Operating instructions (original)
Material lock Classic

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1 Product and manufacturer

1.1 Product

The following product is described in these operating instructions:

Material lock Classic.

1.2 Manufacturer

Name and address	deconta GmbH Im Geer 20 46419 Isselburg
Telephone	02874/9156-0
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1.3 Change index

date	Version	Amendment	Responsible
07.11.2023	2	Complete revision	Thomas Boland

2 About these operating instructions

To ensure proper and safe use of the airlock, follow the descriptions and recommended actions in these operating instructions.

Keep these operating instructions for future reference until the airlock has been disposed of.

2.1 Purpose

These operating instructions contain information on the safe, trouble-free and economical use of the airlock.

This information is intended for persons who carry out tasks with or in connection with the airlock.

2.2 Availability

The operator shall make these operating instructions or extracts thereof available to persons who carry out tasks with or in connection with the interlock.

The operator must keep these operating instructions or extracts thereof in the immediate vicinity of the lock.

If the lock is handed over to another person, the operator will pass these operating instructions on to that person.

2.3 Warnings

These operating instructions may contain warnings that warn of residual dangers.

The categorisation of the warnings is based on the severity of the damage that can occur if the warnings are ignored and the recommended actions are not followed.

2.3.1 Warning words and warning colours

Warnings are introduced with one of the following warning words and marked with a corresponding warning colour.

Warning word	Meaning	Warning colour
DANGER	Consequence of non-compliance: Death or serious injury.	GEFAHR
WARNING	Consequence of non-compliance: Death or very serious injuries possible.	WARNUNG
CAUTION	Consequence of non-compliance: Serious or minor injuries possible.	VORSICHT
NOTE	Consequence of non-compliance: Material damage or environmental damage possible.	HINWEIS
SAFE HANDLING	Implement the following instructions.	-

2.3.2 Structure

Warnings are structured according to the SAFE method:

S	Warning word (DANGER; WARNING, CAUTION or NOTICE)
A	Type and source of danger Description of the hazard and the cause of the hazard
F	Consequence Description of the possible consequences of the hazard for humans, animals and the environment
E	Escape Recommendations on how hazards can be avoided

2.4 Symbols

The following symbols are used in these operating instructions.

2.4.1 Warning signs

The warning sign is a safety sign that warns of a risk or danger.

The following table provides an overview of the warning signs used and their meaning.

Symbol	Meaning	Symbol	Meaning
	General warning sign		

2.4.2 Instruction sign

The instruction sign is a safety sign that prescribes certain behaviour.

The following table provides an overview of the instruction symbols used and their meaning.

Symbol	Meaning	Symbol	Meaning
	Wear safety shoes		Use protective clothing

3 Description of the

This section contains information on understanding the airlock.

3.1 General description

General description of the product

The lock was designed and built by the company deconta GmbH, Im Geer 20, 46419 Isselburg.

When carrying out remediation work in enclosed spaces, it is important to prevent pollutants from leaving the remediation area in an uncontrolled manner and thus posing a risk to people and the environment.
For this reason, remediation areas are separated from the pollutant-free areas and kept under dynamic negative pressure using Negative pressure units.
The Classic material airlock enables material to be transferred in and out and cleaned off without endangering the environment.
The airlock is designed according to the modular system and can be adapted to almost any requirement. Connecting identical roof and floor elements also allow the existing system to be extended at a later date and existing parts to continue to be used. An extension with any number of chambers is possible at any time.

3.2 Scope of delivery

The scope of delivery of the lock includes the following items:

- Material lock, number and size of chambers depending on design
- Operating instructions

3.3 Return delivery after termination of a rental

For the protection of our customers and in accordance with the dangerous goods transport regulations, we must insist on the following return delivery conditions:

- As listed above
- Thoroughly cleaned (ready for use)
- Free from any adhesive residue
- Without residual fibre bonding
- Without damage

3.4 Operating modes

3.4.1 Available operating modes

Type of utilisation

The airlock is intended exclusively for use in the following types of utilisation.

Use for other types of utilisation is not in accordance with the intended purpose.

User groups

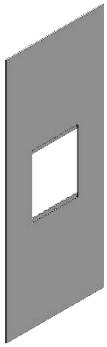
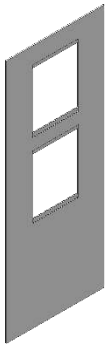
- Commercial users

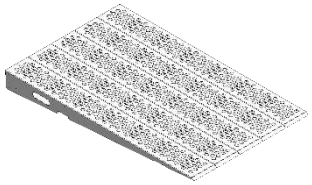
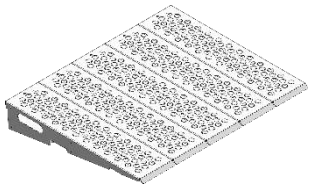
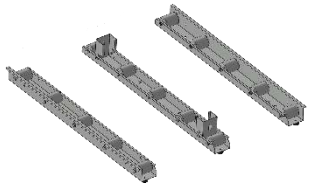
Utilisation environment

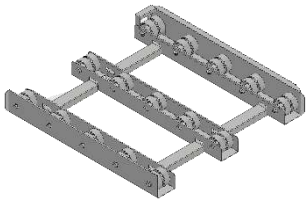
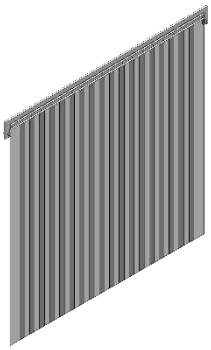
- outdoors
- on roofed areas
- in rooms closed on all sides

3.5 Accessories

The following accessories are optionally available for the material lock:

Designation	Article no.	Illustration
Wall unit with 1x connection at the top or bottom	BO17601	
Wall element with 1x connection in the centre	BO17603	
Wall unit with 2x connection at top or bottom and centre	BO17612	
Wall element with 2x connection at top and bottom	BO17610	

Wall with hose connection	BO1081b	
Ramp 1400mm long	BO3111	
Ramp 700mm long	BO3111a	
Roller conveyor gratings	BO21602	

Roller conveyor for floor gratings	BO2403	
Flaps" vertical blind	Model 1000 BO6490a	
	Model 2000 BO6490	

4 Technical data

4.1 Dimensions 2-chamber airlock

	Length x width x height (mm)
Model 1000	2090 x 1045 x 2168
Model 2000	2090 x 2090 x 2168

4.2 Weights 2-chamber airlock

	Weight (kg) without transport device
Model 1000	approx. 300
Model 2000	approx. 480

4.3 Roller shutter opening light

	Width x height (mm)
Model 1000	655 x 1730
Model 2000	1700 x 1730

4.4 Water connections

Freshwater connection (roof element) Geka ½"

Wastewater connection (floor element) Geka ¾"

5 Security

This section contains information on the protection of humans, pets, farm animals and the environment.

5.1 Intended use

The airlock is intended exclusively for the following use:

Intended use

When carrying out remediation work in enclosed spaces, it is important to ensure that pollutants do not leave the remediation area in an uncontrolled manner and thus pose a risk to people and the environment.
For this reason, remediation areas are separated from the pollutant-free areas and kept under dynamic negative pressure using Negative pressure units.
The Classic material airlock enables material to be transferred in and out and cleaned off without endangering the environment.

The user must comply with the operating parameters specified in the operating instructions. The airlock may only be used in accordance with its intended purpose. Any other use beyond this is not in accordance with the intended purpose. The user is liable for any resulting damage or injuries of any kind.

5.2 Misapplication

Use of the lock for the following purposes is not permitted:

Reasonably foreseeable misuse

- Any application other than that described in the operating instructions
- Any use of the airlock other than that described under "Intended use" without the written consent of the manufacturer
- Operation outside the technical limits of use
- Unauthorised modifications or conversions and tampering
- Use, installation, operation, maintenance or repair in a manner other than described
- Work carried out by unqualified personnel
- Use of unsuitable or incompatible materials, operating or auxiliary materials or accessories
- Non-compliance with safety and operating instructions, occupational safety and accident prevention regulations or relevant statutory regulations
- Failure to promptly rectify faults that could jeopardise safety
- Use of non-original replacement parts or accessories that are not equivalent in quality and function
- Operating the airlock in a technically unsatisfactory condition, not being aware of safety and hazards and not observing all instructions in the documentation
- Use of the airlock in potentially explosive atmospheres

5.3 Notes on occupational health and safety

The operator of the lock is responsible for implementing the obligations arising from occupational health and safety. The health and safety regulations of the country in which the lock is used apply.

The obligations include the following points:

- make these operating instructions or extracts available to persons who carry out tasks with or in connection with the airlock
- Provide the applicable documents to these persons
- Instruction of persons with regard to the intended use and misuse
- Instruction of persons with regard to protective devices and supplementary protective devices
- Instruction of persons with regard to residual risks

This list is not exhaustive and does not claim to be complete.

6 Transport

This section contains information on transporting the airlock.

Transport is the relocation of the lock by manual or technical means.

6.1 Loss of warranty claims

The manufacturer's warranty is void in the following cases:

- In the event of modifications to the lock that have not been agreed with the manufacturer
- If the transport is not carried out properly

6.2 Transport

6.2.1 Transport space

The airlock is transported from one location to another.

6.2.2 Legislation

The lock is transported in accordance with the legal regulations of the country in which the lock is transported.

6.2.3 Qualification of staff

Persons transporting the lock must fulfil the following requirements:

Person	Required qualification
Freight forwarder	Completed training in transport and experience in transport
Logistician	Completed training and experience in transport

6.2.4 Warning of residual risks

Risk of crushing: Wear safety shoes to protect limbs from being run over.

6.2.5 Means of transport

A means of transport that fulfils the following requirements is needed for safe transport:

- The load-bearing capacity must be dimensioned so that the mass of the airlock can be safely accommodated.
- The size of the transport surface must be dimensioned so that the airlock can be placed safely on the transport surface without falling down.

The lock may fall down due to unintentional change of position when loading and unloading onto/from a means of transport.

7 Assembly

This section contains information on the safe installation of the airlock.

Do not operate the airlock if it is visibly damaged. Contact deconta GmbH immediately.

7.1 Preparation

Before the lock is installed:

- Determine the exact location and floor plan
- the surface must be even and clean

7.2 Structure using the example of a 2-chamber airlock model 2000

Align the floor elements flat in front of each other.

HINWEIS

The Geka wastewater connection of the floor elements should have the shortest route to the waste water filter system in order to avoid unnecessary hoses.

The mounting brackets of the base tray must be cleaned before inserting the door and side panels!

Load-bearing capacity of the individual floor elements:

max. 1000 kg

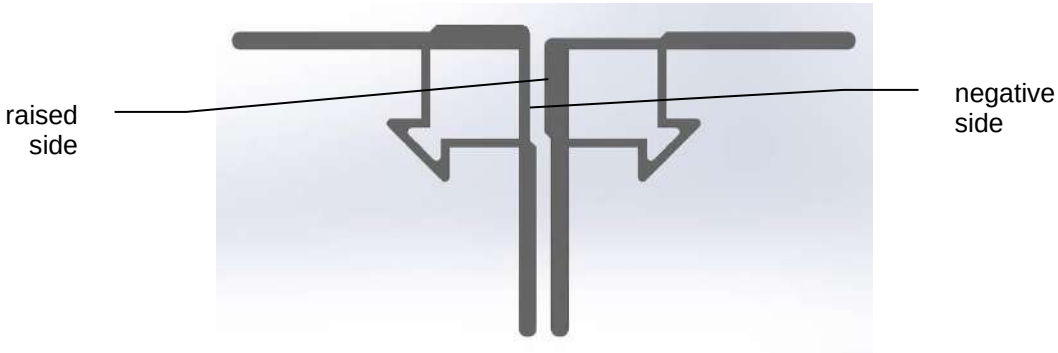
max. 500 kg

Insert the corner profile at the corner of a floor element into the mounting bracket and clamp the quick-release fastener attached to the end of the corner profile to the floor elements.

Insert the roller shutter guide and wall panel into the mounting brackets of the floor panel and the corner profile. Secure the roller shutter guide with wing screws / wing nuts.

Where two floor units are adjacent to each other, 2 corner profiles are used.

HINWEIS	Note the special profiling of the corner profiles. Place one raised and one negative side against each other as shown.



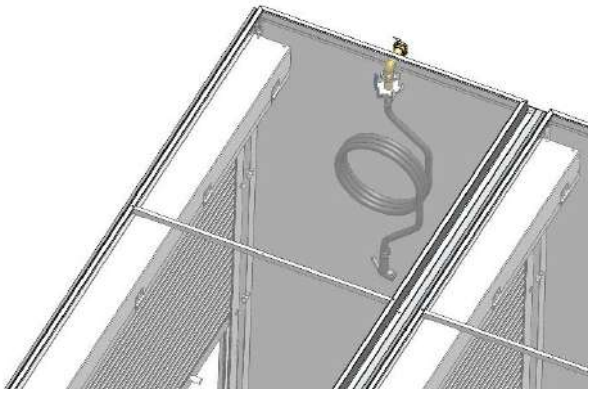
Insert the remaining wall units and roller shutter guides.

Insert the guide pins of the roller shutters into the roller shutter guides.

Position the roof elements and then secure them with quick-release fasteners.

Fit the hose connection flange.

Attach shower device.

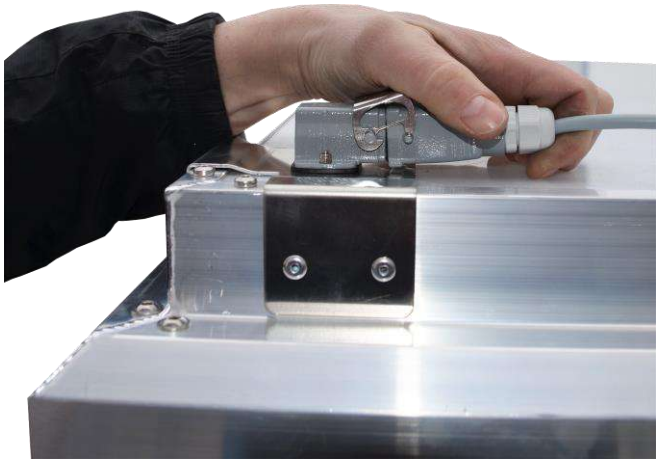


8 Commissioning with positive locking (option)

Set up the airlock as described under point 7.

Connect the cables of the three roller shutter guides to the plugs in the roof element from the inside.

Connect the supplied electrical cables to the three connections on the outside of the roof (where the plugs are also connected from the inside) and connect them to the forced locking control unit. It does not matter in which order the three plugs are connected to the control unit.



Switch the key switch on the front of the control unit to the "I" position. The positive locking control is now active.

The roller shutters are equipped with an emergency stop switch. The locking mechanism of the respective roller shutter is unlocked by pressing it. An acoustic signal sounds.

9 Commissioning with MZA 30 control unit (option)

See separate operating instructions for material lock control MZA 30.

10 Spare parts

Original spare parts should be used to ensure safe, trouble-free and economical use of the airlocks.

11 Maintenance

Daily maintenance

- Check the water pipes for free flow
- Clean the airlock area daily
- Clean the airlocks carefully with a damp cloth at the end of each shift
- Checking the floor elements for free flow

Commercially available household cleaners can be used for cleaning and care.

12 Possible faults and how to rectify them

Malfunction	Possible cause	Remedy
Difficulties when installing wall and floor elements	Recording angles are dirty	Clean pick-up angle
	Recording angles are bent	Set up the shooting angle
Tension fasteners too loose	Clamping length set incorrectly	recreate
Tension fasteners too tight	Clamping length set incorrectly	recreate

13 Storage

This section contains information on the safe storage of the airlock.

The lock is stored in the following cases:

- After decommissioning for a longer period of non-use
- After decommissioning for a relocation

13.1 Prerequisites

The following requirements must be met for storing the lock:

- Thoroughly cleaned (decontaminated)
- To prevent damage, the airlock may only be stored in dry rooms that are inaccessible to unauthorised persons

We expressly refer to possible additional regional and national regulations for the storage of the appliance technology.

14 Waste disposal

Disposal is the capture, collection, transformation, selection, processing, regeneration, destruction, utilisation and sale of the materials to be disposed of that are installed in the airlock.

This section contains information on the proper and professional disposal of the airlock.

14.1 Qualification of staff

Persons disposing of the airlock must fulfil the following requirements:

Person	Required qualification
Disposer	Qualified waste management company for legally compliant, proper and professional disposal of the airlock

14.2 Legislation

The airlock is disposed of in accordance with the legal regulations of the country in which the airlock is disposed of.

Compliance with these legal regulations is generally the responsibility of the operator of the airlock or the person authorised to dispose of the waste.

15 EC Declaration of Conformity

The manufacturer

deconta GmbH
Im Geer 20
46419 Isselburg

hereby declares that the following product

Product designation:	Material lock Classic Model 1000 / 2000
Trade name:	Material lock Classic

Description:

Material lock in a modular system for separating the contaminated and clean areas. Any number of chambers can be connected without special components and without tools.

complies with all relevant provisions of the applicable legislation (hereinafter), including any amendments thereto in force at the date of the declaration. The sole responsibility for issuing this declaration of conformity lies with the manufacturer.

The following legal provisions were applied:

RoHS Directive 2011/65/EU

The following harmonised standards were applied:

EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic equipment with respect to the restriction of hazardous substances (IEC 63000:2016)

Place: Isselburg

Date: 06.11.2023

Leiter Konstruktion / head of construction

Leiter Elektro / head of electro