

Installation and Operating Instructions

EN91U:063-060

EN91U:063-060-1A

EN90U:063-060-1AFS

EN92U:063-110

EN92U:063-110-1A

EN90U:063-110-1AFB

EN90U:063-110-2AFS

EN91U:063-110-1AFSL

EN91U:063-110-1AFSR

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Dear Customer, Dear Customer,

You have opted for a high-quality PRIORIT product.

Thank you.

Please follow the following operating instructions carefully so that we can guarantee perfect functioning of the entire system.

We cannot provide any guarantee if you fail to comply with the instructions.

We expressly reserve the right to make technical changes, even without separate announcement, which serve to improve our product or which are caused by changes in legislation.

These operating/installation instructions may not be reprinted or reproduced – even as excerpts – without the written consent of PRIORIT AG.

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Email: info@priorit.de, www.priorit.de

1 Important information



The product must be installed plumb and horizontal!

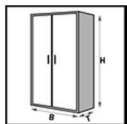


When putting down component parts, do not place them on the corners and lay soft material on the storage area first, e.g. transit blanket!



Caution in the area of the guide rails - hand injuries can occur while actuating the pull-out shelf.

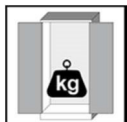
Signets key



Outside dimensions



Total weight when empty Max.



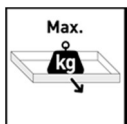
Max. weight



Volume and pressure loss at 10-

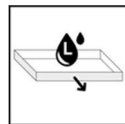


fold air exchange

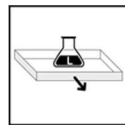


Max. load, pull-out shelf

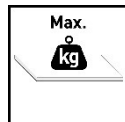
Safety storage cabinet to EN
Max. container size, bottom shelf 14470-1



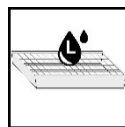
Pull-out shelf containment
volume



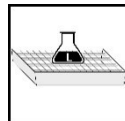
container size, pull-out shelf



Max. load bottom tray/pull-out
tray



Bottom tray containment volume



1.1 General safety instructions

- The operating / installation instructions must be kept in the place in which the product is used at all times.
- Legally stipulated safety instructions must be attached in a place visible to the users.
- All safety instructions and hazard warnings and the nameplate must be kept in a legible condition.
- Use the product only if it is in proper condition.
- Note the technical details of the respective product given in our catalogue or data sheet.
- Improper use can impair the protective function.
- Follow all information and instructions in these operating and installation instructions.
- An exhaustive list of all relevant regulations, guidelines and directive would go beyond the scope of this document. You must therefore check that your facility conforms to the relevant regulations.

1.2 Intended use

- The product described in these operating / installation instructions is built to state-of-the-art standards and the recognised rules of safe practice.
- They may only:
 - be used for their intended purpose and
 - only in a perfect, safe condition.
- Any other use is deemed not to be as intended and is therefore improper. PRIORIT is not liable for the resulting damage and any consequential damage.

1.3 Functional test, safety check, care and maintenance

PRIORIT safety cabinets are safety systems.

According to §4, Para. 3 of the German Workplace Regulations (Arbeitsstättenverordnung ArbStättV), §10 of the German Health and Safety at Work Regulations (Betriebssicherheitsverordnung) and the safety regulations of the associations responsible for industrial safety (Berufsgenossenschaftlicher Regel) BGR 234, a safety test must be performed by a competent person at least 1x yearly.

PRIORIT offers both individual inspections and maintenance agreements.

Daily check:

- The pull-out tray/s should be checked for damage daily
- Liquids must be mopped up immediately and disposed of properly

Monthly check:

- Locking systems (cylinder lock)
- Pull-out tray hold-open device
- Self-closing pull-out tray
- Correct fit and condition of the fire-resistant seals
- Inside of the exhaust and supply air opening

1.4 Warranty, declaration of transfer

To ensure our products function optimally, the installation instructions must always be followed.

PRIORIT does not provide any guarantee for damage to other equipment or fixtures & fittings that can occur due to installation or use of the product.

The PRIORIT warranty covers the delivered products.

Changes or alterations to the design or construction may only be made following consultation with PRIORIT, as otherwise the approval/warranty expires.

The warranty for installation work must be provided by the installer.

Warranty and liability claims for personal injuries and damage to property are excluded, if they are due to one or several of the following causes:


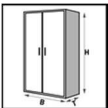


- improper installation, commissioning, operation and maintenance,
- disregard of the instructions regarding transport, storage, operation and installation,
- improper repairs or
- disasters due to third party interference or force majeure.

1.5 Industrial property rights


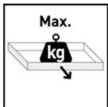
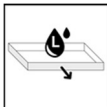
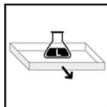
Utility model specifications have been registered with the German Patent Office to safeguard innovation and design

2 Technical Data


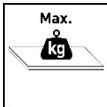
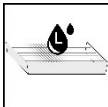
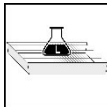
2.1 General

 Art.	 HxWxD		
EN91U:063-060	630 x 600 x 570	150	225
EN91U:063-060-1A	630 x 600 x 570	150	225
EN90U:063-060-1AFS	630 x 600 x 570	150	210
EN92U:063-110	630 x 1100 x 570	235	310
EN92U:063-110-1A	630 x 1100 x 570	235	310
EN90U:063-110-1AFB	630 x 1100 x 570	235	295
EN90U:063-110-2AFS	630 x 1100 x 570	250	370
EN91U:063-110-1AFSL	630 x 1100 x 570	250	385
EN91U:063-110-1AFSR	630 x 1100 x 570	250	385

2.2 Pull-out shelves

 Art.			
EN91U:063-060-1A	75	9	8
EN90U:063-060-1AFS	60	22	19
EN92U:063-110-1A	75	23	21
EN90U:063-110-1AFB	60	49	44
EN90U:063-110-2AFS	60+60	22+22	19
EN91U:063-110-1AFSL	60	22	19
EN91U:063-110-1AFSR	60	22	19

2.3 Bottom tray/pull-out trays

 Art.			
EN91U:063-060	75	10	9
EN92U:063-110	75	21	19
EN91U:063-110-1AFSL	75	10	9
EN91U:063-110-1AFSR	75	10	9

Subject to change without notice!

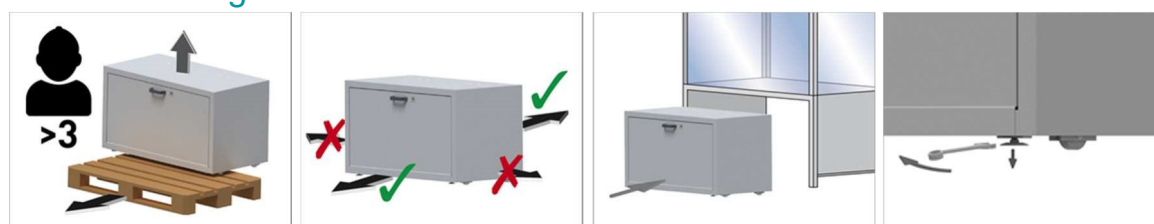
3 Transport



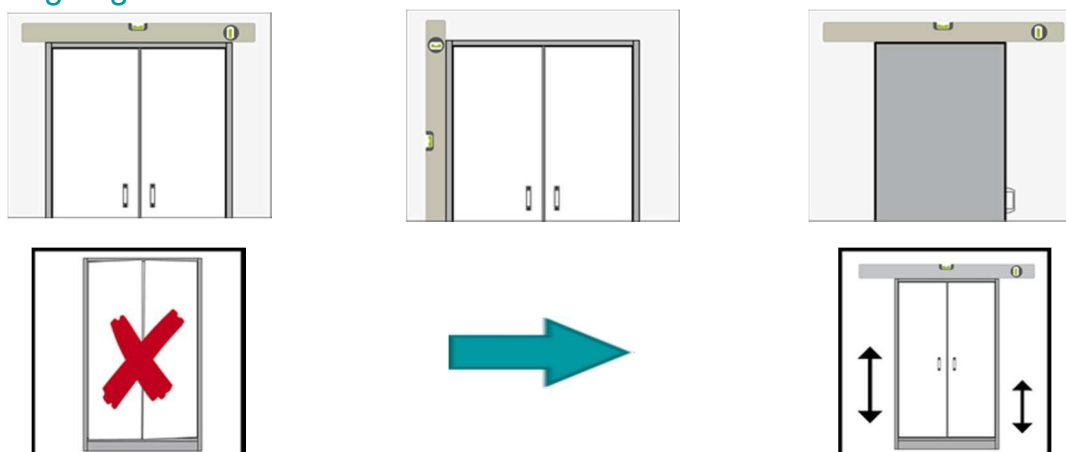
Use a pallet truck to transport the housing in an upright position, lashed and secured against slipping to its final place of installation. The transport locking device in the door joints must not be removed until the cabinet is directly in the place of installation! Improper transport can cause concealed damage to the fire insulation!

4 Installation/commissioning

4.1 Positioning the cabinets



4.2 Aligning the cabinets



4.3 Changing the position of the cabinets



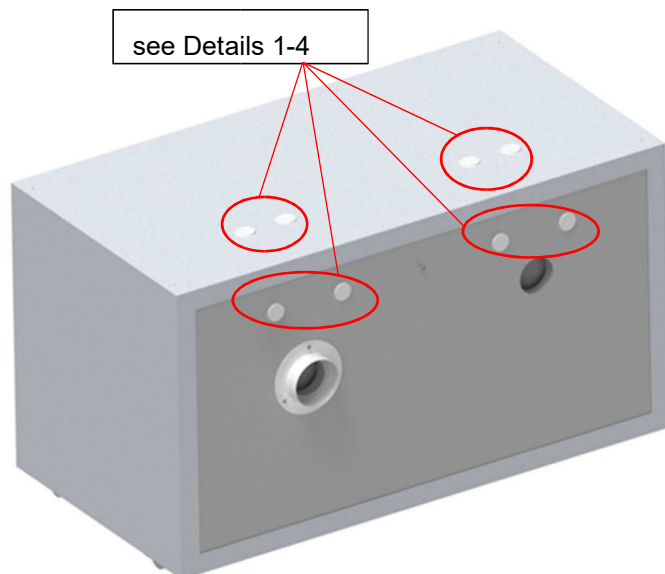
Subject to change without notice!

5 Removal/disposal leadthroughs

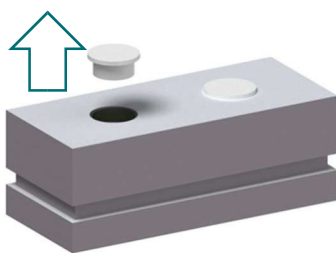
The product is fitted with removal/disposal leadthroughs as a standard feature. These are located in the top cover and in the rear panel and marked, as an example, with red circles on the figure to the right. The leadthroughs can be fitted with pipes \varnothing 0 - max. 29mm. If the leadthroughs used are no longer required, the original condition must be restored.

Cabinet type	Top cover	Rear panel
"600 wide"	2	2
"1100 wide"	4	4

Number of leadthroughs:



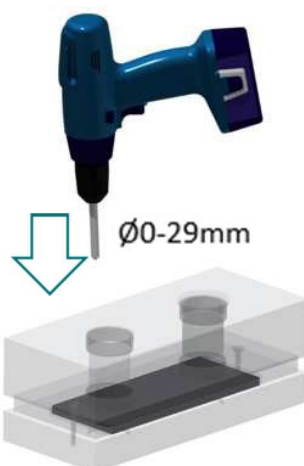
Details



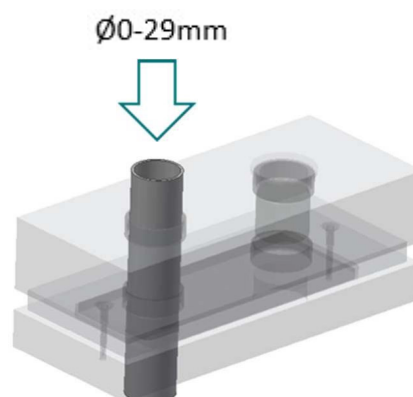
1



2



3



4



The fire-resistant seals must not be damaged when installing pipes!

Subject to change without notice!

5.1 Pipes/hoses/cables



To ensure safety and the certification of the product, only the accessories listed in the following may be used!

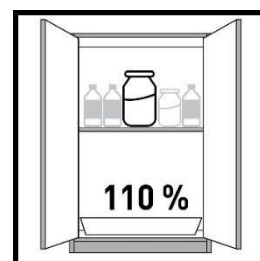
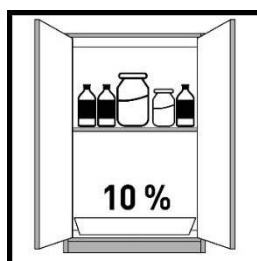
Description	Material	Example dimensions
Conductive plastic hose, flexible (spiral)	Electrically dissipative PE-HD / PFA	9 mm ID, 13 mm OD
Conductive plastic hose, smooth	Electrically dissipative PE-HD	10 mm ID, 12 mm OD
		8 mm ID, 10 mm OD
		6 mm ID, 8 mm OD
		4 mm ID, 6 mm OD
Corrugated hose, flexible, for leak connections of diverse HPLC units	PE	6.5 mm ID
Capillary	PTFE (Teflon) /PP	1.6 mm ID, 3.2 mm OD
		1.7 mm ID, 2.3 mm OD
		1 mm ID, 1.6 mm OD
Cabinet leadthrough GL 25 (m) / GL 25 (m)	PE-HD	29mm OD
Switch contact cable (to the level control)		≤ Ø5mm

(ID=inside diameter, OD=outside diameter)

6 Bottom tray

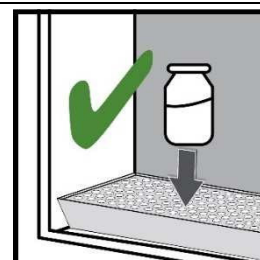
According to EN 14470-1:

A bottom tray (spill containment sump) must be installed underneath the lowest shelf/standing level. The bottom tray must have a minimum containment volume of 10% of all containers stored in the cabinet, or at least 110% of the volume of the largest single container, depending on which volume is the larger.



Attention:

The bottom tray may only be used as a standing area in conjunction with a perforated sheet insert.



7 Storage

- Containers with aggressive chemicals (acids and alkaline solutions) must be placed in special acid, alkaline solution cabinets or acid, alkaline solution compartments and in safety storage cabinets with metal-free interior fitout.
- Stored corrosive liquids can impair the function of the supply air and exhaust shut-off devices.
- Each container placed in the cabinet reduces minimum containment volume required in section 6 in relation to the total stored quantity.

8 Closing function

Art.	Fig.1	Fig.2	Fig.3	Fig.4	Fig.5
EN91U:063-060	-	-	✓	✓	✓
EN91U:063-060-1A	-	-	✓	✓	✓
EN90U:063-060-1AFS	✓	✓	-	-	✓
EN92U:063-110	-	-	✓	✓	✓
EN92U:063-110-1A	-	-	✓	✓	✓
EN90U:063-110-1AFB	✓	✓	-	-	✓
EN90U:063-110-2AFS	✓	✓	-	-	✓
EN91U:063-110-1AFSL	✓	✓	✓	✓	✓
EN91U:063-110-1AFSR	✓	✓	✓	✓	✓

Fig.1 The pull-out shelves close automatically in case of fire

Fig.2 Pull-out shelves with end stop and hold-open

Fig.3 The doors close automatically in case of fire

Fig.4 Doors with hold-open

Fig.5 Lock status indicator (green = open / red = closed)



In general, cabinets for the storage of hazardous substances must be kept closed when they are not in use. The pull-out shelves/doors can be locked by means of a lock cylinder to protect them from unauthorised access.



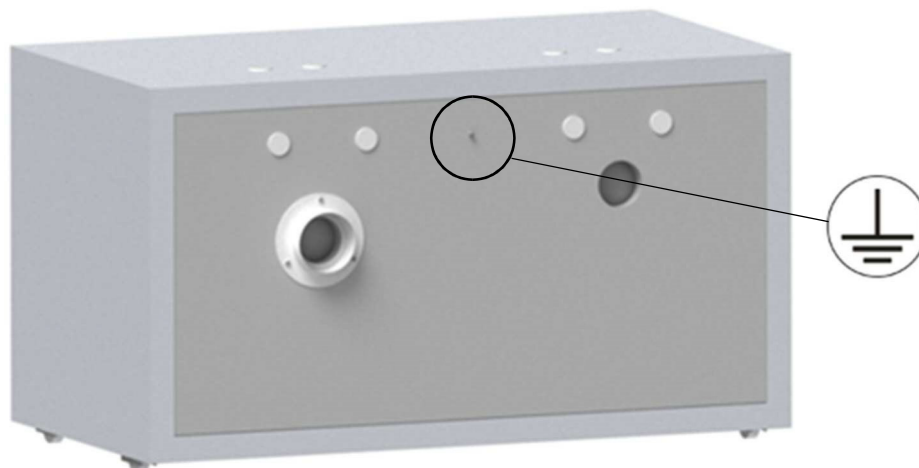
The closing force and/or closing speed of the door closer/s may only be changed by authorised skilled personnel.

Subject to change without notice!

9 Earthing



An earthing connection is required depending on the customer's specific use of the product. The decision is made following risk analysis by the customer.



Earthing during filling/transfer work:

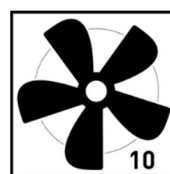
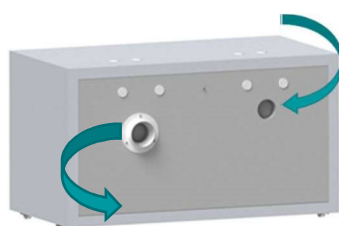
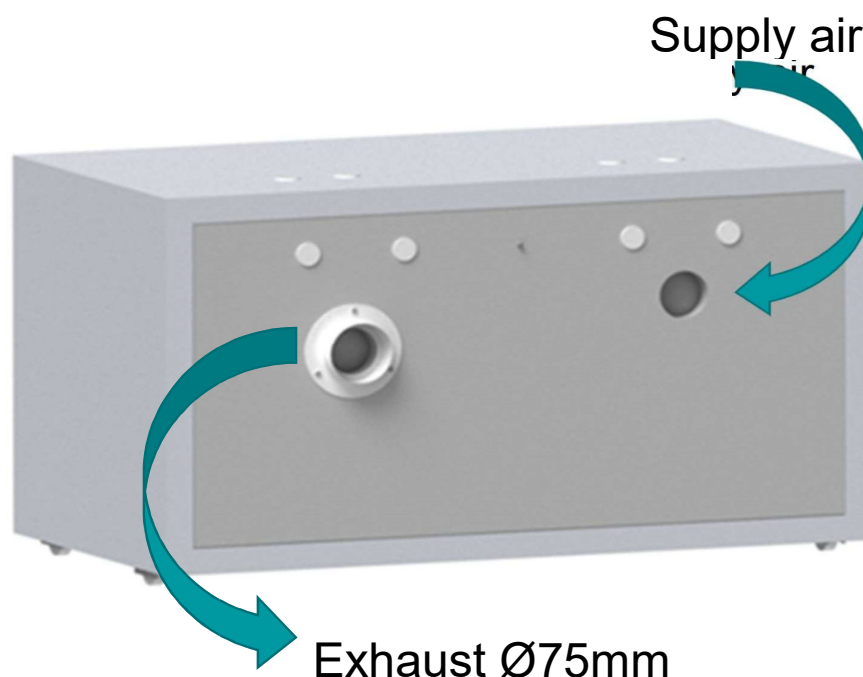
Connection to equipotential bonding is absolutely necessary. To this end, the PRIORIT safety storage cabinets listed below are equipped with earth terminals as a standard feature; these must be connected to the transfer container.



<i>EN91U:063-060</i>	1
<i>EN91U:063-060-1A</i>	1
<i>EN90U:063-060-1AFS</i>	1
<i>EN92U:063-110</i>	1
<i>EN92U:063-110-1A</i>	1
<i>EN90U:063-110-1AFB</i>	1
<i>EN90U:063-110-2AFS</i>	2
<i>EN91U:063-110-1AFSL</i>	2
<i>EN91U:063-110-1AFSR</i>	2

Subject to change without notice!

10 Ventilation



	Volume m³/h	Pressure loss Pa
<i>EN91U:063-060</i>	approx. 2.3	approx. 1
<i>EN91U:063-060-1A</i>	approx. 2.3	approx. 1
<i>EN90U:063-060-1AFS</i>	approx. 2.3	approx. 1
<i>EN92U:063-110</i>	approx. 2.3	approx. 1
<i>EN92U:063-110-1A</i>	approx. 2.3	approx. 1
<i>EN90U:063-110-1AFB</i>	approx. 2.3	approx. 1
<i>EN90U:063-110-2AFS</i>	approx. 2.3	approx. 1
<i>EN91U:063-110-1AFSL</i>	approx. 2.3	approx. 1
<i>EN91U:063-110-1AFSR</i>	approx. 2.3	approx. 1



Proper connection to a ventilation system must be checked (e.g. by means of a smoke detector tube). In general, these products can also be operated without forced ventilation; however, it must then be noted that the immediate surroundings of the product can become a hazardous area (potentially explosive atmosphere). The user must attach a marking to the product if it is operated without exhaust connection.

Subject to change without notice!

11 Fire/Disposal

11.1 Opening the product after the fire



Depending on the fire duration, an ignitable vapour-air mixture may have formed; therefore, all ignition sources over a large area around the product must be removed. After a fire, the product must not be opened until after a time equal to 6 times the fire duration. Use spark-free tools only to open the cabinet with absolute caution.

11.2 Disposal



The products can be disposed of according to material type. There are no components present that must be disposed of as hazardous waste.