CAGES, LIDS AND ACCESSORIES FOR SMALL RODENTS

[ZOON**LAB**]
READY FOR EXCELLENCE

PLASTIC CAGES

Plastic cages provide the best conditions for housing laboratory animals. Long-standing experience in terms of development and production, combined with the utilised materials as well as the design and handling properties, make our cages valuable and indispensable components in modern laboratory husbandry.

As far back as the 1960s, we produced polycarbonate (PC) cages. Polycarbonate is transparent, impact-proof and autoclavable to maximum 121°C.

As plastics were further developed, materials with even greater heat-resistance properties as well as those that were more physically and chemically resistant were added to the range.

- Polysulfone / PSU, autoclavable to max. 134°C
- Polyetherimide / PEI, autoclavable to max. 143°C
- Polyphenylsulfone / PPSU, autoclavable to max. 143°C

Further information is available in the brochure entitled "Cage treatment in animal husbandry" by the "AK KAB" Working Group: **www.tiz-bifo.de/download/publikationen/ak_kab/ak_kab.html**

Cage type 2L with water bottle, lid and accessories

Maximum number of animals per cage

According to EU Directive 2010/63/EU based on cage floor space, cage height and animal weight

Cage type Floor space Height	1 L 405 cm² 14 cm	2 360 cm² 14 cm	2 L 530 cm² 14 cm	HRC 500 502 cm² 12 cm	3 830 cm² 15 cm	3 H 800 cm² 18 cm	4 1,815 cm² 20 cm
Mice							
Up to 20 g	7	6	8	8	13	13	30
20 – 25 g	6	5	7	7	11	11	26
25 – 30 g	5	4	6	6	10	10	22
Over 30 g	4	3	5	5	8	8	18
Hamsters							
Up to 60 g	–	–	–	–	5	5	12
60 – 100 g	–	–	–	–	4	4	9
Over 100 g	–	–	–	–	3	3	7
Rats							
Up to 200 g	–	–	–	–	–	4	9
200 – 300 g	–	–	–	–	–	3	7
300 – 400 g	–	–	–	–	–	2	5
400 – 600 g	–	–	–	–	–	1	4
Over 600 g	–	–	–	–	–	1	3
Guinea pigs*							
Up to 200 g	–	–	–	–	–	–	9
200 – 300 g	–	–	–	–	–	–	5
300 – 450 g	–	–	–	–	–	–	4

*In connection with 50 mm raised DST 4/50 MS lid: For guinea pigs weighing more than 450 g, we recommend our MZK 80/25-L cage designed specifically for guinea pigs. Subject to technical modifications.

PLASTIC CAGES

M1L M2 HRC 500 M2L M3 M3H M4

Cage type	Dimensions in mm (L x W x H)	Floor space (cm²)	Polycarbonate PC (Makrolon no. 3108)	Polysulfone PSU
1 L	362 x 160 x 143	405	3010030	3010029
2	265 x 205 x 140	360	3010010	3010046
HRC 500	408 x 185 x 120	502	3010045	3010044
2 L	365 x 205 x 140	530	3010034	3010041
3	425 x 265 x 150	830	3010003	3010048
3 H	425 x 265 x 180	800	3010033	3010047
4	590 x 380 x 200	1,815	3010006	3010027

INSERT FLOOR
CAGE FLOOR

made of stainless steel (AISI 304)

Insert floor

for cage type	Description	Brief description	Order no.
1 L	EB 1 L/30	MW 10 x 30 mm, 20 mm high	5013040
2	EB 2/30	MW 10 x 30 mm, 20 mm high	5013042
2 L	EB 2 L/30	MW 10 x 30 mm, 20 mm high	5013056
HRC 500	EB-HRC	MW 10 x 30 mm, 20 mm high	5013061
3 / 3 H	EB 3/30	MW 10 x 30 mm, 20 mm high	5013043
4	EB 4/20	MW 10 x 20 mm, 20 mm high	5013044

Subject to technical modifications.

TROLLEY
FOR CAGES

Please consult the Transport Systems Chapter for further information

LIDS

MADE OF STAINLESS STEEL

ZOONLAB lids are made of stainless steel (AISI 304) and are electrolytically polished after processing. The type and shape of the feed rack is ground breaking. Thanks to the external frame wire, the cover provides excellent lateral stability when opening the cage and pushing back the cover. This significantly improves handling. The wire clearance of the lid is 7 mm.

The lids are available with a swing clip lock or frame clamp or as an internal lid for use with a filter top.

Furthermore, the feed racks can optionally be provided with a removable detachable divider or with integrated hinged divider.
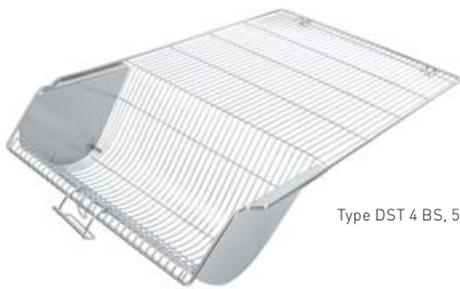
Type DST 4 BS, 5023414

Type DSP 3 BS, 5023613

Lid for cage type	Swing clip lock		Frame clamp	
	For detachable divider	With integrated divider	For detachable divider	With integrated divider
1 L	5023429	5023426	5023635	5023631
2	5023412	–	5023612	5023621
2L	5023442	–	5023616	–
HRC 500	–	5023118	–	–
3 + 3 H	5023413	–	5023613	–
3, 50 mm raised	5023107	5023112	5023109	–
4	5023414	–	5023614	–
4, 50 mm raised	5023105	–	–	–
4, for guinea pigs	5023106	–	–	–

DIVIDER

OPTIONALLY AVAILABLE, MADE OF STAINLESS STEEL

TB 2-BS divider

In order to divide the feed rack between the food and bottle.

for cage type	Brief description	Order no.
1 L	TB 1- BS	5023401
2 / 2 L	TB 2- BS	5023402
3 / 3 H	TB 3- BS	5023403
4	TB 4- BS	5023404

Subject to technical modifications.

INTERNAL LIDS
FOR CAGES EQUIPPED WITH A CONVENTIONAL FILTER TOP

Lids without a feed rack or with a feed rack for bottle on one side are available on request.
Please enquire separately.

Type 2 L / 5023448

Type 2 / 5023652

Lid for cage type	Without closure		Frame clamp	
	For detachable divider	With integrated divider	For detachable divider	With integrated divider
2	–	–	5023652	5023621
2 L	5023449	5023448	–	–
3 + 3 H	5023440	5023453	–	–

FILTER TOP

Filter tops give the animals added protection. They are made of polycarbonate (Makrolon 3108) and are equipped with an exchangeable filter pad. Please consult the cover for information on the internal lids to be used.

FIH 2-L-MB filter top

Type 2 L cage, complete with filter top

for cage type	Brief description	Polycarbonate PC	Polysulfone PSU	Replacement filter pad
2	FIH 2-MB	5010908	5010903	3010904
2 L	FIH 2-L-MB	5010912	5010904	3010913
3 / 3 H	FIH 3-MB	5010905	5010902	3010907

Subject to technical modifications.

WATER BOTTLES

WITH AND WITHOUT SILICONE SEALING RING

The F 30 and F 75 water bottles were manufactured for the first time 45 years ago and, despite remaining unchanged, are still supplied today in a superior quality. These shapes have influenced the entire market.

ZOONLAB water bottles are available with a silicone sealing ring and tapered neck. The water bottles are made of polycarbonate (=Makrolon), autoclavable to max. 121°C and of polysulfone, autoclavable to max. 134 °C.

| | FK50 | FK90 | F40 | F53 | F25 | F30Q | F75 |

Description / Volume in ml	Dimensions in mm (Ø x H / W x D x H)	Polycarbonate PC Order no.	Polysulfone PSU Order no.
Bottles with tapered neck			
FK50 / 500	84 Ø x 140	3125153	–
FK90 / 900	84 Ø x 220	3125155	–
Bottles with groove for silicone sealing ring			
F25 / 250	54 Ø x 145	3125014	3125029
F30Q / 300	53 x 53 x 150	3125027	3125028
F40 / 400	72 x 72 x 120	3125005	3125015
F53 / 475	70 x 70 x 130	3125011	3125017
F75 / 750	72 x 72 x 180	3125004	3125016

SILICONE SEALING RING

SDR 3 blue   SDR 1

The grooved or rubberised silicone sealing rings guarantee that the bottle complete with cap remains water-tight.

Brief description	Order no.
SDR 1, full rubber	3125101
SDR 3 blue, grooved	3125116

BOTTLE OPENER

Bottle opener Ö1

Our stainless steel bottle opener makes it easier for you to remove the cap from the water bottle.

Brief description	Order no.
Ö1, Bottle cap opener	5122001

Subject to technical modifications.

BOTTLE CAPS
MADE OF STAINLESS STEEL

The bottle caps are made of stainless steel (AISI 304) and electropolished. In order to remove the bottle caps, we recommend using our proven bottle opener.

Description	Brief description	Order no.
TVS	With extended tip, 0.8 mm hole	3125020
TR 25 / 1.8	25 mm tube, 1.8 mm hole	3125045
TR 40 / 1.8	40 mm tube, 1.8 mm hole	3125032
TK 40	40 mm tube with ball closure	3125042
TK 100	100 mm tube with ball closure	3125052
TGK 100	100 mm curved tube with ball closure	3125071
TGK 140	140 mm curved tube with ball closure	3125072

BOTTLE WASHING BASKETS
MADE OF STAINLESS STEEL, STACKABLE

ZOONLAB bottle washing baskets enable a more effective and easier cleaning of all conventional-sized water bottles. They are made of stainless steel, are electrolytically polished and autoclavable. All of the washing basket versions can be stacked on top of one another. The bottles are fixed into place via a detachable cover which also ensures that they remain secure during the cleaning process.
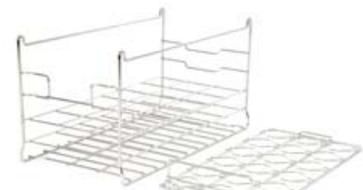
Type	Description	Dimensions (WxDxH)	Order no.
FSPÜ 25-30 / 250	Washing basket which holds 18 F 25 and/or F 30 type bottles	500 x 265 x 250	5122099
FSPÜ 40-75 / 250	Washing basket which holds 18 F 40, F 50, F 53 and/or F 75 type bottles	500 x 265 x 250	5122100
FSPÜ 25-30 / 270	Washing basket which holds 18 F 25 and/or F 30 type bottles	500 x 265 x 270	5122096
FSPÜ 40-75 / 270	Washing basket which holds 18 F 40, F 50, F 53 and/or F 75 type bottles	500 x 265 x 270	5122097
Options			
FSPÜ cover	Suitable for FSPÜ-25-30 and FSPÜ-40-75 type	495 x 240, Handle 70 mm high	5122098

For accessories	Number of accessories	Description	Dimensions in mm	Order no.
Bottle caps, with max. tube length of 50 mm	36 bzw. 61	SPÜ	475 x 475 x 120	5122052
Small parts		SPÜ-Zub-small	520 x 265 x 160	5122055
Small parts		SPÜ-Zub 2	475 x 475 x 160	5122018
Mouse shelter	20	SPÜ-Mshs	480 x 480 x 135	5122046
Type 2-L or Type 3 filter hoods	6	SPÜ-FiHa_045	530 x 525 x 425	5122042
Type 2-L or Type 3 filter levels	30	SPÜ-BeDe	530 x 525x 425	5122043

Subject to technical modifications.

ADDITIONAL ACCESSORIES

FEED CONTAINER FOR FLOUR

- To be hung in cages (in combination with lid equipped with single-sided feed rack)
- Made of stainless steel (AISI 304), autoclavable

Type	Capacity	Order no.
FUR 5	0.24 kg	5083705
FUR 2	0.14 kg	5083702

FUR 5   FUR 2

HOLE PUNCHES

- Made of stainless steel, autoclavable

Type	Description	Order no.
292-2	Hole for 2 mm Ø	3104605
293	With rotating disk for hole punching 1.5/2.0/2.5/3.0 mm Ø	3104606

3104605   3104606

EUTHANASIA COVER

Description	Order no.
Euthanasia cover for cages Type 2 L	5023304

CARD HOLDERS

S 7/H

S 7/H (PSU)

Type	Description	Dimensions in mm	Order no.
S 7	Landscape for DIN A7 cards, made of stainless steel	110 x 75	5104507
S 7/H	Portrait for DIN A7 cards, made of stainless steel	75 x 110	5104510
S 7-FIH	Landscape for DIN A7 cards, made of stainless steel, with wire hanger for filter tops	110 x 75	5104512
S 7/H-FIH	Portrait for DIN A7 cards, made of stainless steel, with wire hanger for filter tops	75 x 110	5104517
S 7-FIH-HRC	Landscape for DIN A7 cards, made of stainless steel, for Type HRC 500 filter top	110 x 75	5104529
S 7/H (PSU)	Portrait for DIN A7 cards, made of polysulfone, with Stainless steel (AISI 304) wire hanger	75 x 110	5104513S

DRINKING VALVES

TRV 4	TRV 6	TRV 7
Drinking valve for rabbits	Drinking valve for monkeys, dogs, sheep, pigs and other large animals	Drinking valve for dogs
made of stainless steel (AISI 304) 1/8˝ M connection Required water pressure: 2-5 PSI 0.14 - 0.35 bar	made of stainless steel (AISI 304) with 1.2˝ outer thread Adjustable water quantity Required water pressure: 10-30 PSI, 0.7-2.1 bar	Material: Chromium-plated aluminium, 3/4˝ connection F N.P.T., required water pressure 10-30 PSI, 0.7-2.1 bar, incl.: 1/2˝ reducer (pass nut), Material: Brass Direct connection to the water line
Order no.: 3123050	Order no.: 3123070	Order no.: 3123075

[ZOONLAB]
READY FOR EXCELLENCE

MOBILE RACKS

CAGES, RACKS FOR CONVENTIONAL HUSBANDRY

Take advantage of ZOONLAB's 50 years of experience in the manufacture of mobile racks for the storage of cages. Our selection and processing of section tubes, particularly with hairpin bracket design, all dirt traps and surfaces prone to dust accumulation will be avoided. Fitted with autoclavable castors with a diameter of 100 mm, 2 of them are equipped with a locking device, the racks can be positioned in any desired position. The racks are manufactured using premium stainless steel (AISI 304). The castor housing is also manufactured using stainless steel. We also offer autoclavable cover hoods as an optional extra for the racks.

RACKS WITH SWIVEL CASTORS

Rack for 30 type 2L cages, single-sided

Rack for 15 type 4 cages, single-sided

Rack for	Number of levels	Single-sided/double-sided	Dimensions (W x D x H) in mm	Order no.
Type 1 cage, long version – hairpin consoles				
42 type 1L cages	6 levels, each containing 7 cages	Single-sided	1,450 x 510 x 1,800	5033801
49 type 1L cages	7 levels, each containing 7 cages	Single-sided	1,450 x 510 x 1,800	5033800
84 type 1L cages	6 levels, each containing 14 cages	Double-sided	1,450 x 800 x 1,800	5033803
98 type 1 L cages	7 levels, each containing 14 cages	Double-sided	1,450 x 800 x 1,800	5033802
Type 2 cage – hairpin consoles				
30 type 2 cages	6 levels, each containing 5 cages	Single-sided	1,285 x 510 x 1,800	5033806
35 type 2 cages	7 levels, each containing 5 cages	Single-sided	1,285 x 510 x 1,800	5033807
60 type 2 cages	6 levels, each containing 10 cages	Double-sided	1,285 x 800 x 1,800	5033804
70 type 2 cages	7 levels, each containing 10 cages	Double-sided	1,285 x 800 x 1,800	5033805
Type 2 cage, long version – hairpin consoles				
30 type 2 L cages	6 levels, each containing 5 cages	Single-sided	1,285 x 510 x 1,800	5033810
35 type 2 L cages	7 levels, each containing 5 cages	Single-sided	1,285 x 510 x 1,800	5033811
60 type 2 L cages	6 levels, each containing 10 cages	Double-sided	1,285 x 800 x 1,800	5033809
70 type 2 L cages	7 levels, each containing 10 cages	Double-sided	1,285 x 800 x 1,800	5033808
Type 3 cage – hairpin consoles				
24 type 3 cages	6 levels, each containing 4 cages	Single-sided	1,285 x 510 x 1,800	5033814
28 type 3 cages	7 levels, each containing 4 cages	Single-sided	1,285 x 510 x 1,800	5033815
48 type 3 cages	6 levels, each containing 8 cages	Double-sided	1,285 x 800 x 1,800	5033813
56 type 3 cages	7 levels, each containing 8 cages	Double-sided	1,285 x 800 x 1,800	5033812
Type 3 H cage – hairpin consoles				
24 type 3 H cages	6 levels, each containing 4 cages	Single-sided	1,285 x 510 x 1,800	5033817
48 type 3 H cages	6 levels, each containing 8 cages	Double-sided	1,285 x 800 x 1,800	5033816
Type 4 cage – angle steel structure				
15 type 4 cages*	5 levels, each containing 3 cages	Single-sided	1,340 x 650 x 1,800	5033818
18 type 4 cages	6 levels, each containing 3 cages	Single-sided	1,340 x 650 x 1,800	5033819
20 type 4 cages*	5 levels, each containing 4 cages	Single-sided	1,760 x 650 x 1,800	5033820
24 type 4 cages	6 levels, each containing 4 cages	Single-sided	1,760 x 650 x 1,800	5033821

*also suitable for elevated lids
Subject to technical modifications.

TYPE 4 RACK WITH GRIP

Type 4 rack with 12 cages

Type	Description	Dimensions (W x D x H) in mm	Order no.
Type 4 rack	for 12 type 4 cages on 4 levels, made of stainless steel (AISI 304), manufactured in a welded design, stained and passivated in a full bath, equipped with 4 castors with a diameter of 100 mm complete with bolt hole, 2 of them are equipped with locking device, autoclavable. Clearance between the lower edge of the cage and the floor: 305 mm	1,224 x 654 x 1,797	5033585
Option			
Type 4 lid	complete with opening in order to insert a feed container, complete with a water bottle holder, made of stainless steel (AISI 304), electropolished		5023305
Feed container	for approx. 1.4kg of pellets		5083737

LECTERN
MADE OF STAINLESS STEEL, AUTOCLAVABLE

Type	Dimensions (W x D x H) in mm	Order no.
Base frame with document compartment	650 x 470 x 1,100	5115026
Options in combination with the base frame		
Printer compartment	591 x 447 x 300	5115027
Drawer	531 x 295 x 150	5115028
Extendable keyboard rack	531 x 300 x 20	5115029
Inclined rest for 12° inclination, applied loosely to the lectern	606 x 449 x 139	5115024

Subject to technical modifications.

VARIABLE RACK GV

In addition to the traditional rack types, ZOONLAB also supplies a variable rack which allows the accommodation of any desired cage type.

It is characterised by 6 extremely sturdy levels produced from grid elements (the grid bars run in the sliding direction of the cage) which are also infinitely heightadjustable as required.

The entire rack is made of stainless steel (AISI 304).

4 swivel castors with a diameter of 100 mm, 2 of them equipped with locking device. The castor housing is made of stainless steel and the castors are also autoclavable.

OPTION: Holder for feeding bowls
Further options available on request

Cage type	Capacity per level	Dimensions in mm (L x D x H)	Order no.
1 L	6		
2	5		
2	10*		
HRC 500	6	1,230 x 550 x 1,780	5033520
2 L	5		
3 / 3H	4		
4	3		
Option			
GV-holder for feeding bowls			5063398

* when placed on both sides

Subject to technical modifications.

[ZOONLAB]
READY FOR EXCELLENCE

GUINEA PIG CAGES

INDIVIDUAL CAGES FOR GUINEA PIGS

The individual ZOONLAB cages for guinea pigs provide ideal conditions for animal husbandry in terms of size and shape and are also easy to use.

Depending on the material selected, the cage trays are heat-resistant up to max. 90°C or max. 120°C.

[ZOONLAB]
READY FOR EXCELLENCE

GUINEA PIG CAGES

INDIVIDUAL CAGES FOR GUINEA PIGS

The guinea pig cages are accommodated on mobile racks with autoclavable castors, two of them are equipped with locking device.
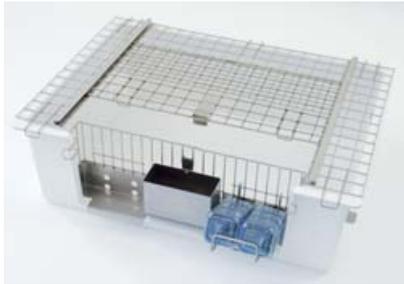
MZK 80/25L with complete cover lid

Guinea pig house

MZK 80/25L with raised cover lid for mouse and rat housing

Type	Material	Dimensions (W x D x H) in mm	Order no.
MZK80/25-L guinea pig cage	LURAN, heatresistant to max. 90 °C	810 x 610 x 260	3045320
Front grid, MZK-V	Stainless steel (AISI 304)	–	5043901
Cover lid with sliding opening, MZK-A	Stainless steel (AISI 304)	–	5043902
Feed container, FUMZK	Stainless steel (AISI 304)	–	5083724
Bottle holder for 2 bottles, 750 ml, FH 75/2	Stainless steel (AISI 304)	–	5121003
Water bottle, 750 ml, with groove, F 75	Polycarbonate	72 x 72 x 180	3125004
Silicone sealing ring, SDR 1	Silicone	–	3125101
Bottle cap incl. 40 mm tube with ball closure, TK-40	Stainless steel (AISI 304)	–	3125042
Rack for 4 cages, GM 4	Stainless steel (AISI 304)	905 x 670 x 1,650	5053103
Rack for 5 cages, GM 5	Stainless steel (AISI 304)	905 x 670 x 1,940	5053101
Rack for 8 cages (2 cages per level), GM/8	Stainless steel (AISI 304)	1,760 x 745 x 1,650	5053106
Rack for 10 cages (2 cages per level), GM/10	Stainless steel (AISI 304)	1,760 x 745 x 1,940	5053102
Options for guinea pig cages			
Guinea pig cages MZK80/25-N	NORYL, heatresistant to max. 120 °C	810 x 610 x 260	3045321
Cover lid with sliding opening,100 mm raised, habitat height 350 mm	Stainless steel (AISI 304)	–	5043904
Water bottle, 750 ml, with groove, F 75 PSU	Polysulfone	72 x 72 x 180	3125016
Wire grid for cage floor, mesh gap approx. 10 x 30 mm, MZK-EB	Stainless steel (AISI 304)	–	5013080
Guinea pig house, autoclavable, stackable, non-toxic	Polycarbonate	205 x 157 x 115	3084051
Automatic nipple drinking device, AT-80/25	Stainless steel (AISI 304)	–	5054040
Nipple hole (circular hole, 40 mm), required on each cage for automatic nipple drinking device	Stainless steel (AISI 304)	40 mm Ø	2351001
Option for mouse and rat housing			
Cover lid with sliding opening, 100 mm raised	Stainless steel (AISI 304)		5043905
Water bottle, 250 ml, with groove, F 25	Polycarbonate	54 Ø x 145	3125014

Subject to technical modifications.

ZOONLAB
READY FOR EXCELLENCE

RABBIT CAGES
INDIVIDUAL CAGES FOR RABBITS

The individual ZOONLAB cages for rabbits provide ideal conditions for animal husbandry in terms of size and shape and are also easy to use.

Depending on the material selected, the cage trays are heat-resistant up to max. 90°C or max. 120°C.

RABBIT CAGES

INDIVIDUAL CAGES FOR RABBITS

The ZOONLAB rabbit cages have been designed in accordance with the 2010/63/EU Directive of the European Parliament 22.09.2010 (formerly ETS 123).

They combine:
- A high level of flexibility through the interlockable racks that enable the floor space to be increased to twice the size or even more when the partition walls are removed (without the need for tools).
- The cage trays with a height of 10 cm as well as the animal dropping trays are available in the LURAN (heat-resistant up to max. 90°C) as well as in the autoclavable NORYL (heat-resistant up to max. 120°C) designs.
- The raised resting area (available in LURAN and NORYL designs) can be folded up which enables the cage tray to be removed easily without having to first remove the resting area.
- All metal parts are made of stainless steel (AISI 304).

- The rack castors have a diameter of 100 mm and two of them on each rack are equipped with locking device.
- The racks can optionally be equipped with an automatic nipple drinking device.

Racks and accessories for rabbits weighing up to 3 kg/habitat height of 50 cm or up to 5 kg/habitat height of 60 cm, floor space 4,200 cm².

Type	Material	Dimensions (W x D x H) in mm	Order no,
Rack GK42-100/50-3, 3 levels each containing 1 cage, 50 cm high incl. 3 grid doors	Stainless steel (AISI 304)	800 x 780 x 1,890	5053164
Rack GK42-100/60-2, 2 levels each containing 1 cage, 60 cm high incl. 2 grid doors	Stainless steel (AISI 304)	800 x 780 x 1,790	5053166
Rabbit cage K42/100-L	LURAN	730 x 730 x 100	3045338
Feed container, approx. 1,25 litres, FUKA	Stainless steel (AISI 304)	W = 125 mm	5083721
Bottle holder for 1 bottle 750 ml, FH 75/100-1	Stainless steel (AISI 304)	72 x 72 x 182	5121005
Water bottle, 750ml, with groove, F 75	Polycarbonate	72 x 72 x 180	3125004
Silicone sealing ring, SDR 1	Silicone	–	3125101
Bottle cap incl. 40 mm tube with ball closure, TK-40	Stainless steel (AISI 304)	–	3125042
Animal dropping tray, KK 4200-L	LURAN	750 x 730 x 40	3094229
Partition wall, non-transparent for 3-level rack, 42-50-T	TRESPA	755 x 430	4043762
Partition wall, non-transparent for 2-level rack, 42-60-T	TRESPA	755 x 530	4043758
Options for rabbit cages			
Raised resting area	NORYL	1,650 cm²	5044930S
Raised resting area	LURAN	1,650 cm²	5044931S
Rabbit cage K 42/100-N	NORYL	730 x 730 x 100	3045339
Water bottle, 750 ml, with groove, F 75 PSU	Polysulfone	72 x 72 x 180	3125016
Animal dropping tray, KK 4200-N	NORYL	750 x 730 x 40	3094230
Partition wall, transparent for 3-level rack, 42-50-P	Polycarbonate	755 x 430	on request
Partition wall, transparent for 2-level rack, 42-60-P	Polycarbonate	755 x 530	4043759
Automatic nipple drinking device for 3-level rack, AT 42/3	Stainless steel (AISI 304)	–	5054060
Automatic nipple drinking device for 2-level rack, AT 42/2	Stainless steel (AISI 304)	–	5054061

Subject to technical modifications.

RABBIT CAGES

INDIVIDUAL CAGES FOR RABBITS

GK54/2-60 – two interlocked cage racks

Cage racks and accessories for rabbits over 5 kg/habitat height of 60 cm, floor space 5,400 cm²

Type	Material	Dimensions (W x D x H) in mm	Order no.
Rack GK 54/2-60, 2 levels each containing 1 cage, 60 cm high incl. 2 grid doors	Stainless steel (AISI 304)	940 x 860 x 1,775	5053144
Rack GK 54/3-60, 3 levels each containing 1 cage, 60 cm high incl. 3 grid doors, top level can be removed	Stainless steel (AISI 304)	940 x 860 x 2,300	5053149
Rabbit cage K5400-N	NORYL	855 x 775 x 100	3045434
Feed container, approx. 1.25 litres, FUKA	Stainless steel (AISI 304)	W = 125 mm	5083721
Bottle holder for 1 bottle 750 ml, FH 75/100-1	Stainless steel (AISI 304)	–	5121005
Water bottle, 750 ml, with groove, F 75	Polycarbonate	72 x 72 x 180	3125004
Silicone sealing ring, SDR 1	Silicone	–	3125101
Bottle cap incl. 40 mm tube with ball closure, TK-40	Stainless steel (AISI 304)	–	3125042
Animal dropping tray, KK 5400-N	NORYL	855 x 775 x 40	3094228
Partition wall, non-transparent, 54-60-T	TRESPA	820 x 540	4043752
Options for rabbit cages			
Raised resting area	NORYL	1,945 cm²	5044932S
Water bottle, 750 ml, with groove, F 75 PSU	Polysulfone	72 x 72 x 180	3125016
Partition wall, transparent, 54-60-P	Polycarbonate	820 x 540	4043753
Hay rack	Stainless steel (AISI 304)	–	5083789
Automatic nipple drinking device, AT 54/2	Stainless steel (AISI 304)	–	5054056

Subject to technical modifications.

RABBIT CAGES

INDIVIDUAL CAGES FOR RABBITS

As an expansion to our rabbit cage range, the rack offers you ideal handling when it comes to storage / cleaning or the transport of resting areas. The lightness and manoeuvrability of the rack meets all of the ergonomic requirements. The rack is made of stainless steel (AISI 304), is glass-bead blasted with autoclavable castors, two of them are equipped with locking device.

Type	Material	Dimensions (W x D x H) in mm	Order no.
Rack for the cleaning / storage and transportation of raised resting areas.	Stainless steel (AISI 304)	742 x 512 x 1,780	5033561

Subject to technical modifications.

ZOONLAB
READY FOR EXCELLENCE

IVC RACKS AND CAGES

FOR AIR FLOW SYSTEMS TYPE VENT LT

ZOONLAB BIO. A.S.® IVC systems ensure high biological safety, easy and ergonomic handling and conformity with the 2010/63/EU Directive of the European Parliament.

[ZOONLAB]
READY FOR EXCELLENCE
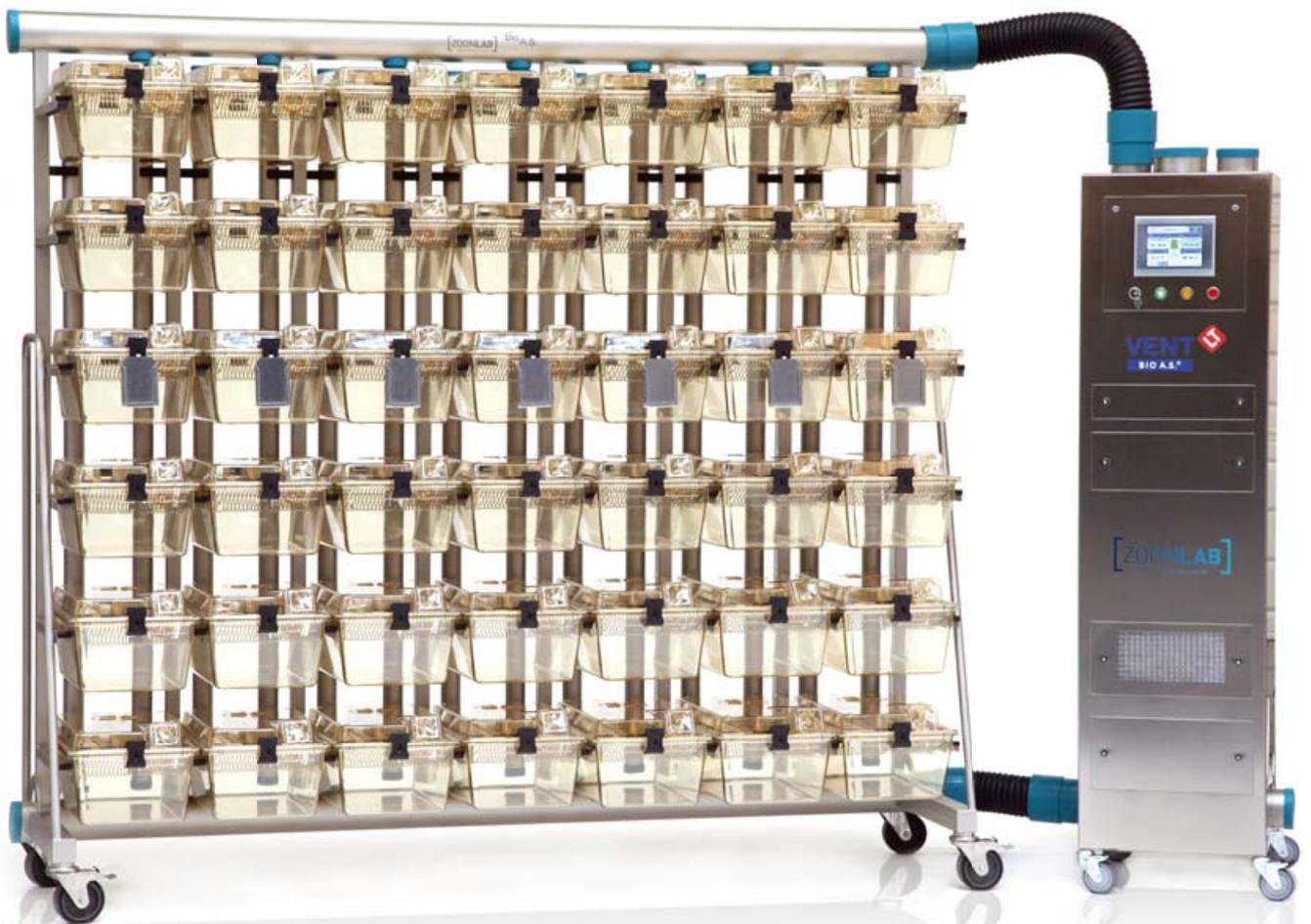
VENT LT BIO. A.S.® IVC CAGE RACKS

FOR AIR FLOW SYSTEMS

The rack only needs to be cleaned every 12 to 16 months in the event of typical use.

Vent LT BIO. A.S.® racks for IVC cages are made of stainless steel (AISI 304) and characterized by high quality and ergonomic handling. The IVC cages offer high adaptability and a wide variety of options to optimally suit your needs.

Vent LT BIO. A.S.® IVC cage rack

Separate supply and exhaust air connection for each cage, round pipes for improved air circulation and simplified cleaning.

Cage type	Cage capacity	Rack	Distribution	Dimensions in mm (W x H x D)	Order no.
1 L	56	Single-sided	8 levels x 7 cages	1,376 x 1,950 x 540	5144269
1 L	64	Single-sided	8 levels x 8 cages	1,554 x 1,950 x 540	5144269-1
1 L	72	Single-sided	8 levels x 9 cages	1,732 x 1,950 x 540	5144269-2
1 L	80	Single-sided	8 levels x 10 cages	1,910 x 1,950 x 540	5144269-6
1 L	112	Double-sided	8 levels x 7 cages	1,376 x 1,950 x 840	5144269-3
1 L	128	Double-sided	8 levels x 8 cages	1,554 x 1,950 x 840	5144269-4
1 L	144	Double-sided	8 levels x 9 cages	1,732 x 1,950 x 840	5144269-5
1 L	160	Double-sided	8 levels x 10 cages	1,910 x 1,950 x 840	5144269-7
HRC 500	70	Single-sided	10 levels x 7 cages	1,480 x 1,996 x 545	5144352-3
HRC 500	80	Single-sided	10 levels x 8 cages	1,693 x 1,996 x 545	5144353-3
HRC 500	140	Double-sided	10 levels x 7 cages	1,480 x 1,996 x 895	5144356-3
HRC 500	160	Double-sided	10 levels x 8 cages	1,693 x 1,996 x 895	5144357-3
2 L	48	Single-sided	8 levels x 6 cages	1,450 x 1,950 x 540	5144264
2 L	56	Single-sided	8 levels x 7 cages	1,670 x 1,950 x 540	5144263
2 L	64	Single-sided	8 levels x 8 cages	1,890 x 1,950 x 540	5144265
2 L	96	Double-sided	8 levels x 6 cages	1,450 x 1,950 x 840	5144266
2 L	112	Double-sided	8 levels x 7 cages	1,670 x 1,950 x 840	5144267
2 L	128	Double-sided	8 levels x 8 cages	1,890 x 1,950 x 840	5144268
3 (H)	20	Single-sided	5 levels x 4 cages	1,250 x 1,950 x 600	5144271
3 (H)	24	Single-sided	6 levels x 4 cages	1,250 x 1,950 x 600	5144272
3 (H)	30	Single-sided	6 levels x 5 cages	1,530 x 1,950 x 600	5144273
3 (H)	36	Single-sided	6 levels x 6 cages	1,810 x 1,950 x 600	5144274
3 (H)	42	Single-sided	6 levels x 7 cages	2,090 x 1,950 x 600	5144275
3 (H)	48	Double-sided	6 levels x 4 cages	1,250 x 1,950 x 970	5144276
3 (H)	60	Double-sided	6 levels x 5 cages	1,530 x 1,950 x 970	5144277
3 (H)	72	Double-sided	6 levels x 6 cages	1,810 x 1,950 x 970	5144278

Subject to technical modifications.

IVC CAGES

FOR AIR FLOW SYSTEMS

ZOONLAB IVC cages offer a range of versions as well as a wide variety of options to optimally suit your needs. The entire cages made of polycarbonate are autoclavable up to max. 121°C and those manufactured using polysulfone are autoclavable up to max. 134°C.

Complete IVC 2 L type cage incl. cage, stainless steel lid, filter level, filter top incl. CO_2 membrane and water bottle

Stainless steel lid with hinged divider for 2 L type cage

Filter top with CO_2 membrane and securing clips for 2 L type cage

Filter level consisting of ventilation cover, holding frame and filter pad for 2 L type filter top

Cage type	Description	Dimensions in mm (WxDxH)
1 L	Cages and filter tops available in polycarbonate and polysulfone, filter levels only available in polysulfone	362 x 160 x 143mm Cage floor size: 405cm²
HRC 500	Cages and filter tops available in polycarbonate and polysulfone, filter levels only available in polysulfone	408 x 185 x 120mm Cage floor size: 502cm²
2 L	Cages and filter tops available in polycarbonate and polysulfone, filter levels only available in polysulfone	365 x 205 x 140mm Cage floor size: 530cm²
3	Cages and filter tops available in polycarbonate and polysulfone, filter levels only available in polysulfone	425 x 265 x 150mm Cage floor size: 830cm²
3 H	Cages and filter tops available in polycarbonate and polysulfone, filter levels only available in polysulfone	425 x 265 x 180mm Cage floor size: 800cm²

IVC CAGES

FOR AIR FLOW SYSTEMS

Please find the options for the various cage sizes including the respective order numbers below. Please note that some of the articles are available in polycarbonate (PC) and polysulfone (PSU). The stainless steel that we use is rust-free (AISI 304).

Order numbers				
Cages	**1 L**	**HRC 500**	**2 L**	**3 / 3 H**
Cage, standard	PC 3010030 PSU 3010029	PC 3010045 PSU 3010044	PC 3010034 PSU 3010041	PC 3010003 PSU 3010048
Cage, elevated (only for 3 H type)				PC 3010033 PSU 3010047
Lids				
Stainless steel lid with divided feed container	5023500	5023497-2	5023427	5023428
Stainless steel lid with hinged divider			5023481-2	5023483
Filter tops				
Bio.A.S.® filter top, closed, with securing clamps for external water bottles	PC 5010920S PSU 5010921S		PC 5010917S PSU 5010918S	PC 5010907S PSU 5010919S
Bio.A.S.® filter top, closed, with locking clips for external water bottles		PSU 5010931-3S	PC 5010938S PSU 5010939S	
Bio. A.S.® filter top with CO2 membrane, securing clamps for external water bottles	PSU 5010927S		PSU 5010924S	PSU 5010925S
Bio. A.S.® filter top with CO2 membrane, locking clips for external water bottles		PSU 5010933-3S	PC 5010911-1S PSU 5010911S	
Filter levels				
Filter level consisting of cover, frame, pad	PSU 5010940	PSU 2401204-3	PSU 5010941	PSU 5010942
Bottles and accessories				
Water bottle F 25, 250 ml, round	PC 3125014 PSU 3125029	PC 3125014 PSU 3125029	PC 3125014 PSU 3125029	PC 3125014 PSU 3125029
Water bottle F 30, 300 ml, square	PC 3125027 PSU 3125028	PC 3125027 PSU 3125028	PC 3125027 PSU 3125028	PC 3125027 PSU 3125028
Water bottle F 40, 400 ml, square (only compatible with type 3 silicone sealing ring)			PC 3125005 PSU 3125015	PC 3125005 PSU 3125015
Water bottle F 53, 475 ml, square				PC 3125011 PSU 3125017
Bottle cap, stainless steel, 40 mm tube with 1.8 mm hole	3125032		3125032	3125032
Bottle cap, stainless steel, 50 mm tube with 2.2 mm hole		3125054		
Silicone sealing ring type 1, full rubber, smooth	3125101	3125101	3125101	3125101
Silicone sealing ring type 3, full rubber, ribbed	3125116	3125116	3125116	3125116
Miscellaneous				
DIN A7 card holder, landscape, stainless steel (only for clamps)	5104512		5104512	5104512
DIN A7 card holder, portrait, stainless steel (only for clamps)	3104514		3104514	3104514
DIN A7 card holder, portrait, PSU (only for clamps)	5104513		5104513	5104513
DIN A7 card holder, landscape, PSU (only for clamps)			3104513	
DIN A7 card holder, for filter top HRC, stainless steel		5104529		

Subject to technical modifications.

VENT LT BIO.A.S.® BLOWER UNIT
AIR FLOW SYSTEMS

Reliable, safe and easy to use for air supply at the highest level of pressure control technology in rugged design with lateral connection.

VENT LT BIO.A.S.®
BLOWER UNIT

With its pressure-controlled system and integrated touch panel, the Vent LT Blower Unit represents reliability and simple operation. In addition to the constant monitoring and regulation of the set parameters such as air change rate, volume flow and pressure ratios, the system also boasts the following functions:

- Temperature monitoring with adjustable upper and lower alarm limits
- Air humidity monitoring with adjustable upper and lower alarm limits
- Monitoring of the supply and exhaust air filters
- Connections for the filter integrity test (DEHS)
- Low-contamination filter change, practical positioning of the filters on the front of the device
- Plug connection for external function (e.g. GLT)
- Interface for visualisation, recording and monitoring
- Operating hour counter / display of total runtime
- Operating hour counter / with information for filter change
- Operating hour counter / with information for the next service
- Connections for gassing with H2O2
- Airflow with large volume for ideal and homogeneous distribution of the air

VENT LT BIO.A.S.® Blower unit

Pullout for preliminary filter

Pullout for main filter

Touch panel

Capacity with rack connection: 340 Type 1L cages or 250 Type 2L cages or 170 Type 3 cages

Electrical connection	230V/50 HZ
Electrical output	0.08-0.22 kW, average value of 0.15 kW/EC motors
Heat dissipation	0.04 kW
Preliminary filter	G4 according to EN779
Main filter	HEPA H14 according to EN1822
Dimensions (W x H x D) in mm	400 x 1,650 x 534 mm
Weight	88 kg
Order no.	5144207

Subject to technical modifications.

ZOONLAB GmbH
Hermannstraße 6
44579 Castrop-Rauxel
T: +49 (0) 23 05-9 73 04 - 0
F: +49 (0) 23 05-9 73 04 - 44
E: info@zoonlab.de
www.zoonlab.de

UNIPROTECT NG FOR KEEPING LABORATORY ANIMALS UNDER CLIMATE-CONTROLLED CONDITIONS

AIR FLOW CABINET WITH PRESSURE AND HUMIDITY REGULATION AND INTUITIVE OPERATING MENU

YOUR BENEFITS AT A GLANCE

- Active pressure regulation to maintain the hygiene barrier and protect both rodents and the laboratory environment
- Fully integrated humidifier module to create ideal climate conditions
- LED lighting system with red acrylic glass doors and daily / weekly timer, including automated sunrise and sunset for the natural biorhythms of the lab animals
- Barrier-free access to the holding space for comfortable handling
- Configurable alarms and notifications with forwarding to the building control system
- Conformant with Directive 2010/63/EU1 and the recommendations of the German Society for Laboratory Animal Science (GV Solas) for keeping test animals

1) Directive 2010/63/EU of the European Parliament and of the Council of 22. September 2010 on the protection of animals used for scientific purposes

[ZOONLAB]
READY FOR EXCELLENCE

STANDARD PRODUCT FEATURES

- 7″ TFT colour touch panel with integrated controls **NEW**
- Intuitive menu navigation **NEW**
- Operating hours counter and setpoint and actual value display integrated into the Human Machine Interface (HMI)
- Disinfection program (integrated in the HMI) **NEW**
- Operating parameter trend display (integrated in the HMI) **NEW**
- Monitoring and alarm system (integrated in the HMI)
- Separate usage time monitoring for supply and exhaust air filters **NEW**
- USB interface for connecting storage media **NEW**
- Barrier-free access to cage room **NEW**
- Two doors with red acrylic panes
- H 14 HEPA filter system tested for DIN EN 1822 and DEHS conformity
- Supply and exhaust air with filter monitoring and DEHS measurement device
- Contamination-free filter changing
- Automated control of chamber pressure with setpoint configuration
- Overpressure and low-pressure operation; change operating mode by entering the desired differential pressure (input in Pascal/Pa)
- Lighting in white and red with lighting change control via daily or weekly timer (integrated in the HMI)
- Exhaust ports connect direct to the building exhaust air system
- Heating with automated chamber temperature control
- Homogeneous air distribution on all cabinet levels
- Outer housing of stainless steel / 1.4301, powder-coated
- Utility space of stainless steel / 1.4301, easy to clean and disinfect
- Four steering rollers for moving, with locking front rollers
- Extra adjustable stands for greater stability
- Four utility areas: Floor area and three shelves of stainless steel / 1.4301, height-adjustable and removable

OPTIONAL COMPONENTS AND FUNCTIONS

- Network-integratable, controllable via LAN
- GLP-/GMP-compliant recorder for tamper-proof data gathering
- Humidity control for ideal climatic conditions
- Activated carbon filter replaceable with no tools required
- Under-cabinet area in raised design
- Additional fourth insertable shelf and ESG glass panes
- Maintenance and service contract

[ZOONLAB]
READY FOR EXCELLENCE

O | ON | Info | Alarm

On the touch screen display:

Service — S-No: 05021 — 07.18.17 10:12.59 am

Pressure	Humidity	Temperature	Air change
51	61	28	21
Pa	%r.H.	°C	1/h
(50 +/- 5)Pa	(60 +/- 10)%r...	(28.0 +/- 3) °C	(21 +/- 10) 1/h

MODERN, USER-FRIENDLY INTERFACE

- High-resolution 7.0˝ colour touch panel with integrated microprocessor
- Sensitive user touch surface and intuitive menu guidance for quick and easy operation
- Well-organised reporting of operating hours and other indicators
- USB interface for documenting recorded operating parameters
- New security feature: Password-protected settings for flexible user administration

Animal keeping cabinets are frequently utilised by laboratories that conduct animal testing. These cabinets complement established animal housing systems in an SPF (specific pathogen-free) environment that is hygienically strictly controlled, for breeding lines and rare species that have to be kept under special climatic conditions or deviating lighting cycles. Air flow cabinets are thus particularly suitable for use in experimental, laboratory and quarantine applications. The new UniProtect NG represents the next generation of air flow cabinets, developed by ZOONLAB precisely for these needs.

UNIPROTECT NG: FOR THE PROTECTION AND WELL-BEING OF LABORATORY ANIMALS

Animal housing systems conformant with guidelines and animal protection laws have to fulfil stringent requirements, and that is what UniProtect NG does: A fully integrated humidity module (optional) in combination with precise temperature control affords optimal climatic conditions for keeping rodents and small test animals. The air flow cabinet is equipped with an innovative lighting system based on modern LED technology for maintaining natural biorhythms. The system allows continuous adjustment of light intensity and programming of day-night cycles with fade-in/fade-out function. Enhanced soundproofing reduces the sound level in the interior to less than 55 dB(A).

The protection of humans and of the environment, in addition to the well-being of the animal, are additional development focuses for this product. Active pressure control reduces the risk of contamination in case of overpressure or low-pressure operation through constant adjustment of differential pressure. The filter system installed in the in-duct and out-duct with pre- and main filter (HEPA filter H14) ensures efficient reduction of pathogenic and allergenic particles in room air. Pressure control, filter system and continuous monitoring of basic parameters guarantee a high level of operational safety, rounded out by individually configurable error reporting technology that can be integrated into building control systems.

INNOVATIONS FOR A PROVEN TECHNOLOGY

Sometimes many little upgrades add up to a substantial improvement of routine daily operations. In the new NG series for example, the middle door stop was replaced with mutually closing doors. In addition to the improved visibility, accessing the cabinet interior has been made easier and usability of the utility space has been increased. All operating parameters can be quickly and easily entered via a modern, 7˝ colour touch panel. Additionally, users can access the UniProtect NG controls from outside the animal room. After integration into the in-house network, the included software can be used to perform the full range of functions for external monitoring and convenient air flow cabinet control. Tool-free, low-contamination filter changing is possible without stopping operation. The stainless steel interior surfaces are easy to clean and disinfect. These and other adaptations make for easier handling in day-to-day laboratory practice.

AIR FLOW CABINETS COMPARED: ZOONLAB VS. COMPETITORS
STANDARD AND UNIQUE FEATURES

Manufacturer	ZOONLAB	Competitors
Product name	**UniProtect NG (Size M)**	**Air flow cabinet**
Overpressure & low-pressure operation	✓	✓
Two energy-saving fans for air supply and exhaust	✓	Ø[1]
HMI touch panel with detailed operational display	✓	Ø[2]
Humidity control	✓	Ø[2]
Active pressure regulation	✓	–
Barrier-free access to the interior	✓	–
Function monitoring with alarm notifications	✓	–
Low-contamination filter changing (bag-in-bag system)	✓	–

[1] Featured in some competitor products; [2] Only possible via external humidity modules

CONCLUSION

Decades of experience and "Made in Germany" product quality are why ZOONLAB is a leading manufacturer of complete systems for scientific lab animal housing.

UniProtect NG is a 100% operationally reliable, user-friendly and hygienic solution for proper housing of lab animals for biomedical research in keeping with the 3R-principle.

[ZOONLAB]
READY FOR EXCELLENCE

NOW AVAILABLE
IN SIZES S, M AND L

UniProtect NG (S)	Capacity (n)	Interior dimensions (W x D x H / volume) (mm) / (l)	Exterior dimensions (W x D x H) (mm)	Order no.
3 levels, height-adjustable (32-mm adjustment grid); removable plus bottom space	32 Type 2	947 x 670 x 1.250 mm 850 l	1.050 x 798 x 1.808 mm	5144430
	16 Type 2 L			
	12 Type 3			
	8 Type 4			
	4 GPBC[1]			
Options				
Humidifier module	–	–	1.243 x 798 x 1.808 mm	3144071
Activated carbon filter	–	–	1.050 x 798 x 2.110 mm	3144070

UniProtect NG (M)	Capacity (n)	Interior dimensions (W x D x H / volume) (mm) / (l)	Exterior dimensions (W x D x H) (mm)	Order no.
3 levels, height-adjustable (32-mm adjustment grid); removable plus bottom space	48 Type 2	1.450 x 675 x 1.250 mm 1.210 l	1.550 x 798 x 1.808 mm	5144440
	24 Type 2 L			
	20 Type 3			
	12 Type 4			
	4 GPBC[1]			
Options				
Humidifier module	–	–	1.743 x 798 x 1.808 mm	3144071
Activated carbon filter	–	–	1.550 x 798 x 2.112 mm	3144070

UniProtect NG (L)	Capacity (n)	Interior dimensions (W x D x H / volume) (mm) / (l)	Exterior dimensions (W x D x H) (mm)	Order no.
3 levels, height-adjustable (32-mm adjustment grid); removable plus bottom space	64 Type 2	1.860 x 670 x 1.250 mm 1.570 l	1.960 x 798 x 1.808 mm	5144450
	32 Type 2 L			
	24 Type 3			
	16 Type 4			
	8 GPBC[1]			
Options				
Humidifier module	–	–	2.150 x 798 x 1.808 mm	3144071
Activated carbon filter	–	–	1.960 x 798 x 2.110 mm	3144070

[1] GPBC: Guinea pig breeding cage (dimensions: 810 x 260 x 610 mm) | technical changes reserved.

CHANGESTATION
Dual-sided animal transfer station

NEW

With quiet operation and full night mode control, SychemCHANGE minimises the impact on the animal's sleep cycle as well as keeping stress levels at a minimum. Height adjusting legs allow the SychemCHANGE unit to be moved to a comfortable operating height for all users.

Night mode is a user-set feature that automatically sets the LED lighting to red and changes the touchscreen interface to a red graphical overlay at a specified time. This allows the machine to be operated during the animal's sleep cycle, without disrupting the animals. SychemCHANGE has been designed with an intuitive user interface, allowing for easy configuration and control over all parameters, while keeping relevant information a glance away.

What is an animal transfer station

Keeping animals happy, healthy and stress-free means moving them to a fresh, clean cage regularly. In order to keep both the animals and the humans safe, the animals are moved to the clean cage under a filtered laminar airflow, keeping all animal dander and allergens away from the technician and keeping any foreign bacteria and dander away from the animals. SychemChange does this by creating a downflow of H14 HEPA filtered air down on the work surface, this air is then sucked down through the work surface, filtered again and then exhausted out the bottom. This method of using dual filters reduces the build-up of heat and odours, as well as elongating the filters life.

Dimensions			
Dimension Description	**Inches**	**mm**	
Width	59.17	1503	
Height	65.79	1671	
Raised Height	89.41	2271	
Depth	31.34	796	
Largest Cage (Height)	13.78	350	
Work Area	**Width**	**Depth**	**Height**
Level	1205	686	666
Dipped	1208	686	706

Weight		
Unpacked Weight	**lbs**	**kgs**
	551	250

Noise	
Noise	**dB**
Fans only	57

Height Adjustment

Height adjusting legs allow the SychemCHANGE unit to be moved to a comfortable operating height for all users.

Intuitive UI

SychemCHANGE has been designed with an intuitive user interface, allowing for easy configuration and control over all parameters, while keeping relevant information a glance away.

Night Mode

Night mode is a user-set feature that automatically sets the LED lighting to red and changes the touchscreen interface to a red graphical overlay at a specified time. This allows the machine to be operated during the animal's sleep cycle, without disrupting the animals.

Optional Accessories

CHANGEStation has several features as added extras, these include:
- Side-mounted shelves (of various designs)
- Food hopper
- Automatic foaming hand sanitiser holder
- Repositionable locking arm with the
    following attachments:
        - Magnifying glass
        - Phone holder
        - Clamp
- Rear cover for single-sided operation.

Well-Being

With quiet operation and full night mode control, SychemCHANGE minimises the impact on the animal's sleep cycle as well as keeping stress levels at a minimum.

Easy Access

With its simple design and modular internals, SychemCHANGE can be quickly and efficiently maintained, and should any components fail; these can be quickly replaced, minimising machine downtime.

WASTESTATION
Stand-alone bedding disposal station

NEW

SYCHEMWASTE

Introcudction

The requirement for a bedding disposal station in your facility is clear and simple. It is a neat way of ensuring a clean working environment. Making life easier for animal technicians to dispose of waste, quickly and efficiently.

Active Airflow Technology

The system draws air from the room into the work area. Just above the work surface is where the air has a maximum flow, with a further option to extract air from the bin store below. Two levels of pre-filtration come as standard, situated behind a protective baffle. A cleanable fine mesh prevents ingestion of larger particles; then washable prefilters contain smaller dust particles. The final stage is an F9 Microfilter, limiting your exposure to allergens, odours and waste while emptying dirty cages. Further to this, the system continually monitors airflow to alert the user if the filters are getting blocked, or whether a filter is damaged.

Dimensions			
Dimension Description	**Inches**	**mm**	
Width	45.43	1154	
Height	77.17	1960	
Depth	29.33	745	
Largest Cage (Height)	13.78	350	
Bin Capacity	**Cubic Inch**	**CC**	**Litres**
Full lined bin	7323	120000	120

Weight			
Unpacked Weight	**lbs**	**kgs**	
	419	190	

Noise	
Noise	**dB**
Fans only	57
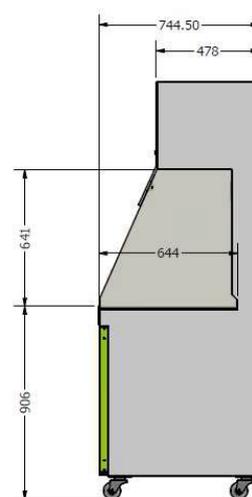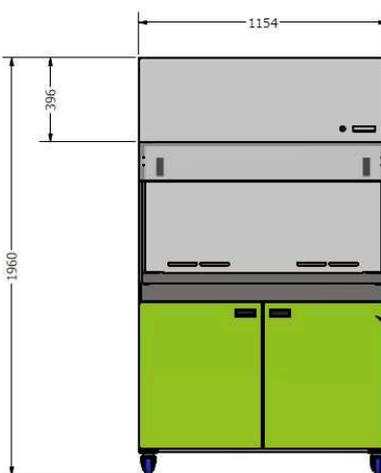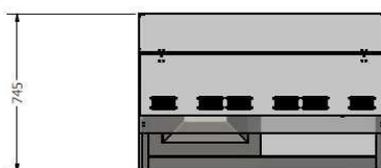
POWER INLET AT REAR OF MACHINE ON THIS SIDE

Improved Efficiency

The stations ergonomic design lends itself to being extremely user-friendly and easy to clean. All components are detachable and can be placed in a cage washer- saving you time and money on having to manually deep clean soiled components. For everyday handling, each unit comes as standard with a magnetic scraper to clean down the unit after each use.

Dual Filtration

Sychems' stand alone bedding disposal station enables a cleaner working environment for all. Utilising Active Airflow Technology, a filtered laminar airflow creates a downflow of H14 HEPA

Unrivalled Cleanability

Simply, the entire work platform can be lifted out for manual cleaning. The clear plastic sides are easy to remove, with both the chute and worksurface able to lift out. Making it easier than ever for you to clean after use.

Easy On-Site Set Up

Powered via a standard mains socket, the standalone waste disposal unit comes standard with a single chute and tabletop. Providing you with a spacious working area, compatible for working with all cages both small and large.

The station is lightweight and can be positioned into the desired operation seamlessly. The unit will fit through any standard door and can be secured safely with lockable front wheels.

A beat and tidy display screen is positioned in the right-hand corner of the unit, displaying an information status screen. Visual identification through a colour-coded emoji-styled set of indicators. Green/Amber/Red symbols highlight whether the systems filtration system is operating efficiently.

Cage Compatibility

The units spacious surface area provides you ample room to work with cages of all shapes, sizes and weights. You can rest assured knowing that SychemWASTE will provide your facility with the ideal solution for maintaining a clean and tidy working environment.

Standard Features

- One tabletop, chute, and bin
- Removeable knockout bar
- Three stage filtration
- Two-year warranty
- Magnetic scraper

Accessories

- Second chute
- Sychem bin(s)
- Side handles
- Exhaust thimble
- Magnetic bumpers

FILLSTATION
Free Standing Clean Bedding Dispenser

NEW

The Sychem Fill clean bedding dispensing system is the ideal solution for modernising your 'cage recycling' process within your animal facility.

The system has ten programs that are easily adjusted, allowing you to select specific cage dispensing cycles automatically.

There are 2 ultrasonic dispensing points that work independently or in harmony; this allows bedding to be automatically dispensed into cages bases all varieties.

The Touch Screen HMI display provides the ability for users to change cage/program names and adjust the dispense volume. It displays live graphics of the top hopper level and alerts users when bedding is required.

A unique dual transfer system will transfer any 'free flowing bedding' to the top quickly and efficiently. See our compatible beddings chart for full technical detail.
An actively monitored rear dispense zone filter and fans ensure dust is drawn away from the operator during operation – the filter is actively monitored, and the machine will display an alarm according to their condition – when 90+% blocked, the safety system will advise operators to work in safety mode, meaning PPE should be worn according to the departments procedures.

Sychem Fill's unique clean down function allows operators to access the vacuum system within the front of the machine to clean the machine, filters and surrounding area.

Dimensions			
Dimension Description	Inches	mm	
Width	45.43	1154	
Height	77.09	1958	
Depth	26.38	670	
Largest Cage (Height)	11.42	290	
Hopper Capacities	Cubic Inch	CC	Litres
Upper Hopper	9764	160000	160
Lower Hopper	4882	80000	80

Weight		
Unpacked Weight	lbs	kg
	573	260

Noise	
Noise	dB
Fans only	56
Auger & Fans	65
Auger, Vacuum & Fans	68
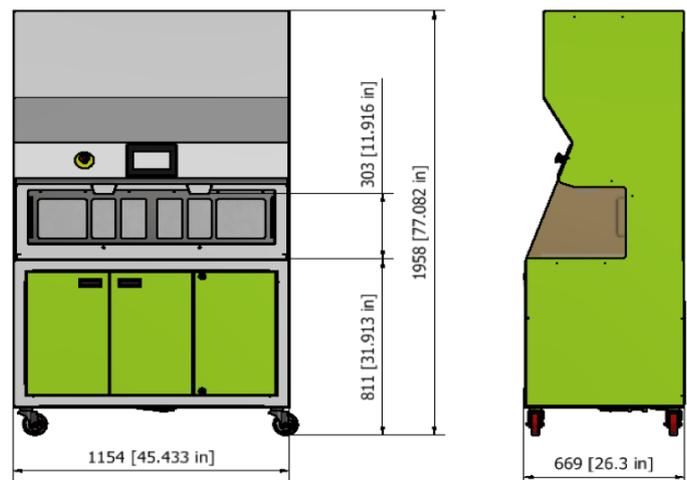
Design

- Designed and manufactured to the latest European Standards (CE Marked)
- UL Certified version available
- Ice White & Sychem Green painted - stainless steel construction
- Colour changing LED light illuminating work area
- NEW rear dust extraction & Filter with quick & easy filter removal - no tools required
- Ultra-sonic no-touch sensors - providing two independent dispense points with no-touch activation
- NEW Casters with lockable Wheels - enables easy mobility and stable positioning
- State of the art duel technology for fast and effective transportation of bedding product
    – transfers **ALL FREE FLOWING BEDDING!**

System Monitoring

- Bedding Level indicator – alerts users when low on bedding
- NEW Active Filters & Fans – Monitors filters efficiency
- Alarms with traffic light system and Troubleshooting modes

Energy Efficiencies & Servicing

- Only requires an Annual Service
- Quick and easy operator maintenance
- Low cost consumables
- True 'Plug-n-Play' using a single-phase domestic socket (ALL Global plug versions available) –
    NO OTHER SERVICES REQUIRED!
- Extremely energy efficient (see consumption info)
- Sleep mode – shuts down the machine after a period of non-use
- Maximizes product use from a bag of bedding - No bedding wastage

Control System

- NEW 7" HMI control for displaying easy to use icons
- Full-colour touch screen
- Users can easily program in their own cage names and adjust dispense volumes
- Animated icons displaying level within the upper hopper, filter monitoring and Filling Progress
- Clean Down Mode selection
- Fine-tune parameters – allows advanced control of the valve system to improve repeatability and dispense accuracy to within +/- 4%
- Flexible program parameters to enable all cage types to be accommodated and recorded
- Cycle counter to monitor productivity and cage throughput efficiencies
- Password protected operator levels

User Safety Systems

- Support shelf/guard – shelf allows users to support the bedding bag whilst loading bottom tank
- Emergency stop
- Safety cut off circuits – if the support shelf is opened at any time the machine will prevent product transfer
- Fan & Filter Sensors – will display a filter efficiency level, so operators know when to perform maintenance or replace
- Safe mode – should the filters block the machine will activate 'Safe Mode' and advise operators to wear PPE.
- Upper tank dust removal system to reduce dust level before dispense (better quality bedding and improved environment within the cage for the animals)
- NEW easy access Clean down facility with accessories for cleaning areas in & around the dispenser
- Removes repetitive and strain related injuries associated with manual dusting up
- Removes dust exposure to the operator

Welfare Benefits for the Animals

Sychem Fill uses a dual mechanical and vacuum system – the mechanical system agitates the dust whilst the vacuum system remove dust from the bedding, ensuring that when dispensed the bedding inside the cage is considerably less dusty. This substantially improves the environmental conditions for the animal and prolongs IVC filters, Air Handling Filters and Room Filtration.

EXPOSURE LINE – CO$_2$ BOX

AIR FLOW SYSTEMS

EXPOSURE LINE – CO$_2$ BOX

Innovation for routine operation and research. The PLC-controlled CO$_2$ Box, developed by ZOONLAB, permits the application of gases and gas compounds in a reproducible process for the very first time.

Consequently, the ZOONLAB CO$_2$ Box meets all established recommendations and statutory provisions for euthanasia of small rodents using CO$_2$.

Function and equipment:

- Programmable mixing ratio of 2 gases
- Programmable volume flow of gas compound
- Programmable time sequences
- Controllable processes
- Easy handling
- High operational safety
- Password-protected operating panel
- Up to 20 customer-specific programmes can be stored alongside the standard programmes
- Trend recording of all processes, displayed by graph
- Scope of delivery does not include the base frame

Options:

- Base frame
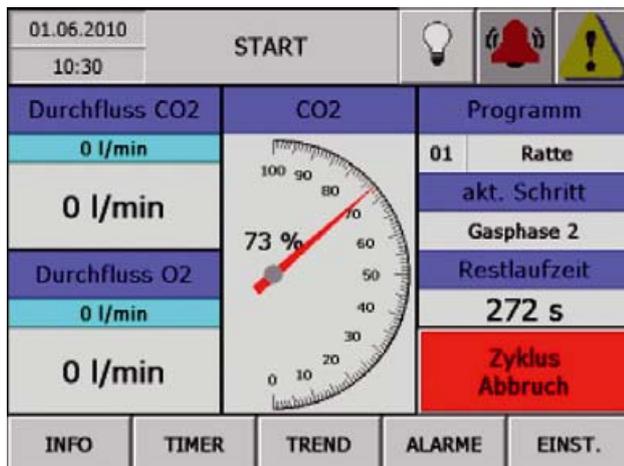
TFT touchpanel home screen

Programme selection

Cage type	Dimensions W x D (mm), no hood	Model M, chamber dimensions 600 x 640 x 300 mm (W x D x H), external dimensions 1,000 x 725 x 520 mm (W x D x H), volume 115 l	Model L, chamber dimensions 935 x 640 x 300 mm (W x D x H), external dimensions 1,334 x 725 x 520 mm (W x D x H), volume 180l
1 L	160 x 362	4	7
2	205 x 265	4	8
2 L	205 x 365	3	6
HRC 500	194 x 408	4	6
3 / 3 H	265 x 425	2	4
4	380 x 590	1	2
Order No.		5144501S	5144502S
Accessories			
Base frame		5144506	5144504

Subject to technical modifications.

ZOONLAB
READY FOR EXCELLENCE

ENRICHMENT

Our bedding and nesting materials have grown over many years. Today we have a wide selection of bedding, nesting and activity materials which enables the user to make the right choice for their needs. Our premium bedding and nesting materials form the basis for the well-being of the animals. All of the bedding and nesting materials from our range have been selected with the utmost of care to ensure their suitability for scientific animal husbandry, especially where strict GLP standards need to be adhered to.

DISPOSABLE HOUSES FOR MICE AND RATS

Smart-House for mice

Corner-House for rats

- Provide excellent „enrichment".
- Manufactured from specially selected GLP-compliant pulp (analysis report will be made available on request).
- Autoclavable.
- Ideal for IVCs.

Smart-House for mice, 2-part
- Size: 130 x 90 mm, 60 mm high – 500 pcs./box
- Order No. 3084018

Corner-House for rats
- Size: 210 x 210 mm, 100 mm high – 200 pcs./box
- Order No. 3084016

ASPENBRICKS

Aspenbricks

- Satisfy the natural gnawing, hiding and climbing instincts.
- Reusable following cage change.
- Batch-coded with full traceability.
- GLP-compliant.
- Autoclavable or can be supplied irradiated.

Aspenbricks (M)
- Size: 10 x 2 x 2 cm – 200 pcs./box
- Order No. 3084035

Aspenbricks (S)
- Size: 5 x 1 x 1 cm – 2,000 pcs./box
- Order No. 3084034

NESTLETS

Nestlets

- The perfect nesting material for mice, hamster, gerbils and rats.
- Nestlets take advantage of the innate instinct of rodents to tear up everything they find and build nests with it.
- Nestlets are clean, dust-free and easy to handle.
- Nestlets are autoclavable.
- Nestlets are made of crushed cotton fibres, sterilised during manufacture and packaged cleanly. Sufficiently pathogen-free for any application. Long shelf life. Packaged in extra-strong PE bags. Shipped in dust-proof, sturdy cardboard boxes.
- Box content: 100 sheets, 30 x 30 cm, pre-punched to allow easy dividing into 3,600 Nestlets (5 x 5 cm).
- Order No. 3097055

Subject to technical modifications.

NESTING AND ACTIVITY MATERIALS

Nesting materials for mice and rats are clean and free from dust (IVC suitable), easy to handle and autoclavable

Enrich-n`Nest

Enrich-n`Nest
- White, clean paper rolls.
- Promotes animal activity.
- Fully biodegradable.
- Suitable for hairless mice.
- Packaging unit: 35l/bag (approx. 7 kg)
- Order No. 3084007

Cocoon

Cocoon
- Small, white cylindrical fibres.
- Made from natural materials without chlorine.
- Easy for the animals to move.
- Promotes animal satisfaction.
- Size: 36 x 12mm
- Packaging unit: Box each containing 6,000 pcs.
- Order No. 3084008

Aspen Wood Wool

Aspen Wood Wool
- Soft wood strips.
- Ideally suited for nest-building.
- Suitable for adult mice and rats.
- Size: 1.5 x 20 mm
- Packaging unit: 90l/bag (approx. 3 kg)
- Order No. 3084005

Paper Shavings

Paper Shavings
- White, soft paper shavings.
- Clean and absorbent.
- Suitable for small animals.
- Autoclavable
- Packaging unit: 10 kg / bag
- Order No. 3084004

Pure-o`cel

Pure-o´cel
- White, clean paper chips for maximum absorption.
- Virtually dust free, fully biodegradable.
- Particle size: 4 x 4 mm
- Packaging unit: 24l/box
- Order No. 3084006

Subject to technical modifications.

NESTING AND ACTIVITY MATERIALS

Nestpaks

Nestpak is the unique combination of bedding material and quality paper bags. Animals are stimulated to become occupied and active by tearing up the paper bags, building nests and spreading the bedding material. A certificate of analysis will be supplied upon request.

- Nestpaks reduce workload.
- Nestpaks are accurately proportioned by the specified bag size.
- Nestpaks are autoclavable and ideal for IVCs.

Nestpaks

Description	Order no.
"Aspen" Nestpak 100g – 200 pcs. per box	3084020
"Grade 6" Nestpak 100g – 200 pcs. per box	3084024
"Grade 6" Nestpak 200g – 100 pcs. per box	3084037

Play tunnel

- Manufactured from brown kraft paper.
- The play tunnels are tested and analysed for harmful substances.
- Certificates are available.

Play tunnel

Description	Order no.
Play tunnel 75 x 38 mm – 800 pcs. per box	3084030
Play tunnel 125 x 90 mm – 80 pcs. per box	3084031
Play tunnel 250 x 101 mm – 48 pcs. per box	3084032

Sizzle Nest

- Premium, dust-free nesting material
- Ideally suited for a comfortable sub-surface
- Good absorption properties
- IVC-suitable
- Autoclavable

Description	Order no.
Sizzle-Nest, 10 kg / box	3084001

Subject to technical modifications.

POLYCARBONATE ENRICHMENT

Our polycarbonate enrichment is ideally suited for scientific animal husbandry. Inside the polycarbonate enrichment, the animals feel protected and safe whilst also being clearly visible to the users.

POLYCARBONATE ENRICHMENT

Mouse shelter
- Colour: Red transparent
- Autoclavable, non-toxic
- Stackable

- Provides a feeling of safety and protection.
- Dimensions: 100 x 90 x 55 mm (LxWxH)
- Order No. 3084010

Mouse igloo with running plate
- Mouse-igloo plate Red transparent
- Running plate colour: Amber
- Autoclavable, non-toxic

- The running plate promotes the instinctive running behaviour and increases activity.
- The products can also be purchased individually.
- Mouse igloo Order No. 3084011
- Running plate Order No. 3084012

Tunnel
- Material: 4 mm-thick polycarbonate
- Autoclavable
- Promotes animal activity, reduces boredom and aggressive behaviour

- Mouse tunnel dimensions: 100 x Ø50 mm
- Order No. 3084040
- Rat tunnel dimensions: 155 x Ø 75 mm
- Order No. 3084014

Crawl Ball
- Colour: Red transparent
- Autoclavable, non-toxic
- Provides the animal with a good opportunity to hide

- Order No. 3084042
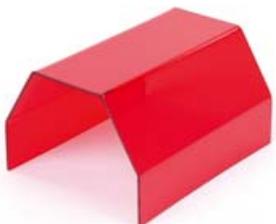
Guinea pig house
- Colour: Red transparent
- Autoclavable, non-toxic
- Option to withdraw

- Dimensions: 205 x 157 x 115 mm (L x W x H)
- Order No. 3084051

We would be happy to provide you with free samples on request.

Subject to technical modifications.

ZOONLAB
READY FOR EXCELLENCE

First-class enclosure systems

concept – design – construction – production – installation

[ZOONLAB]
READY FOR EXCELLENCE

The first choice for decades

## ZOONLAB offers individual solutions for more than 60 years

The complete view of an enclosure system is the basis for a high-quality primate husbandry. Detailed spatial plans and installation drawings in 2D and 3D which we create in close cooperation with our customers are parts of our design & planning process.

In addition to capacity and structure we also focus on operation safety, daily routine working processes (for example feeding, cleaning, etc.) and individual type-specific habitat design (ENVIRONMENTAL ENRICHMENT) to provide optimal husbandry conditions.

Our team of experienced engineering draftsmen converts the concepts into technical construction drawings. Every element and every component is constructed in detail (CAD) and inspected for accuracy. After our customer´s approval we start the production process.
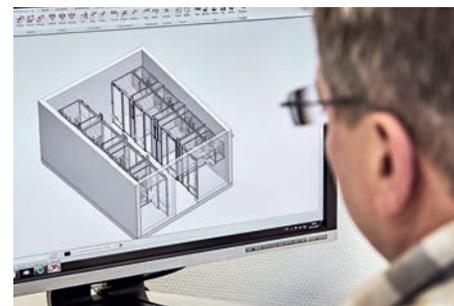
Ill. top high demands on the quality and design of our animal welfare enclosure systems in detail
Ill. middle spatial plans and installation drawings in 3D of a primate husbandry system
Ill. bottom individual solutions by long-term experience
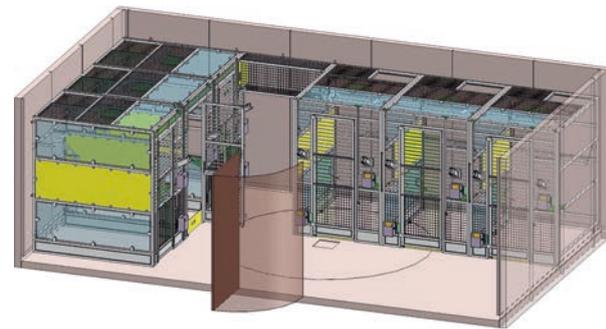
The husbandry of non-human primates (NHP) requires high standards in quality and design of animal welfare enclosure systems. ZOONLAB offers competent assistence and long-lasting quality starting from the first idea to the professional installation.

In addition to the proficient support during the whole project our service includes the conception, design and construction (CAD) of your new husbandry system such as the production at our own premises in Germany. The ZOONLAB installation team will complete the project at your facilities.

Decades of experience in building enclosure systems guarantee a wide experience in individual solutions und high-quality processing of stainless steel, safety glass and plastic materials – made in Germany.

Quality in every detail – Made in Germany

ZOONLAB proves itself through extraordinary ideas and excellent manufacturing

At our in-house production facilities our team professionally processes components of stainless steel, laminated safety glass and plastics, which are mainly used in the medical sector. Stainless steel components are manually welded using TIG welding to guarantee clean and corrosion resistant weld seams.

Afterwards all steel surfaces are finished by glass bead blasting. This provides homogenous surfaces, enhanced optics and improved resistance against physical and chemical strain.

Ill. left assembly production of stainless steel components (TIG welding)
Ill. top hygiene requirements – edges to prevent dirt accumulation
Ill. middle primate-safe cage closures
**Ill. bottom** clean and corrosion resistant weld seams (TIG-welding)

All ZOONLAB enclosure systems are planned, constructed and manufactured according to regulatory requirements (currently guideline 2010/63/EU of the European Parliament).
In addition the professional processing of selected high-grade materials, the implementation of colours and the innovative solutions for habitat designs create ideal conditions for the well-being of your animals.
During the conception, the construction and the production we always ensure hygiene (cleanliness of the enclosure systems) and safety for your animals (eg. no sharp edges, clean weld seams).

[ZOONLAB]
READY FOR EXCELLENCE
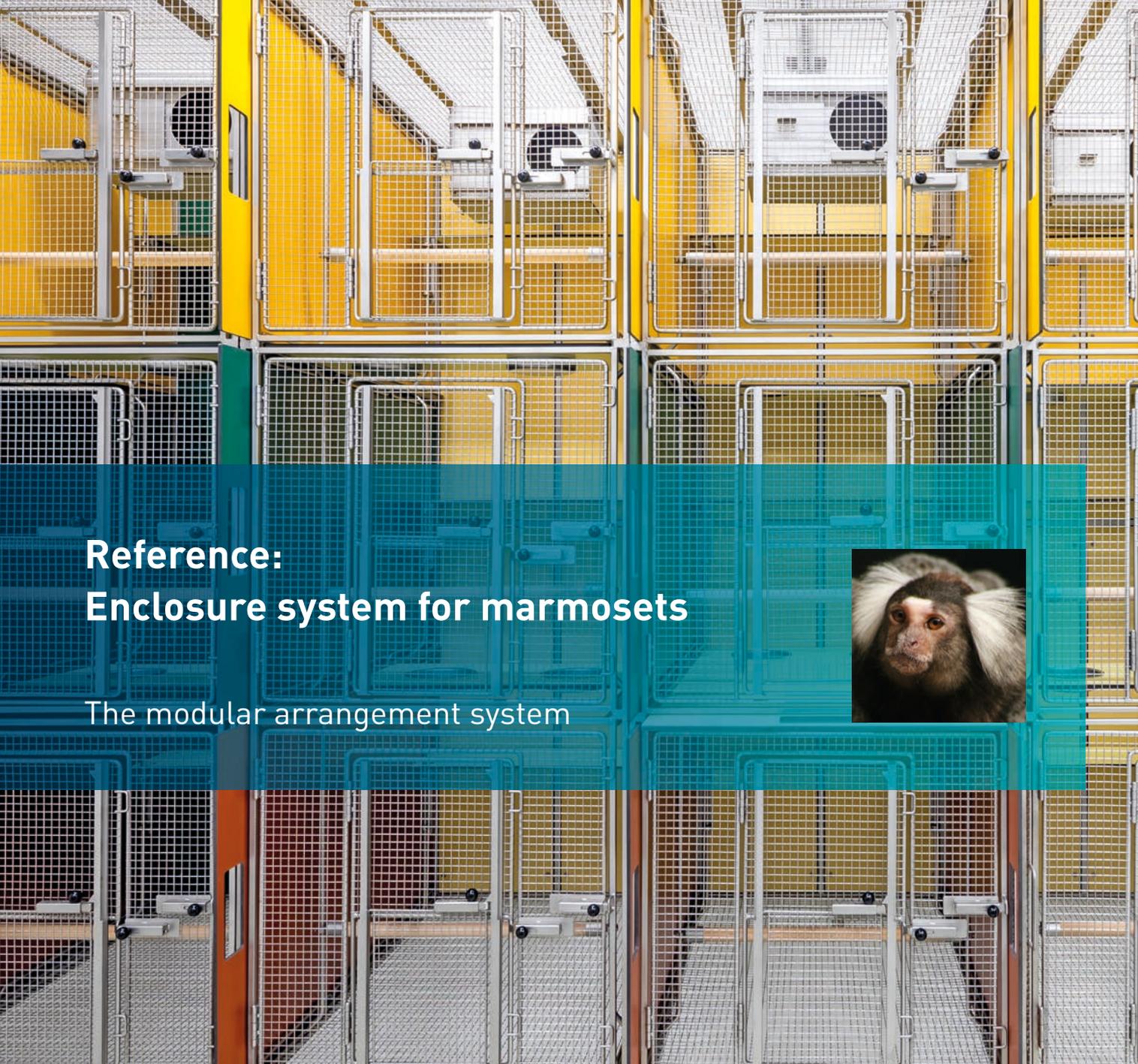
Reference:
Enclosure system for marmosets

The modular arrangement system

Enclosure systems for housing marmosets usually consist of several single cage modules which are mounted together and can be modified into larger units with very little effort. A single cage module (minimum floor area 0,5m², minimum habitat height 1,5m) is built of stainless steel and high-pressure laminate panels and is designed to house six adult animals in three compartments with removable floor panels.

The various colour options for the side and back panels allow for an individual interior design and an interesting environment for the primates.

ZOONLAB designs and produces your husbandry system according to your wishes and the welfare of the animals.

Ill. top the application of colours in a husbandry system increases the well-being of the animals and is just one example of our innovative solutions

Ill. middle Professional processing of high-grade materials, suitable for scientific animal husbandries

Ill. bottom All resting areas are adjustable in three positions and can be equipped with feeding bowls

[ZOONLAB]
READY FOR EXCELLENCE

Reference:
Enclosure system for macaques and guenons
Life inside and outside of social groups

For the husbandry of macaques and guenons single cages with a floor area of 2m² and a minimum habitat height of 1.8m are needed. ZOONLAB reviews the structural situation and designs suitable primate welfare habitats (in compliance woth norm 2010/63/EU). A high variety of designs and dimensions highlight the professional realization of resting areas, window panels, climbing and sitting areas according to the current requirements. Tunnels or openings to adjacent cages create an enlargement of the habitation area. This allows a life in social groups in smaller enclosure systems.

Ill. top spacious group cages
Ill. middle individual interior equipment
Ill. bottom mobile capturing /application cage for the transport of single animals

[ZOONLAB]
READY FOR EXCELLENCE

TRANSPORT SYSTEM FOR WATER BOTTLES
TRANSPORT TROLLEY AND BOTTLE WASHING BASKETS

The ZOONLAB transport system for bottle washing baskets makes all of the work processes associated with drinking bottles easier on a day to day basis.

The transport trolley and the matching washing basket ensure an ergonomic and efficient water bottle management.

TRANSPORT TROLLEYS
FOR BOTTLE WASHING BASKETS,
MADE OF STAINLESS STEEL

ZOONLAB transport trolleys for washing baskets make the day-to-day work with water bottles easier. The loaded washing baskets remain in the transport trolley for the entire procedure during the loading and unloading process. Plastic rails (option) simplify the removal of the baskets and prevent bothersome grinding noises. Round tubes and autoclavable easy-running castors ensure excellent transport comfort. The rack made of stainless steel is glass-bead blasted and autoclavable. The front two of the four wheels can be locked so that the user is able to switch between precise mobility and a firm standing. The standard model boasts capacity for 10 bottle washing baskets but transport trolleys for 12, 15 or 18 baskets can also be produced on request.

Type	Description	Dimensions in mm (W x D x H)	Order no.
TW-FSPÜ-PA	holds 10 bottle washing baskets, each 250 or 270 mm high, incl. guide rails with polyamide attachment	610 x 640 x 1,631	5113705-8
TW-FSPÜ	holds 10 bottle washing baskets, each 250 or 270 mm high, excl. guide rails with polyamide attachment	610 x 640 x 1,631	5113705-9
Option			
TW cover hood	Cover hood to protect the transport trolley and its contents, complete with 2 zips, autoclavable	Suitable for the aforementioned transport	3119947

BOTTLE WASHING BASKETS
MADE OF STAINLESS STEEL

ZOONLAB bottle washing baskets are designed for all conventional-sized water bottles. They are made of stainless steel, are electrolytically polished and autoclavable. All of the washing basket versions can be stacked amongst each other. The bottles are fixed into place via a detachable cover which also ensures that they remain secure during the cleaning process.

Type	Description	Dimensions in mm (W x D x H)	Order no.
FSPÜ 25-30 / 250	Washing basket which holds 18 F 25 and/or F 30 type bottles	500 x 265 x 250	5122099
FSPÜ 40-75 / 250	Washing basket which holds18 F 40, F 50, F 53 and/or F 75 type bottles	500 x 265 x 250	5122100
FSPÜ 25-30 / 270	Washing basket which holds 18 F 25 and/or F 30 type bottles	500 x 265 x 270	5122096
FSPÜ 40-75 / 270	Washing basket which holds 18 F 40, F 50, F 53 and/or F 75 type bottles	500 x 265 x 270	5122097
Option			
FSPÜ cover	Suitable for type FSPÜ 25-30 and FSPÜ 40-75 washing baskets	495 x 240, handle 70 mm high	5122098

Subject to technical modifications.

TRANSPORT TROLLEYS AND AUTOCLAVING TROLLEYS
TRANSPORT & ACCESSORIES

All trolleys are made of stainless steel and are equipped with 4 castors with a diameter of 100 mm (of which 2 are equipped with locking device). The castors are equipped with a stainless steel housing and are autoclavable up to max. 134°C.

TRANSPORT SYSTEM FOR CAGES

TROLLEY FOR CAGES

The ZOONLAB transport system for cages makes logistics and storage easier and faster in day-to-day operation. Round tubes and autoclavable easy-running castors ensure excellent transport comfort.

The trolley can also be used in the same way as a sack truck. The trolley made of stainless steel is glass-bead blasted and autoclavable. Two of the four castors can be steered and locked into place. (Two of the castors cannot be steered so that the trolley can be used as a sack truck). We can also optionally produce trolleys for all conventional cages on the market, including for cages produced by other manufacturers.

Trolley for cages Type 1L, 2, HRC 500 and 2 L

Description	Material	Dimensions in mm (W x D x H)	Order no.
Trolley for cage types 1L, 2, HRC500 and 2L, 2 rows on top of each other, 2 rows next to each other, capacity: 40 cages	Stainless steel (AISI 304)	507 x 441 x 1,372	5113757
Trolley for cage type 4, 2 rows on top of each other, capacity: 16 cages	Stainless steel (AISI 304)	631 x 440 x 1,372	5113758
Option			
Cover hood for trolley (cage types HRC 500, 1L, 2, 2L) white fabric, 2 strong zips in the corners, can be sterilised in 5 minutes at 136 degrees	Canvas fabric	507 x 454 x 1,250	3119948
Cover hood for trolley (cage type 4) white fabric, 2 strong zips in the corners, can be sterilised in 5 minutes at 136 degrees	Canvas fabric	735 x 440 x 1,250	3119949
Accessories			
Cage type 1L, cage floor size 405 cm²	Polycarbonate	362 x 160 x 143	3010030
	Polysulfone		3010029
Cage type 2, cage floor size 360 cm²	Polycarbonate	265 x 205 x 140	3010010
	Polysulfone		3010046
Cage type HRC 500, cage floor size 502 cm²	Polycarbonate	408 x 185 x 120	3010045
	Polysulfone		3010044
Cage type 2L, cage floor size 530 cm²	Polycarbonate	365 x 205 x 140	3010034
	Polysulfone		3010041
Cage type 4, cage floor size 1,815 cm²	Polycarbonate	590 x 380 x 200	3010006
	Polysulfone		3010027

Subject to technical modifications.

TRANSPORT TROLLEYS AND AUTOCLAVING TROLLEYS

Trolleys for transport and autoclaving, closed

Trolleys for transport and autoclaving, 1,500 mm height

Description	Dimensions (W x D x H) in mm	Order no.
Transport and autoclaving trolleys equipped with two lockable doors, EU 4 filter mats on the rear side and recessed grips on both sides	970 x 500 x 1,500	5113760
Transport and autoclaving trolleys equipped with two lockable doors, EU 4 filter mats on the rear side and recessed grips on both sides	970 x 500 x 1,900	5113761

TWA TRANSPORT TROLLEYS

TWA 9/5/18-LB

The shelving distance between the shelving sheets is 590 mm.

Description	Dimensions (L x W x H) in mm	Order no.
a) With perforated shelf		
TWA 9/5/18-LB	960 x 500 x 1,800	5113774
TWA 12/5/18-LB	1,200 x 500 x 1,800	5113775
b) With non-perforated shelf		
TWA 9/5/18-GB	960 x 500 x 1,800	5113776
TWA 12/5/18-GB	1,200 x 500 x 1,800	5113777
c) With shelves made of spot-welded wire grids, e.g. for the autoclaving of feed bags		
TWA 9/5/18-DB	960 x 500 x 1,800	5113778
TWA 12/5/18-DB	1,200 x 500 x 1,800	5113779

Other dimensions available on request.

Trolley for transport and autoclaving 5113813

Trolley for transport and autoclaving with 3 perforated shelves that are tilted backwards, with raised edge, shelf distance 605 mm.

Description	Dimensions (L x W x H) in mm	Order no.
Trolley for transport and autoclaving	1,000 x 500 x 1,850	5113814
Trolley for transport and autoclaving	1,250 x 500 x 1,850	5113813

Subject to technical modifications.

TRANSPORT TROLLEY / PLATFORM TROLLEY

TW4931-91S

Load surface without sliding edge

Description	Dimensions (L x W x H) in mm	Order no.
TW 4921-91S	940 x 500 x 855	5113750
TW 4922-91S	1,100 x 700 x 890	5113751

Load surface with sliding edge LABO

Description	Dimensions (L x W x H) in mm	Order no.
TW 4931-91S	945 x 505 x 855	5113748
TW 4932-91S	1,105 x 705 x 890	5113742

TRANSPORT TROLLEY, 2-SHELF

TW 47022

LABO

Sheet shelf with sliding edge

Description	Dimensions (L x W x H) in mm	Order no.
TW 47022	900 x 600 x 1,020 (shelf distance 590 mm)	5113752
TW 47122	1,100 x 700 x 1,020 (shelf distance 590 mm)	5113753

Sheet shelf without sliding edge

Description	Dimensions (L x W x H) in mm	Order no.
LABO	1,200 x 575 x 830 (shelf distance 650 mm)	5113702

TW-MSW TRANSPORT TROLLEY

The TW-MSW transport trolley is available in an autoclavable and non-autoclavable design.

TW-MSW 8 x 5/2

Description	Dimensions (L x W x H) in mm	Order no. Non-autoclavable	Order no. autoclavable
TW-MSW 6 x 4/2	700 x 500 x 895, 2 levels	3111735	5111735S
TW-MSW 8 x 5/2	900 x 600 x 940, 2 levels	3111736	5111736S
TW-MSW 10 x 6/2	1,100 x 700 x 960, 2 levels	3111738	5111738S
TW-MSW 6 x 4/3	700 x 500 x 895, 3 levels	3111732	5111732S
TW-MSW 8 x 5/3	900 x 600 x 940, 3 levels	3111733	5111733S
TW-MSW 10 x 6/3	1,100 x 700 x 940, 3 levels	3111734	5111734S

Subject to technical modifications.

STORAGE CONTAINERS

FVB 2   FVB 2 long   FVB 3

Type	Description	Dimensions mm (WxDxH)	Order no.
FVB 2	Storage container for feed or litter, approx. volume 100 l	500 x 500 x 400/845	5113724
FVB 2 long	Storage container for feed or litter, approx. volume 200 l	1,300 x 550 x 400/880	5113726
FVB 3	Storage container for feed or litter, approx. volume 480 l	1,000 x 600 x 800	5113725

TROLLEY FOR WASTE COLLECTION

ABSA
The upper shelf sheet is equipped with a waste opening with clamping ring on one side in order to fasten a conventional refuse sack.

ABSA 2
Waste collector with refuse sack holder, stainless steel, opening with a diameter of 340 mm.

ABSA

ABSA 2

Description	Dimensions (L x W x H) in mm	Order no.
ABSA	1,200 x 575 x 1,020	5113707
ABSA 2	500 x 650 x 950	3113708

SACK TRUCK

Aluminium sack truck
Blade dimensions: 400 x 160 mm
Wheels: Full rubber, 250 mm Ø , non-autoclavable

Description	Order no.
SACKK	3111760

Subject to technical modifications.

LECTERN
DOCUMENTATION TABLE

The ZOONLAB stainless steel lectern can be used as a speaker's desk, a documentation desk and storage shelf and also offers further application possibilities in the field of animal husbandry. The lectern can be moved comfortably thanks to the easy-running castors. Two of the four castors can be locked into place. The ZOONLAB lectern is autoclavable.

Description	Material	Dimensions in mm (W x D x H)	Order no.
Lectern for documents (base frame with document compartment)	Stainless steel (AISI 304)	650 x 467 x 1,100	5115026
Option in combination with the base frame			
Inclined lectern rest for 12° inclination, applied loosely to the lectern.	Stainless steel (AISI 304)	606 x 449 x 139	5115024
Printer compartment for lectern	Stainless steel (AISI 304)	591 x 447 x 300	5115027
Drawer for lectern	Stainless steel (AISI 304)	531 x 295 x 150	5115028
Extendable keyboard rack for lectern	Stainless steel (AISI 304)	531 x 300 x 20	5115029

Subject to technical modifications.