

EN

EP.V.36120.00 | 01.2025

asecos®



SL
LINE

USER MANUAL

acids and alkalis cabinets

5 YEARS WARRANTY

Upon conclusion of an asecos service and maintenance agreement (BasicPlus tari) with a fixed term of 5 years, you will get a warranty extension for a maximum of 5 years for your safety storage cabinet.

For detailed information about our warranties please visit:





SL-CLASSIC



SL.196.120.MV



SL.196.060.MH



SL.196.120.MV.WDC



SL.196.060.MH.WDC

SL-CLASSIC-UB



SL.060.140.UB.3T



SL.060.110.UB.2T
SL.060.110.UBM.2T



SL.060.059.UB.T
SL.060.059.UB.TR
SL.060.059.UBM.T
SL.060.059.UBM.TR



SL.080.110.UB.2T



SL.080.059.UB.TR
SL.080.059.UB.T



SL.080.110.UB.2TC



SL.080.059.UB.TCR
SL.080.059.UB.TC

OPERATING INSTRUCTIONS

Dear customer,

Thank you very much for purchasing a safety storage cabinet from our company, with which you have made a decisive investment in the safety within your company. Our safety storage cabinets make the storage of hazardous materials at the workplace safe and convenient for you.

Please read these operating instructions very carefully. Get to know the advantages and simple operability of our safety storage cabinets in detail. This simplifies the daily handling of hazardous materials for you.

Many thanks
Your asecos team

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1. NOTES - GUIDELINES - GUARANTEE

1.1. GENERAL SAFETY NOTES

- Observe applicable statutes and regulations, and the notes in these operating instructions, when handling hazardous materials
- Work on the electrical system is to be carried out only with the power turned off and only by qualified electricians – refer here to the regulations of the local electricity supply company.
- The on-site installation conditions are to be observed (e.g. bolting the cabinets to the building).
- The instructions of the supervisory engineering department must be followed.
- **Ensure that the necessary safety checks are only carried out by authorised staff using original spare parts**
- Only use the cabinet after having been properly instructed; access is to be forbidden to unauthorised persons.
- The pivoting area of the doors is to be kept free at all times; doors/drawers are to be kept closed
- Observe the upper limits for stored quantities, loading etc.
- Before the initial commissioning, the safety storage cabinet is to be examined by the user for possible damage.
- To avoid explosive atmospheres and harmful vapours, sufficient technical ventilation is strongly recommended. Please observe the instructions for connection to an exhaust air system.
- Before storing such materials, check that the cabinet's surface is resistant to the chemicals.
- The storage of corrosive liquids or gases can affect the function of the shut-off equipment for the air supply and exhaust.
- The tall cabinets (SL-CLASSIC models) must generally be screwed to the building (see point 3.4 of these operating instructions). Under bench cabinets (SL-CLASSIC-UB models) must be screwed to the building.

Set-up requirements



1.2. GUARANTEE

The guarantee for this product is agreed between you (the customer) and your dealer (the seller). As the manufacturer, asecos guarantees the products listed in the operating instructions for a period of 24 months from the date of delivery. All model safety equipment are subject to a compulsory annual inspection by specialised staff authorised by the manufacturer. Otherwise the customer's guarantee claim against the manufacturer expires. Please note that the warranty is also void if holes are drilled or modifications are made without consulting the manufacturer asecos.

1.3. CABINET DETAILS

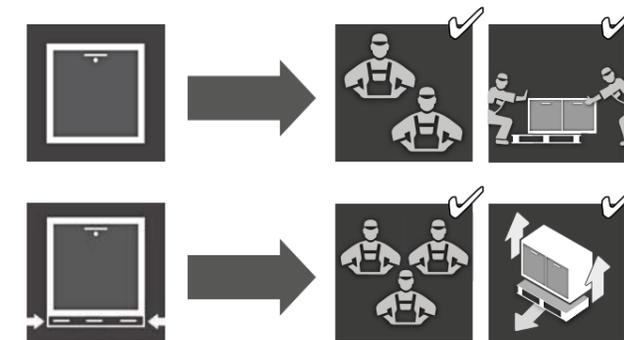
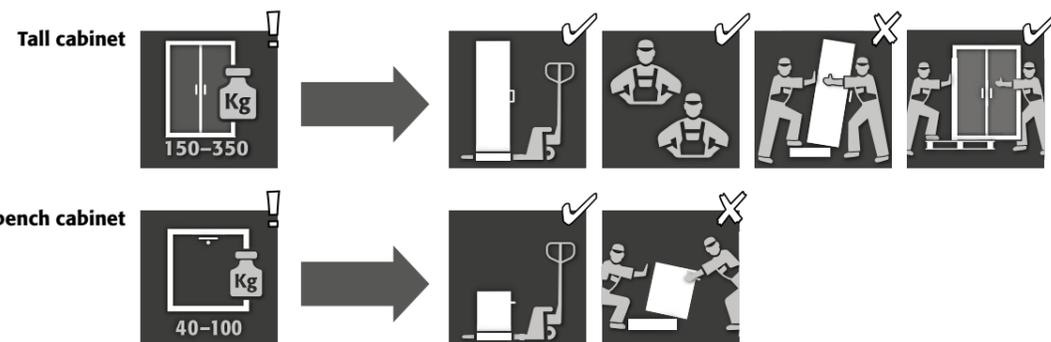
A complete overview of the models can be found at the start of the operating instructions.

Cabinet data: logbook (included with the cabinet)
Technical drawing: see appendix
Technical data: table in appendix

SL-LINE: for the safe and proper storage of aggressive liquids (not for the storage of flammable liquids)

2. TRANSPORT

2.1. GENERAL FACTS



CAUTION:
 Transport the cabinet in an upright position on a pallet truck, tied and secured against slipping, until the final place of installation is reached. The transport locks in the door joints may only be removed directly at the place of installation! Inappropriate transport can lead to concealed damage! We can only guarantee the necessary quality if the cabinet is transported to the place of its use by our specially trained staff. **Damage to the cabinet must be reported immediately in writing!**

2.2. TILTING THE CABINET



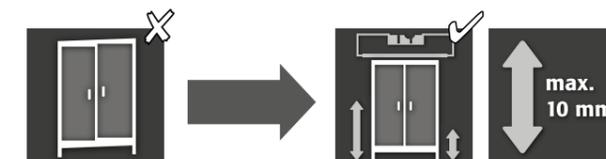
CAUTION:
 Tilting the cabinet may only be done without jolts! When using a stair robot, observe the maximum load capacity of the device according to the manufacturer's instructions!

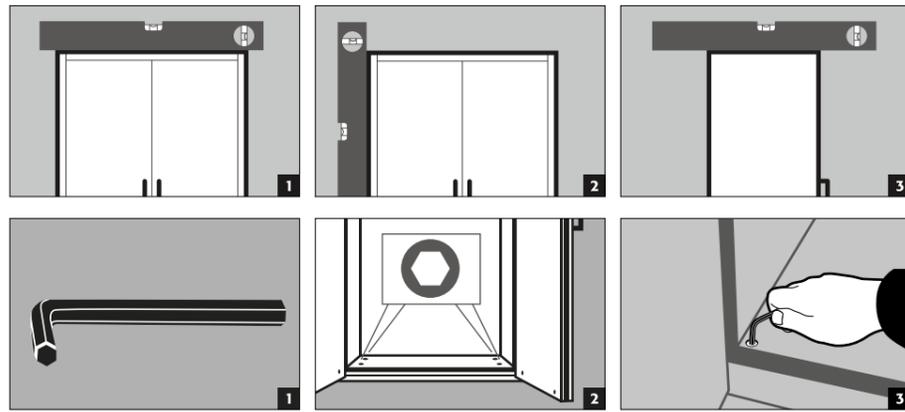
3. ERECTION - COMMISSIONING - FUNCTION



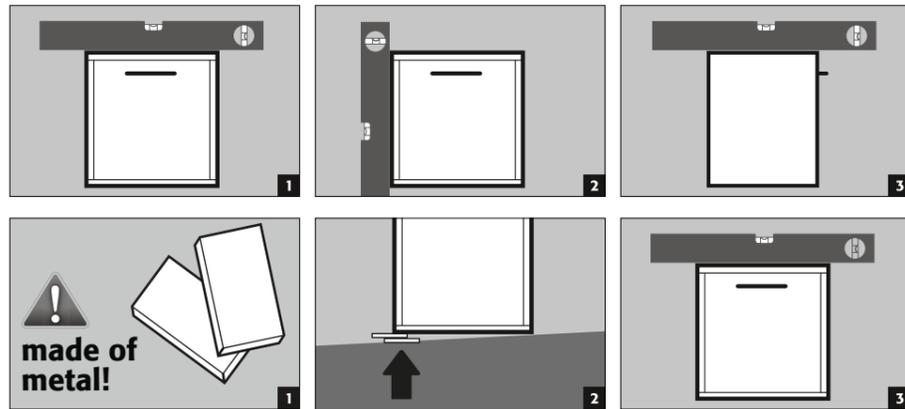
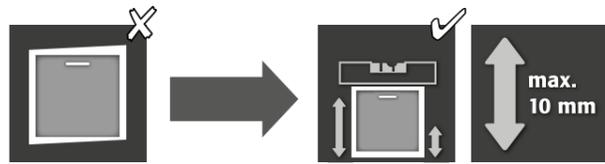
NOTE
 If the distance between door and floor is greater than 40 mm and less than 120 mm, appropriate door panels can be used to avoid possible crushing hazards in the foot area. The matching panels for the cabinet model can be requested free of charge at service@asecos.com.

3.1. ALIGNMENT OF TALL CABINETS



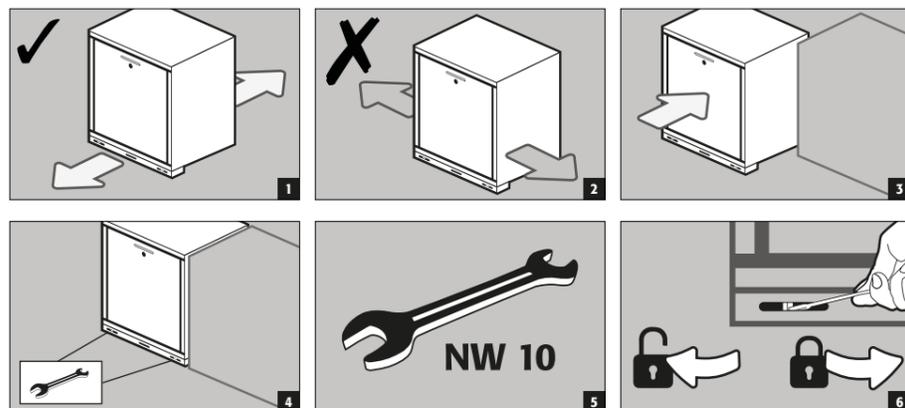


3.2. ALIGNMENT OF UNDER BENCH CABINETS

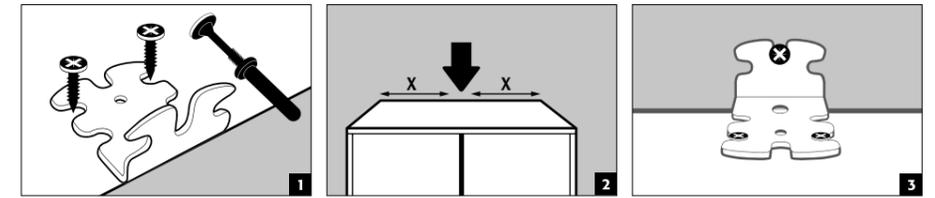


CAUTION:
For models with a mobile plinth, this must be locked in advance. Only then can the cabinets be aligned.

3.3. MOBILE PLINTH



3.4. ANTI-TILT OF TALL CABINETS



NOTE
The tilt bracket is only installed after the cabinet has been aligned (see 'Aligning the cabinets').
If the enclosed dowel is not suitable for the existing wall, the cabinet must be fastened to the back of the floor with the building or a suitable dowel must be selected for fastening.

Please refer to the technical data sheet and installation instructions for the enclosed dowel:



German / English



Further languages are selectable via website

3.5. COMMISSIONING

- Before putting into operation for the first time, the user must carry out an examination of the safety storage cabinet for possible damage, such as defective or loose sealing elements, correct alignment and perfect functioning of the door elements.
Use the cabinet and accessories only if they are in an orderly condition.

4. CLOSING MECHANISMS

SL-LINE			
SL-CLASSIC			
SL.196.120.MV	✓		
SL.196.060.MH.(R)	✓		
SL.196.120.MV.WDC			✓
SL.196.060.MH.WDC			✓
SL-CLASSIC-UB			
SL.060.140.UB.3T	✓		
SL.060.110.UB.2T	✓		
SL.060.059.UB.T(R)	✓		
SL.060.110.UBM.2T	✓		
SL.060.059.UBM.T(R)	✓		
SL.080.110.UB.2T	✓		
SL.080.059.UB.T(R)	✓		
SL.080.110.UB.2TC			✓
SL.080.059.UB.TC(R)			✓

- 1 Make sure that the door(s) are always closed again after use. The door is/ doors are always locked by hand.
- 2 The doors are permanently self-closing by means of a door closer.



Tall cabinets
The cabinets are fitted with a profile cylinder lock



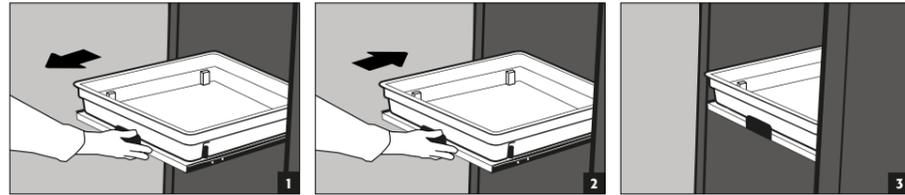
Under bench cabinets
The cabinets are fitted with a cylinder lock with locking status indicator

5. INTERIOR FITTINGS

5.1. TRAY SHELF



CAUTION:
The drawers are permanently installed in the cabinet and are fitted with drawer stops. They must be pushed into the cabinet by hand after use. Cabinets with drawers must be fastened to the wall by means of an anti-tipping device!



Leakage



5.2. SHELF WITH COLLECTING SUMP - COLLECTING SUMP

Tall cabinets

- Shelf with collecting sump incl. grid can be installed as a storage level in the cabinet.
- Collecting tray incl. grid for large-volume containers. Installation only on the base of the cabinet (model SL.196.060.MH not in the upper compartment) Cannot be used as a storage level in the cabinet.



CAUTION:
The individual volumes that can be collected can be found in the table of technical data in the appendix.

5.3. SAFETY BOX FOR HYDROFLUORIC ACID

Tall cabinet

- Separately lockable safety box with integrated drip tray for separate storage of hydrofluoric acid in the cabinet.
- The safety box is installed at a fixed position in the cabinet.

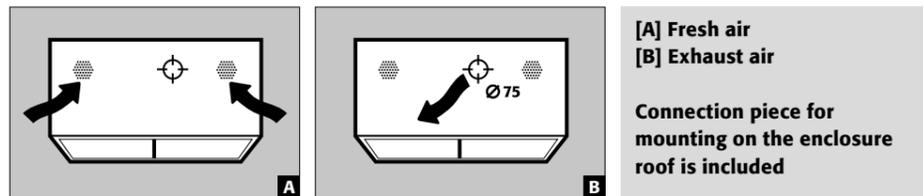
6. VENTILATION



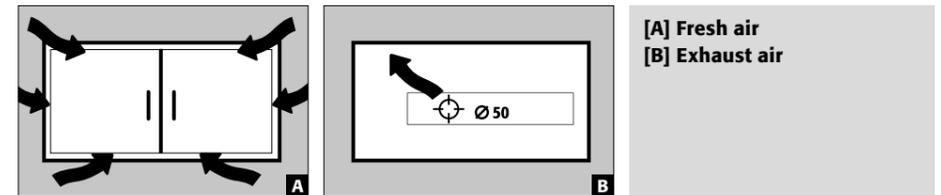
CAUTION:
If aggressive substances are stored, technical ventilation is absolutely essential. An air exchange rate of at least 30 times the manufacturer's specification must be maintained.

6.1. CONNECTION TO TECHNICAL VENTILATION

Tall cabinet



Under bench cabinet



7. DISPOSAL



The models can be disposed of once they have been dismantled and the materials sorted.

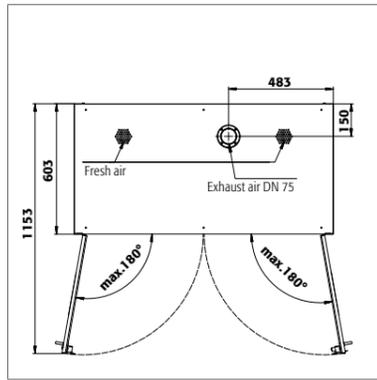
8. SAFETY CHECKS

The cabinets are designed and built in such a way that no significant servicing is required. If safety-relevant damage (such as to the seals in acid and alkali cabinets) is found, the operator must ensure that original parts are used to restore the cabin to good order before it is used again. In order to check the evacuation, take a light piece of fluff or a smoke tube, and check that you can observe a draught inside the cabinet in the area of the outlet opening (on the right of the cabinet or at the rear wall).

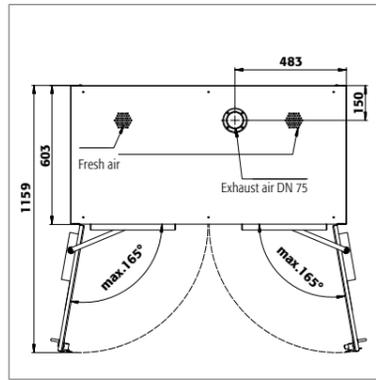


CONTACT:
In the case of defects or complaints about our products (within and also after the warranty period), and for requesting safety checks or taking out a service contract, please contact our service hotline on:
Tel: +44 1785 22 70-90 | info@asecos.co.uk (for great Britain and Ireland)
Tel: +49 1805 92 20 92 | service@asecos.com (international)

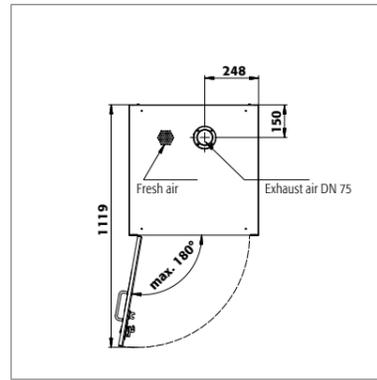
9. TECHNICAL DRAWING



SL 196.120.MV

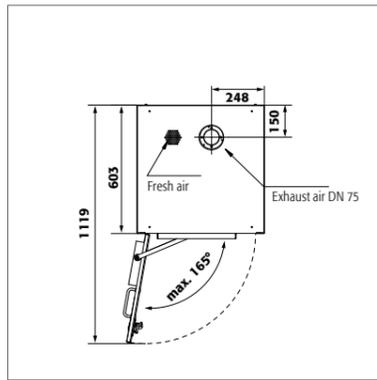


SL 196.120.MV.WDC

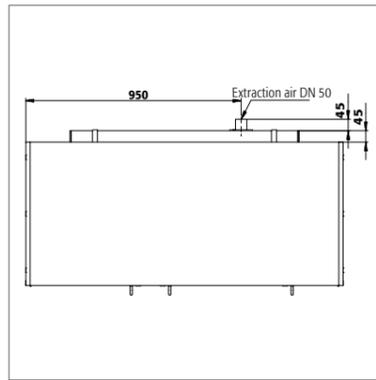


SL 196.060.MH

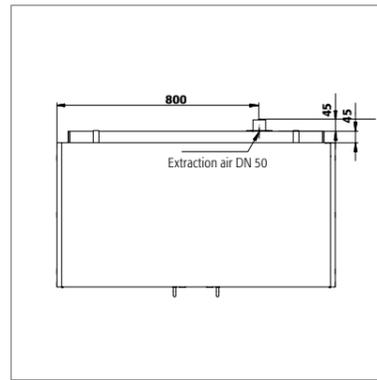
SL 196.060.MH.R



SL 060.060.MH.WDC

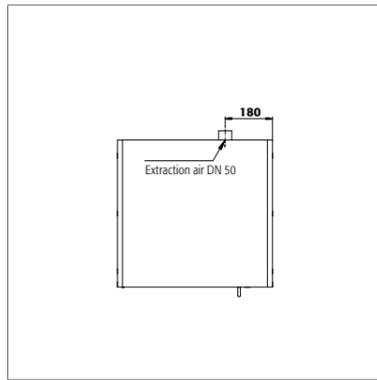


SL 060.140.UB.3T



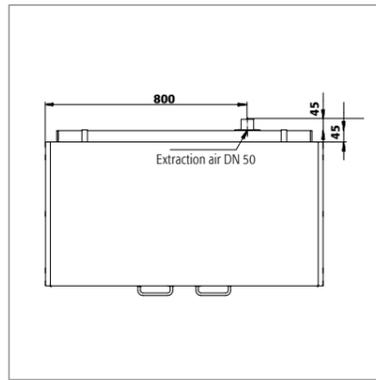
SL 060.110.UB.2T

SL 060.110.UBM.2T

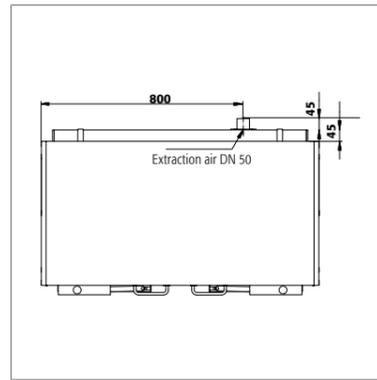


SL 060.059.UB.T
SL 060.059.UBM.T

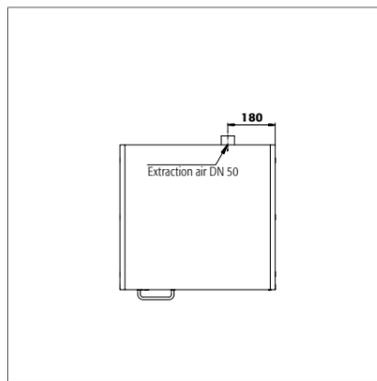
SL 060.059.UB.TR
SL 060.059.UBM.TR



SL 080.110.UB.2T

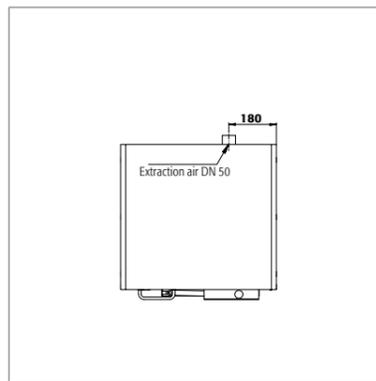


SL 080.110.UB.2TC



SL 080.059.UB.TR

SL 080.059.UB.T



SL 080.059.UB.TCR

SL 080.059.UB.TC

9.1. TABLE WITH TECHNICAL DATA

Key for "Technical data" table

- 1 Dimensions W x D x H external
- 2 Internal dimensions W x D x H
- 3 Weight of empty cabinet(kg)
- 4 Maximum load (kg)
- 5 Volume with 30 times air change (m³/h)
- 6 Differential pressure (10 times air change EK5/AK4) (Pa)

SL-LINE	1	2	3	4	5	6
SL 196.120.MV	1200 x 605 x 1970	all compartments: 485 x 570 x 1869	215	300	31	10
SL 196.060.MH	597 x 603 x 1965	top: 485 x 570 x 914 bottom: 485 x 570 x 833	136	300	14	4
SL 196.060.MH.R	597 x 603 x 1965	top: 485 x 570 x 914 bottom: 485 x 570 x 833	136	300	14	4
SL 060.140.UB.3T	1400 x 570 x 600	left: 489 x 531 x 562 central: 489 x 531 x 562 right: 281 x 531 x 562	66	100	11	3
SL 060.110.UB.2T	1100 x 570 x 600	all compartments: 489 x 531 x 562	53	100	9	2
SL 060.059.UB.T	590 x 570 x 600	488 x 531 x 562	35	100	4	1
SL 060.059.UB.TR	590 x 570 x 600	488 x 531 x 562	35	100	4	1
SL 080.110.UB.2T	1100 x 570 x 800	all compartments: 489 x 530 x 762	68	100	12	3
SL 080.059.UB.TR	590 x 570 x 800	488 x 530 x 762	47	100	6	1
SL 080.059.UB.T	590 x 570 x 800	488 x 530 x 762	47	100	6	1
SL 060.110.UBM.2T	1104 x 576 x 601	all compartments: 489 x 531 x 562	64	100	9	2
SL 060.059.UBM.T	594 x 576 x 601	488 x 531 x 562	49	100	4	1
SL 060.059.UBM.TR	594 x 576 x 601	488 x 531 x 531	49	100	4	1
SL 196.120.MV.WDC	1200 x 605 x 1970	all compartments: 485 x 570 x 1869	218	300	31	10
SL 196.060.MH.WDC	597 x 603 x 1965	top: 485 x 570 x 914 bottom: 485 x 570 x 833	140	300	14	4
SL 080.110.UB.2TC	1100 x 570 x 800	all compartments: 489 x 530 x 762	73	300	12	3
SL 080.059.UB.TCR	590 x 570 x 800	488 x 530 x 762	48	100	6	1
SL 080.059.UB.TC	590 x 570 x 800	488 x 530 x 762	48	100	6	1

9.2. TABLE WITH STORAGE CAPACITIES

Legend for "Storage capacities" table



Load capacity (kg) of storage levels



Retention capacity (ltr)



Maximum container volume in the cabinet (ltr)

SL-LINE	1 pull-out shelf			2 Shelf with collecting sump with grid			3 Collecting sump with grid		
Interior equipment	1	2	2	1	2	3	1	2	3
SL 196.120.MV	25	70	70	11	33	68	10	30	61,5
SL 196.060.MH	25	70	70	11	33	68	10	30	61,5
SL 196.060.MH.R	25	70	70	11	33	68	10	30	61,5
SL 196.120.MV.WDC	25	70	70	11	33	68	10	30	61,5
SL 196.060.MH.WDC	25	70	70	11	33	68	10	30	61,5
SL 060.140.UB.3T	25			11			10		
SL 060.110.UB.2T	25			11			10		
SL 060.059.UB.T	25			11			10		
SL 060.059.UB.TR	25			11			10		
SL 080.110.UB.2T	25			11			10		
SL 080.059.UB.TR	25			11			10		
SL 080.059.UB.T	25			11			10		
SL 060.110.UBM.2T	25			11			10		
SL 060.059.UBM.T	25			11			10		
SL 060.059.UBM.TR	25			11			10		
SL 060.110.UB.2TC	25			11			10		
SL 060.059.UB.TC	25			11			10		
SL 060.059.UB.TCR	25			11			10		

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