

Related Products

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



650 Series Cabinet Washer.
High throughput rates, short cycles and environment friendly.



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



Bottle crates.
Suitable for all cage bottle sizes. Horizontal slide-in lid, for safe bottle overturn, and low friction plastic feet for smooth sliding along fillers and washers.



CSS 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.



TECNIPLAST

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To find your local distributor, please visit www.tecniplast.it



ISO-9001 - Cert. n° 0875



ISO-14001 - Cert. n° 0256A0



1/Housing Guidelines

Tecniplast's Product Compliance with International Guidelines

Because caging equipment is one of the most important elements in the physical and social environment of the animals used in experimental procedures, Tecniplast has developed, with customers' valued help, the largest range of cages meeting or exceeding current rules and guidelines:

EU Guidelines:

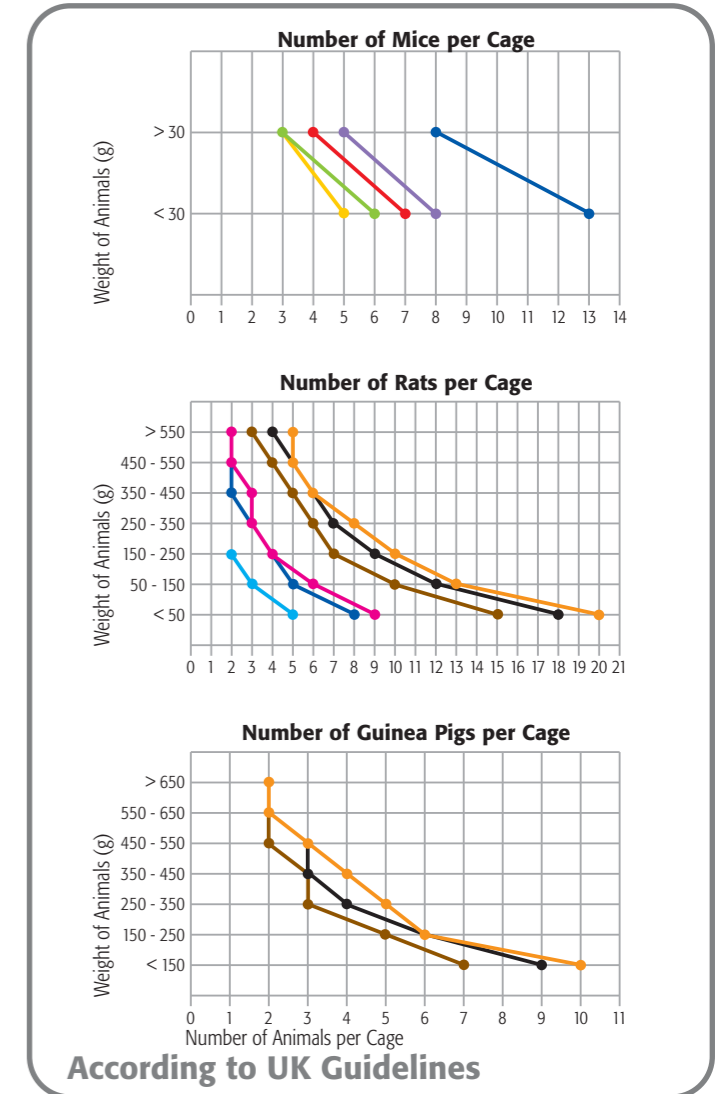
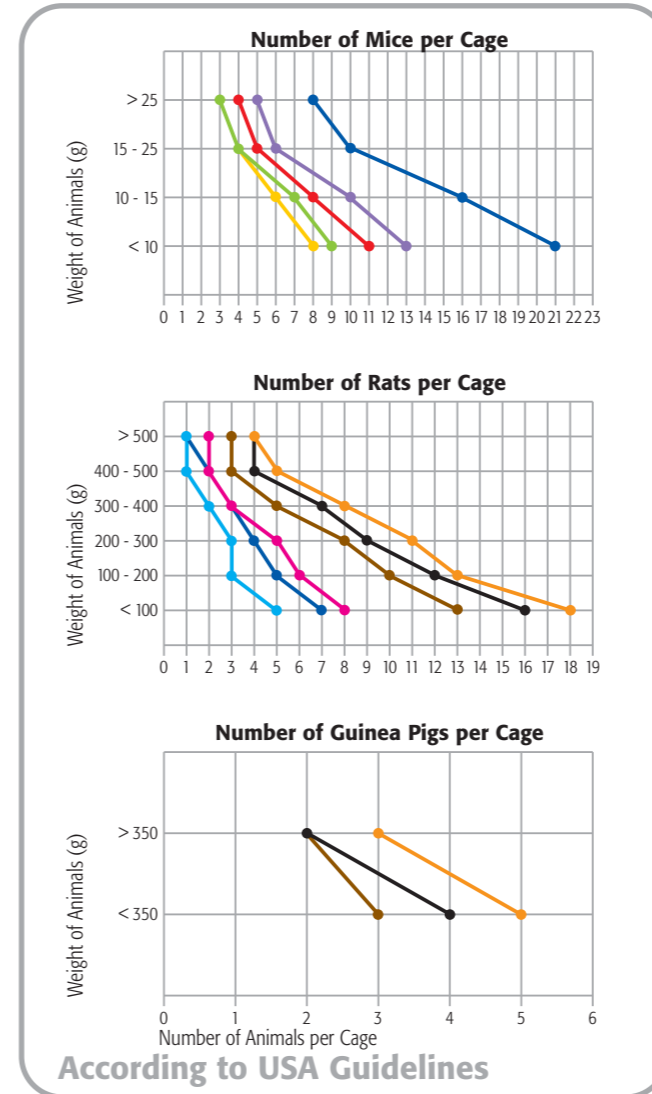
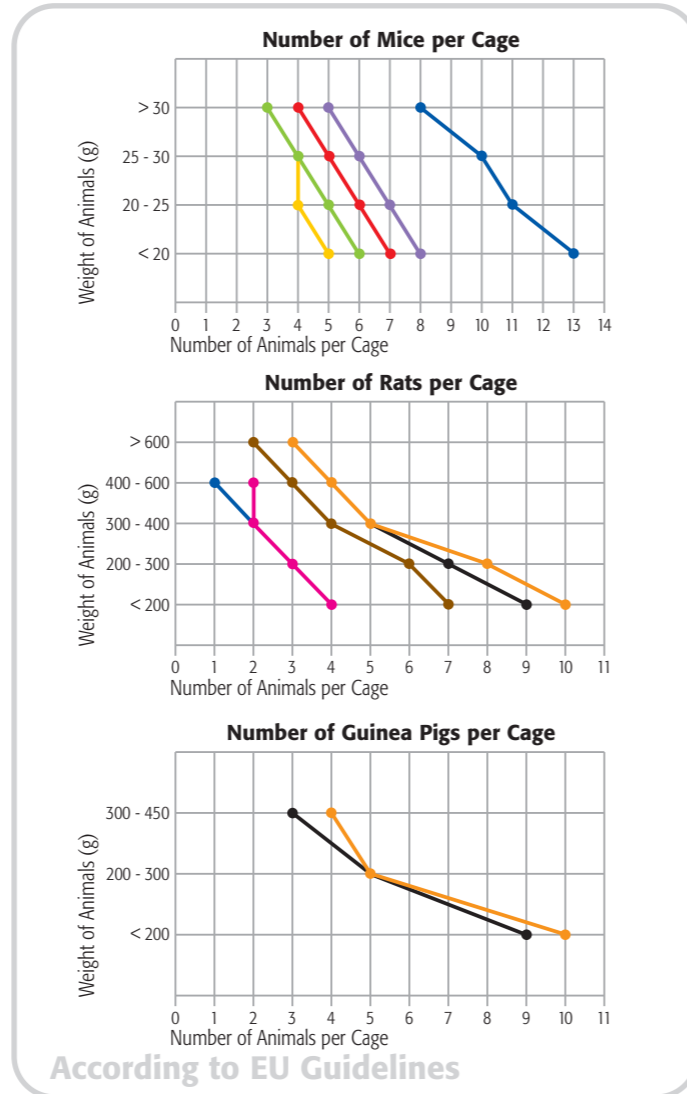
Requirements for Establishments and for the Care and Accomodation of Animals, Annex III of the Directive 2010/63/EU of the European Parliament and of the Council on the protection of animals used for scientific purposes, 22 September 2010.

USA Guidelines:

Guide for the Care and Use of Laboratory Animals, Institute of Laboratory Animal Resource, Commission Life Sciences, National Research Council, National Academy Press, Washington D.C. 1996.

UK Guidelines:

Code of Practice for the Housing and Care of Animals, used in Scientific Procedures, Home Office Animals (Scientific Procedures), ACT 1986.



EU Guidelines: Min. Floor Area and Height

Species	Body Weight (g)	Minimum Enclosure Size (cm ²)	Floor Area per Animal (cm ²)	Minimum Enclosure Height (cm)
Mice	< 20	330	60	12
	20 - 25	330	70	12
	25 - 30	330	80	12
	> 30	330	100	12
Rats	< 200	800	200	18
	200 - 300	800	250	18
	300 - 400	800	350	18
	400 - 600	800	450	18
	> 600	1500	600	18
Hamsters	< 60	800	150	14
	60 - 100	800	200	14
	> 100	800	250	14
Guinea Pigs	< 200	1800	200	23
	200 - 300	1800	350	23
	300 - 450	1800	500	23
	450 - 700	2500	700	23
	> 700	2500	900	23

USA Guidelines: Min. Floor Area and Height

Species	Weight (g)	Floor Area per Animal (cm ² /inch ²)	Minimum Height (cm/inch)
Mice	< 10	38/6	12/5
	10 - 15	51/8	12/5
	15 - 25	77/12	12/5
	> 25	> 96 ≥ 15	12/5
	> 25	> 96 ≥ 15	12/5
Rats	< 100	109/17	17/7
	100 - 200	148/23	17/7
	200 - 300	187/29	17/7
	300 - 400	258/40	17/7
	400 - 500	387/60	17/7
	> 500	> 451 ≥ 70	17/7
Hamsters	< 60	64/10	15/6
	60 - 80	83/13	15/6
	80 - 100	103/16	15/6
	> 100	> 122 ≥ 19	15/6
Guinea Pigs	< 350	387/60	17/7
	> 350	> 651 ≥ 101	17/7
	> 350	> 651 ≥ 101	17/7

UK Guidelines: Min. Floor Area and Height

Species	Weight of Animal (g)	Minimum Floor Area per Animal when Housed in Groups (cm ²)	Minimum Floor Area per Animal when Housed Singly (cm ²)	Minimum Height (cm)
Mice	< 30	60	200	12
	> 30	100	200	12
Rats	< 50	100	500	18
	50 - 150	150	500	18
	150 - 250	200	500	18
	250 - 350	250	700	20
	350 - 450	300	700	20
	450 - 550	350	700	20
Hamsters	< 60	80	300	15
	60 - 90	100	300	15
	90 - 120	120	300	15
	> 120	165	300	15
Guinea Pigs	< 150	200	700	20
	150 - 250	300	700	20
	250 - 350	400	900	20
	350 - 450	500	900	23
	450 - 550	600	900	23
	550 - 650	700	1000	23
	> 650	750	1250	23

Legend for EU, USA and UK Guidelines

- 1144B
- 1145T
- 1264C
- 1284L
- 1290D*/1291H**
- 2150E
- 2154F
- 1500U**
- 1354G
- 2000P

* With Raised Wire Lid for Rats after EU and USA Guidelines

** Raised Lid Available for Rats and Guinea Pigs after UK Guidelines

2/Cage Body Selection

Tecniplast cage bodies are designed to facilitate animal welfare, meet research requirements and minimize experimental variables. The following cage body selection is grouped by species. Please note that the dimensions are in the following order: L x W x H (Length x Width x Height)

Plastic Selection

Polycarbonate (PC):

This plastic is transparent with exceptional impact strength and heat resistance. It can be autoclaved at 121°C/250° F.



1
Year
Warranty*

Polycarbonate (PC)

H-TEMP Polysulfone (PSU):

This plastic is highly resistant, it can be autoclaved at 134°C/273°F. Considering an average of one autoclaving cycle per week, the three-year of warranty corresponds to at least 150 cycles.



3
Years
Warranty*

H-TEMP Polysulfone (PSU)

U-TEMP Polyetherimide (PEI):

This plastic is highly resistant, it can be autoclaved at 134°C/273°F. Considering an average of one cycle per week, the five-year of warranty corresponds to at least 250 cycles.



5
Years
Warranty*

U-TEMP Polyetherimide (PEI)



1144B
332 x 150 x 130 mm
floor area 335 cm²

1145T
369 x 156 x 132 mm
floor area 435 cm²

1264C Eurostandard Type II
267 x 207 x 140 mm
floor area 370 cm²

1284L
365 x 207 x 140 mm
floor area 530 cm²

1290D Eurostandard Type III
425 x 266 x 155 mm
floor area 820 cm²

Plastic Selection

Cage Body	Polycarbonate	H-Temp	U-Temp
1144B	-001	-00SU	-00PI
1145T	-001	-00SU	-00PI
1264C	-001	-00SU	-
1284L	-001	-00SU	-00PI
1290D	-001	-00SU	-
1291H	-001	-00SU	-00PI
2150E	-001	-00SU	-
2154F	-001	-00SU	-
1500U	-001	-00SU	-00PI
1354G	-001	-	-
2000P	-001	-00SU	-

For Automatic Watering option, please contact your Tecniplast sales representative.

Legend

Mice • Rats/Hamsters • Guinea Pigs



1291H Eurostandard Type III H
425 x 266 x 185 mm
floor area 800 cm²

2150E
355 x 235 x 190 mm
floor area 580 cm²

2154F
480 x 2656 x 210 mm
floor area 940 cm²



1500U Eurostandard Type IV S
480 x 375 x 210 mm
floor area 1500 cm²

1354G Eurostandard Type IV
595 x 380 x 200 mm
floor area 1820 cm²

2000P
610 x 435 x 215 mm
floor area 2065 cm²

*Please refer to the Tecniplast warranty documents.

3/Lid Selection

Tecniplast uses only first choice certified AISI 304 Stainless Steel. Guaranteed uniform quality with minimal dirt traps and excellent stackability for ease of handling and storage. Designed to ensure perfect fit and positive locking, throughout the complete product range. For different species, different lid designs are used.

Warning: DO NOT autoclave lids -014/-114/-123 on cage body (irrespective of material) as spring-clip may cause cage-wall warping!

3.1/Wire Lid

Inner Fitting Lid

The inner fitting lid is compatible with filter tops.

Series -016/-116/-015/-115

Standard lid with built-in u-shaped feed hopper and hinged divider which collapses to allow nesting of lids. Features solid sheet sides, swing-clip lock and bottle protection washer, designed to prevent chewing of non-metal tops. Series -015/-016 is without hinged divider and can be equipped with removable divider.

Series -014/-114

Same features like as series -116. The difference is the spring-clip closure. Series -014 is without hinged divider and can be equipped with removable divider.

Outer Fitting Lid

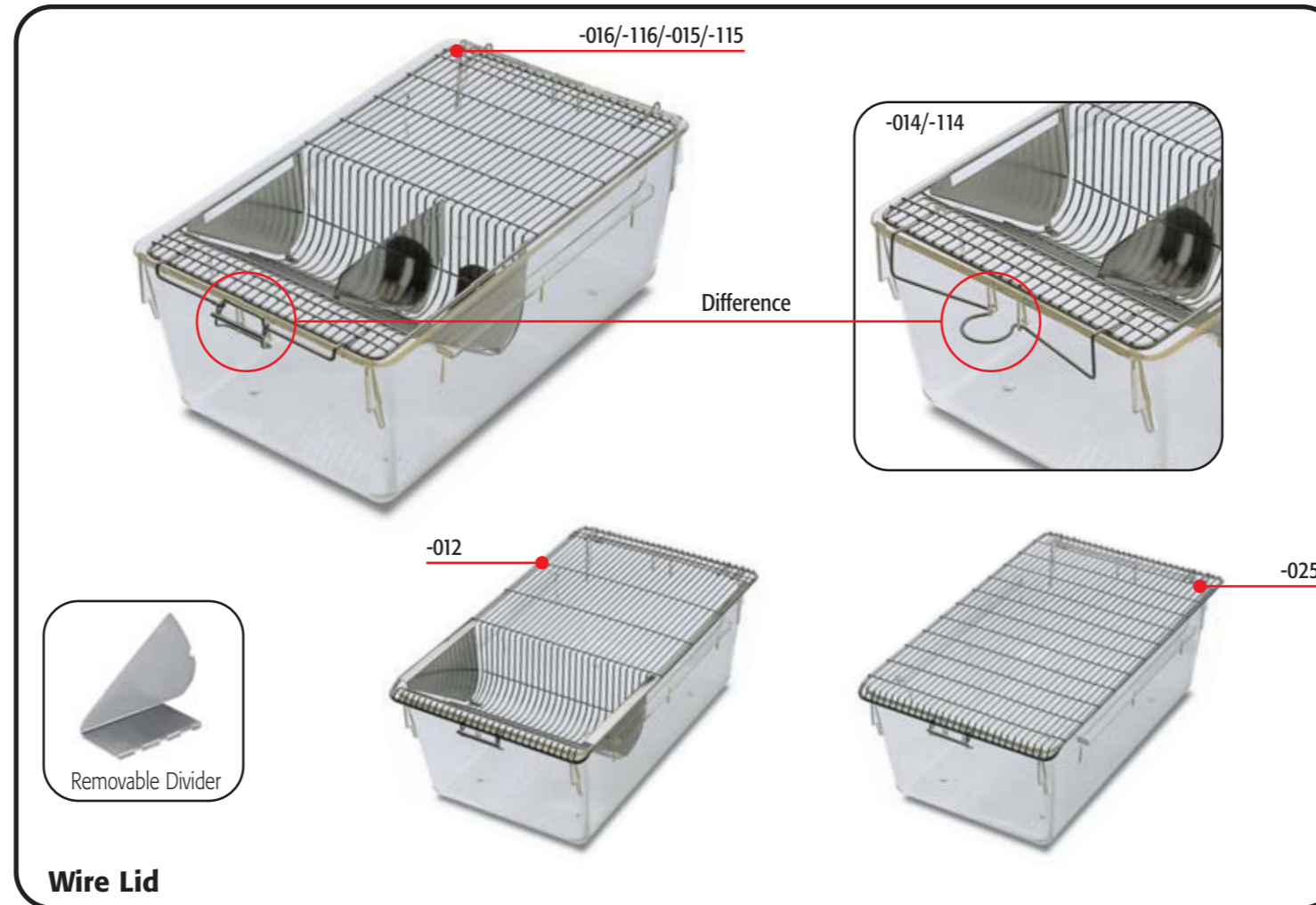
The outer fitting lid is not compatible with filter tops.

Series -012

With built-in u-shaped feed hopper, solid sheet sides, swing-clip lock and push-pull action for quick access to cage occupants. The series can be equipped with removable divider.

Series -025

Flat lid without feed hopper. Designed for use with post-surgery animals or infusion work.



Wire Lid Selection and Removable Divider

Cage Body	Inner Fitting Lid with Hinged Divider	Inner Fitting Lid without Hinged Divider	Outer Fitting Lid without Hinged Divider	Removable Divider	Flat Lid	Species
1144B	-116	-016	-	1264C812	-	Mice
1145T	-116	-016	-	-	-	Mice
1264C	-116	-016	-012	1264C812	-025	Mice
1284L	-116	-016	-	1264C812	-	Mice
1290D 1291H*	-116*	-016*	-012*	1290D812*	-025*	Mice Rats ^{▲▲▲} Hamsters
2150E	-114	-014	-	1290D812	-	Rats Hamsters
2154F	-114	-014	-	1290D812	-025	Rats Hamsters
1500U**	-116**	-016**	-	1400U812	-	Rats Hamsters
1354G	-115	-015	-012 [▲]	1290D812	-	Mice Rats Hamsters Guinea Pigs
2000P	-214 ^{▲▲} -242 ^{▲▲▲}	-014	-	-	-	Rats Hamsters Guinea Pigs

* 1291H to be ordered as 1290D -116/-016/-012/-812/-025
 ** 1500U to be ordered as 1400U -116/-016
 *** 2000P -242 to be ordered with Drop-In Hopper -962 or -950
 ▲ Can be used with mice
 ▲▲ Two dividers
 ▲▲▲ 1290D to be ordered with Raised Wire Lid for Housing Rats

3.2/Raised Wire Lid

These lids are specially designed for housing rats and guinea pigs. Please note that raised wire lids are not compatible with filter tops, except 2000P -224.

Raised Wire Lid with Built-in U-Shaped Feed Hopper

Series -123

Standard lid with hinged divider which collapses to allow nesting. Features solid sheet sides and front spring-clip closure.

Series -120/-117

Lid with hinged divider which collapses to allow nesting of lids. Features solid sheet sides and swing-clip lock. External fitting, with push-pull action for easy access to cage occupants.

Raised Wire Lid with Drop-In Hopper

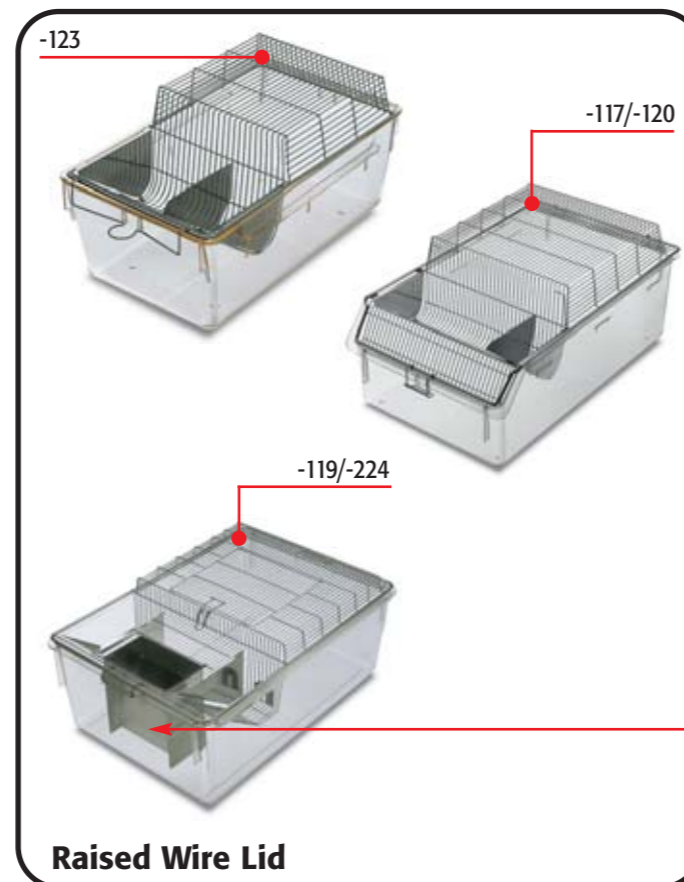
Drop-In hopper to be ordered separately.

Series -119/-224

Features swing-clip lock, dual bottle depressions, allows push-pull action, plus top opening hatch for quick access to cage occupants.

Removable Divider

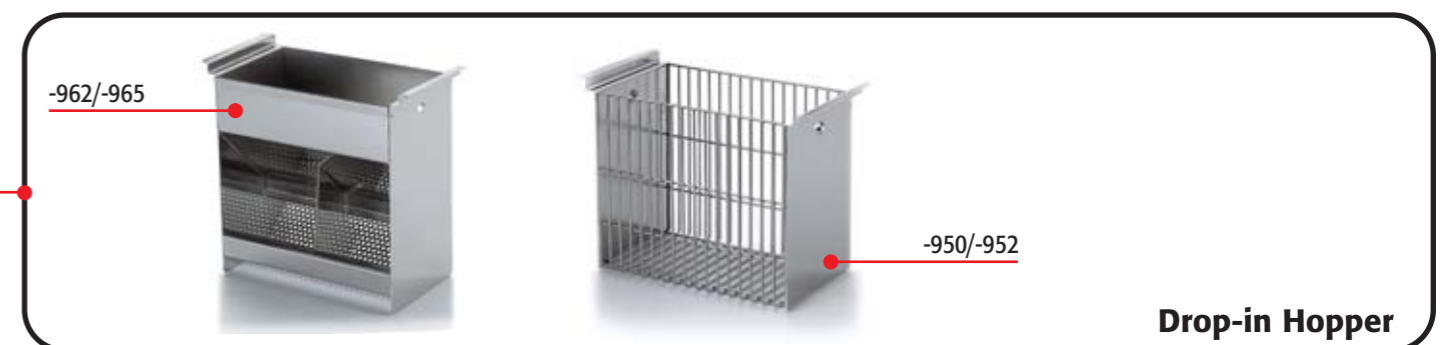
Most of the wire lids or raised wire lids, without hinged divider, can be equipped with removable dividers which have to be ordered separately. The removable divider separates the lid built-in food hopper and the bottle holder.



Raised Wire Lid Selection, Removable Divider and Drop-In Hopper

Cage Body	Lid with Divider	Lid without Divider	Removable Divider	Raised Height (mm)	Top Hatch Access (mm)	Drop-In Hopper for Guinea Pigs	Drop-In Hopper for Rats	Species
1290D 1291H*	-123*	-023*	-812*	60	-	-	-	Rats
1500U**	-224 ^{▲▲}	-	-	40	165 x 220	-965 ^{▲▲▲}	-952 ^{▲▲▲}	Rats Guinea Pigs
1354G	-117	-017	-812	25	-	-	-	Rats
	-120	-020	-812	70	-	-	-	Guinea Pigs
2000P	-119 [▲]	-	-	70	220 x 225	-965	-952	Rats
	-224 [▲]	-	-	40	220 x 225	-962	-950	Guinea Pigs

* 1291H to be ordered as 1290D -123/-023/-812 ▲ Two dividers
 ** 1500U to be ordered as 1400U -224
 *** To be ordered as 1354G -965/-952



Drop-in Hopper

4/Bottle & Cap Selection

4.1/Bottle Selection

Tecniplast produces a wide range of water bottles. The bottles have a silicone ring. This enables easy placing and removal of caps. Silicone seal is long lasting and does not need to be removed for cleaning when bottles are autoclaved. The bottle neck silicone ring features three protruding lips which prevent water from leaking. Please note, that bottle "H" is without silicone ring.

The bottles are made of clear-glass Polycarbonate (PC), complying with Title 21 FDA requirements. Autoclavable at 121°C/250°F for 20 minutes. The most popular sizes/styles are optionally available in H-Temp (PSU), amber U-Temp (PEI) and X-Temp (PPSU).

Important features:

- Consistent thickness.
- Rigid walls, cannot be squeezed when handling.
- Wide mouth (Ø 44.5 mm) to aid filling and emptying, whilst also ensuring effective washing.
- Embossed, moulded graduations as aid to volume measurement. Please note, that bottles ACBT0702 and -0702SU are ungraduated.

4.2/Cap Selection

Tecniplast metal bottle caps are totally made of polished AISI 316 Stainless Steel, to be corrosion resistant. The caps are chew-proof and have a one-piece sipper tube design. A perfect long-lasting product is guaranteed by our special production processes, constant quality standards and attention to detail. The cone shaped cap design, with the slope of the bottle, maximize water availability for animals.

Series ACCP2521

Standard bottle cap made of stainless steel with Ø 1.8 mm hole.

Series ACCP2511

Bottle cap with Ø 1.0 mm hole for special applications, where the control of water consumption is essential.

Series ACCP2522

Same design as Series ACCP2521 but made of plastic (shorter lifespan).

Series ACCP6521

Bottle cap specially designed for small, weak or post-surgery animals.

Series ACCP550

Bottle cap designed for special experiments, where easy accessibility and a higher flow rate of water is needed.

5/Label Holder Selection

Vertical or horizontal label holders are available with two different attachments:

• **With Spring:** allows label holder to swivel and enables writing without removing the card.

Please note, that the spring design is only suitable for Tecniplast cages, with pre-drilled lugs for label holder attachment.

• **With Hook:** suitable for any cage or lid

A Graduated up to: 150 ml
Total Volume: 190 ml
Ø 54 x 110 mm
Available:
• (PC) ACBT0152

B Graduated up to: 250 ml
Total Volume: 280 ml
Ø 56 x 156 mm
Available:
• (PC) ACBT0252

C Graduated up to: 260 ml
Total Volume: 300 ml
Ø 55 x 55 x 128 mm
Available:
• (PC) ACBT0262
• (PSU) ACBT0262SU
• (PEI) ACBT0262PI
• (PPSU) ACBT0262PFS
• (Black) ACBT0262N

D Graduated up to: 400 ml
Total Volume: 450 ml
Ø 72 x 72 x 122 mm
Available:
• (PC) ACBT0402
• (PSU) ACBT0402SU
• (PEI) ACBT0402PI
• (PPSU) ACBT0402PFS

E Graduated up to: 500 ml
Total Volume: 600 ml
Ø 74 x 180 mm
Available:
• (PC) ACBT0502

F Ungraduated: 700 ml
Total Volume: 720 ml
Ø 72 x 72 x 182 mm
Available:
• (PC) ACBT0702
• (PSU) ACBT0702SU

G Graduated up to: 750 ml
Total Volume: 900 ml
Ø 84 x 210 mm
Available:
• (PC) ACBT0752

H Graduated up to: 1000 ml
Total Volume: 1100 ml
Ø 83 x 83 x 225 mm
Available:
• (PC) ACBT1000

ACBTG800RIC
Silicone Ring (detail)

Legend

Bottle Selection • Bottles with Silicone Ring

ACCP2521

Cap Remover ACCPLC01

ACCP2511

ACCP550

ACCP6521

ACCP2522

Cap Selection

Bottle Selection

Cage Body	Bottle
1144B	A
1145T	C
1264C	B/D
1284L	C/D
1290D	E
1291H	E/F
2150E	C/D
2154F	F
1500U	F
1354G	F/G/H
2000P*	G/H

*Please contact us for compatibility with racks.

Cap Selection

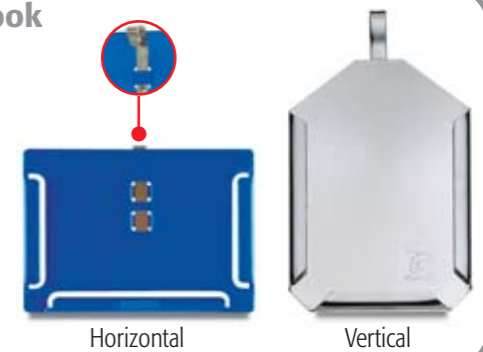
SS Cap for Bottles	Nylon Cap for Bottles	Hole (mm)	External Diameter (mm)	Length (mm)
ACCP2521	ACCP2522	Ø 1.8	6.5	25
ACCP2511	-	Ø 1.0	6.5	25
ACCP550	-	With Balls	8	50
ACCP6521	-	Ø 2.2	8	65

Label Holder Selection **5**

With Spring



With Hook



Label Holder

Label Holder Selection

Label holder	L x H (mm)	Style	Suits Cards L x (H) - (mm)
ACPC0050	75 x 105	SS Vertical with Hook	70 x (50+100)
ACPC0055	105 x 75	SS Horizontal with Spring	100 x (50+90)
ACPC0060	75 x 105	SS Vertical with Spring	70 x (50+100)
ACPC0056	130 x 77	SS Horizontal with Spring	125 x (50+90)
ACPC0046*	80 x 60	SS Horizontal with Spring	75 x (50+80)
ACPC0045PL	105 x 75	Plastic Horizontal with Hook	100 x (50+90)
ACPC0055PL	105 x 75	Plastic Horizontal with Spring	100 x (50+90)
ACPC0056PL	130 x 77	Plastic Horizontal with Spring	125 x (50+90)
ACPC0065PL	130 x 77	Plastic Horizontal with Hook	125 x (50+90)

*Wide format specific for cage 2000P

6.1/Powder Feeder

Made of AISI 304 SS, Tecniplast powder feeders are located inside the cages and hang at the cage body wall. Provided with one or more partitions, they can be accessed simultaneously by two or more animals. These feeders are designed with small compartments to prevent animals from entering and nesting and to reduce waste and spillage.

Series -927/-922/-923

Unique two-part design consisting of lower tray/hopper to be filled with powder feed, whilst the upper lid/divider section slides down directly onto the food. A series of SS cross-wires on the bottom of the top section provides many small slots through which the animals feed, encouraging the consumption of fine particles (ensuring ingestion of test medium), whilst helping to reduce wastage and prevent nesting. Ideal for powder feed studies.

Series -929

Simple "J"-Design for use with lid Series -012, in order to avoid nesting inside the powder feeder. Features anti-spill lip at front and separation wires.



Powder Feeder

Cage Body	Powder Feeder	Number of Compartments	Species
1264C	-929	2	Mice
1290D	-929	3	Rats
	-927	7	Mice
1291H	-922	2	Rats
	-923	3	Rats
2150E	-922	2	Rats
2154F	-922	2	Rats
	-923	3	Rats
1354G	-929	4	Rats

6.2/Raised Bottom Grid

Made of AISI 304 SS wire mesh which can be dropped into solid bottom cages to separate animals from their waste. It has 30mm elevation for mice and for rats/guinea pigs. Features convenient handle for easy insertion and removal.

6.3/Plastic Bag

Ideal for autoclaving cages when protective covering is needed. The plastic bags feature breathable sides to prevent cage deformation.

6.4/Filter Top

Tecniplast Filter Tops consist of three parts:

- Polysulfone (PSU) H-Temp™ Frame.
- Polyester Filter Sheet with an atmospheric dust efficiency of 92% on 8 - 10 µm particles.
- Stainless Steel Retainer.

The patented Filter Top (Mini-Isolator) Cage System creates a protective barrier at cage level with major advantages for the protection of both animals and staff. Filter Top Cages can be autoclaved as complete units. The filter top can optionally be supplied with Nylon Lock Latches, to prevent accidental dislodgement from the cage body. Due to their large filtration area, the filter tops maintain an efficient gaseous interchange with the external environment, resulting in lower levels of intra-cage NH₃ and CO₂, compared with competitor systems.

Replacement Filter Sheet

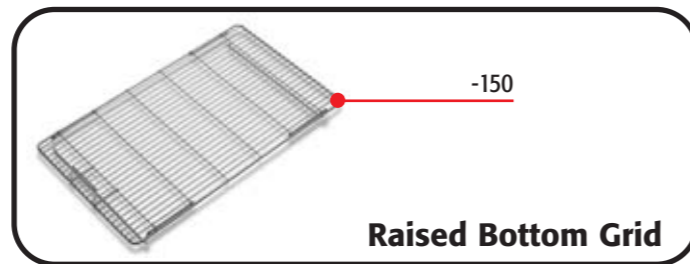
Sterilizable Polyester Filter Sheets are available as spare parts.

Animal Protection

- Proven microbial protection.
- Protection against pathogenic containments introduced by animal care takers.
- Better microenvironment inside the cage, due to reduced fluctuations in temperature and humidity, plus the elimination of draughts.
- Enhanced animal health, reduced infant mortality and respiratory problems.

Staff Protection

- Reduced air-borne contaminations in the working environment.
- Significant lowering of respiratory associated allergenic reactions among animal care staff.

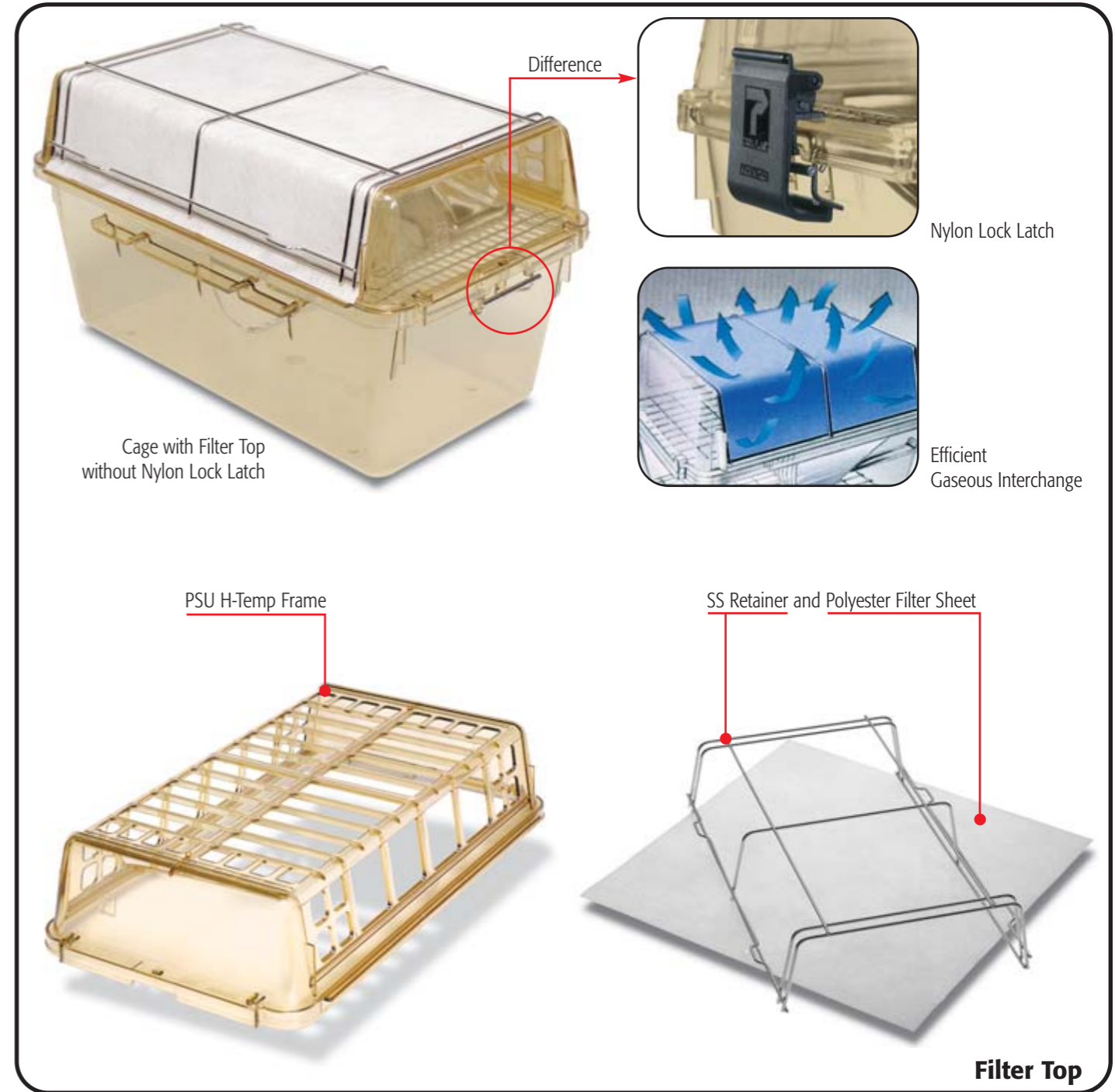


Raised Bottom Grid

Cage Body	Raised Bottom Grid
1144B	-150
1145T	-150
1264C	-150
1284L	-150
1290D	-150
1291H	-150
2150E	-150
2154F	-150
1500U	-150
1354G	-150



Plastic Bag



Cage with Filter Top without Nylon Lock Latch

PSU H-Temp Frame

SS Retainer and Polyester Filter Sheet

Filter Top

Filter Top and Replacement Filter Sheet

Cage Body	Autoclavable Filter Top	Autoclavable Filter Top with Nylon Lock Latches	Replacement Filter Sheet
1144B	-400SU	-400SUC	-420R
1145T	-400SU	-400SUC	-420R
1264C	-400SU	-400SUC	-420R
1284L	-400SU	-400SUC	-420R
1290D/1291H*	-400SU*	-400SUC*	-420R*
2150E	-400SU	-	-420R
2154F	-400SU	-	-420R
2000P	-400SU	-	-420R

*1291H to be ordered as 1290D -400SU/-400SUC/-420R

