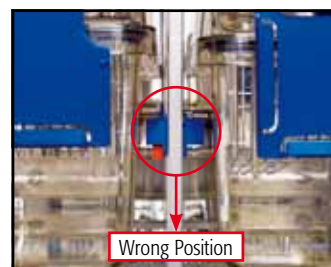


Air inlet/outlet valves placed in the top

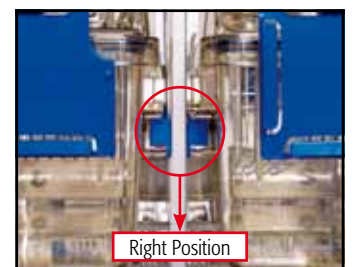
Ergonomics 2



Push and pull opening system



Wrong Position



Right Position

Automatic visual docking indicator



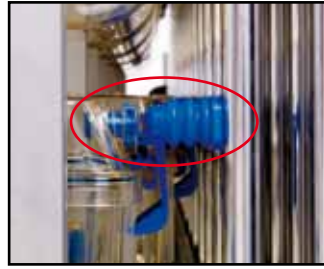
Great visibility

Protection for Operators and Animals

3



Nylon gasket and Microbiological filter



Non-invasive rack nozzles

Low Running Costs

4



- Energy-saving and Eco-compatible.
- Light and ergonomic.
- Safe for animals/operators/ environment.
- User friendly.
- Multilinking: one AHU serves up to four racks.
- High monitoring and security: Remote Alarm System (RAS) and Wireless Data Management (WDM).



Easy and Smart Flow

TECHNICAL SHEET

Sealsafe Next Cages:

- 1145T Overall Dimensions (W x D x H): 403 x 165 x 174 (190*) mm • 15.85 x 6.48 x 6.85 (7.47*) inch
Floor Area: 435 cm² • 67.42 sq inch
- 1285L Overall Dimensions (W x D x H): 396 x 215 x 172 (188*) mm • 15.59 x 8.46 x 6.77 (7.41*) inch
Floor Area: 542 cm² • 84.00 sq inch
- 1291H Overall Dimensions (W x D x H): 461 x 274 x 228 (278*) mm • 18.13 x 10.79 x 8.99 (10.95*) inch
Floor Area: 800 cm² • 124.00 sq inch

*With water bottle

Plastic Type:

- H-TEMP (Polysulfone): 3 years warranty
U-TEMP (Polyetherimide): 5 years warranty

Cage Body:

Nylon gasket; Simmetric (no back no front)

Lid:

Full length wire bar lid style

Feeder Capacity:

- 1145T 0.47 l • 15.89 fl oz (US) • 16.54 fl oz (UK)
1285L 0.66 l • 22.32 fl oz (US) • 23.23 fl oz (UK)
1291H 1.40 l • 47.34 fl oz (US) • 49.27 fl oz (UK)

Top:

Self-centering indentation for external water bottle

Water Bottle:

- 1145T 260 ml • 8.80 oz (US) • 9.15 oz (UK) capacity
1285L 260 ml • 8.80 oz (US) • 9.15 oz (UK) capacity
1291H 700 ml • 23.67 oz (US) • 24.64 oz (UK) capacity

Cage Filter Efficiency:

- Microbiological filter
Bacteria Filtration Efficiency (BFE) ≥ 99.9999937%
Virus Filtration Efficiency (VFE) ≥ 99.999987%

Sealsafe NEXT Rack

Cage	Rack	Configuration	Species	Overall Dimensions (L x W x H) - mm / inch
1145T	TN63	63 cages (7 w x 9 h) Single sided	M**	1318 x 517 x 1998 (2063*) / 51.89 x 20.36 x 78.65 (81.24*)
	TN72	72 cages (8 w x 9 h) Single sided	M**	1502 x 517 x 1998 (2063*) / 59.13 x 20.36 x 78.65 (81.24*)
	TN81	81 cages (9 w x 9 h) Single sided	M**	1686 x 517 x 1998 (2063*) / 66.38 x 20.36 x 78.65 (81.24*)
	TN126	126 cages (7 w x 9 h) Double sided	M**	1318 x 890 x 1998 (2082*) / 51.89 x 35.04 x 78.65 (81.95*)
	TN144	144 cages (8 w x 9 h) Double sided	M**	1502 x 890 x 1998 (2082*) / 59.13 x 35.04 x 78.65 (81.95*)
	TN162	162 cages (9 w x 9 h) Double sided	M**	1686 x 890 x 1998 (2082*) / 66.38 x 35.04 x 78.65 (81.95*)
1285L	LN54	54 cages (6 w x 9 h) Single sided	M**	1422 x 512 x 1998 (2068*) / 55.98 x 20.16 x 78.65 (81.42*)
	LN63	63 cages (7 w x 9 h) Single sided	M**	1654 x 512 x 1998 (2068*) / 65.12 x 20.16 x 78.65 (81.42*)
	LN72	72 cages (8 w x 9 h) Single sided	M**	1886 x 512 x 1998 (2068*) / 74.25 x 20.16 x 78.65 (81.42*)
	LN108	108 cages (6 w x 9 h) Double sided	M**	1422 x 885 x 1998 (2086*) / 55.98 x 34.82 x 78.65 (82.14*)
	LN126	126 cages (7 w x 9 h) Double sided	M**	1654 x 885 x 1998 (2086*) / 65.12 x 34.82 x 78.65 (82.14*)
	LN144	144 cages (8 w x 9 h) Double sided	M**	1886 x 885 x 1998 (2086*) / 74.25 x 34.82 x 78.65 (82.14*)
1291H	HN24	24 cages (4 w x 6 h) Single sided	M/R**	1210 x 573 x 1900 (1961*) / 47.64 x 22.55 x 74.79 (77.20*)
	HN30	30 cages (5 w x 6 h) Single sided	M/R**	1505 x 573 x 1900 (1961*) / 59.25 x 22.55 x 74.79 (77.20*)
	HN36	36 cages (6 w x 6 h) Single sided	M/R**	1800 x 573 x 1900 (1961*) / 70.87 x 22.55 x 74.79 (77.20*)

* With removable supply plenum

**M= Mouse; R= Rat



Multilinking capability: maximized density

Options

For Cage:

- Cage body with grommet, for auto watering.
- 1145T wire bar lid with external bottle in the front and food hopper in the back.

For Rack:

- Rack with automatic watering system.
- Quick disconnecting magnetic joints (connecting AHU to rack or rack to rack).
- Flexible hoses (available in several lengths).

Related Products

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



CS5 Evo changing station. Compact, ergonomic and light double-side mobile Changing Station that allows the user to easily move the cabinet inside the animal room.



Logistic trolleys offer safety and ergonomic features that enable high load-density for moving cages and bottles, crates, pallets and covers.



900 GP Series Rack Washer: designed specifically to meet the throughput needs of medium to large size facilities, these machines will live up to your highest expectations in terms of maximum cleaning efficiency, safety, environmental impact and quality construction.

ENVIRONMENTAL SUSTAINABILITY: MINIMIZE IMPACT MAXIMIZING VALUE

What Tecniplast did to become leader in sustainability:

Company:

- Quality Management System Certification according to ISO 9001 and Environmental Management System Certification according to ISO 14001.
- Certified Environmental Report according to Eni Foundation Enrico Mattei Guidelines.

Products:

- Life Cycle Assessment (LCA) according to ISO 14040 and ISO 14044.
- Carbon Footprint according to PAS 2050.
- Environmental Data Sheet according to ISO 14025.
- Contribution to credits under the LEED rating system.



ISO-9001
Cert. n° 0875



ISO-14001
Cert. n° 0256A/0



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