


Operating Instructions (Original) SW 300 Wastewater Filtration System

Type 180724



Image showing optional coarse pre-filter

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1 Product and manufacturer

1.1 Product

This operating manual describes the following product:

SW 300 wastewater filter system

Serial number:

1.2 Manufacturer

Name and address	deconta GmbH Im Geer 20 46419 Isselburg
	
Telephone	02874/9156-0
Email	info@deconta.com
Website	www.deconta.com

1.3 Revision index

Date	Version	Change	Responsible
11 May 2026	1	Created	Thomas Boland

2 About this operating manual

To ensure the machine is used correctly and safely, follow the descriptions and recommendations in this operating manual.

Keep this operating manual for future reference until the machine has been disposed of.

2.1 Purpose

This operating manual contains information on the safe, trouble-free and economical use of the machine.

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

The following table provides an overview of persons and tasks.

Person	Task
Operator	<< Machine-specific >>
Health and Safety Officer	<ul style="list-style-type: none"> • Carry out a risk assessment • Draw up operating instructions • Train personnel
Maintenance technician	Maintenance of mechanical systems
Qualified electrician	Installation and maintenance of electrical equipment
Freight forwarder	Off-site transport of the machine
Transporter	In-house transport of the machine
Waste disposal contractor	Dispose of the machine in accordance with the law, properly and professionally

2.2 Availability

The operator must make these operating instructions, or extracts thereof, available to persons who carry out tasks on or in connection with the machine.

The operator must keep this operating manual or extracts from it readily available in the immediate vicinity of the machine.

When handing the machine over to another person, the operator must pass these operating instructions on to that person.

2.3 Warnings

This operating manual contains warnings that alert you to residual hazards.

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

2.3.1 Signal words and signal colours

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

Signal word	Meaning	Signal colour
DANGER	Consequence of non-compliance: Death or serious injury.	Red
WARNING	Consequences of non-compliance: Death or very serious injury is possible.	Orange
CAUTION	Consequences of non-compliance: Serious or minor injuries possible.	Yellow
NOTE	Consequences of non-compliance: Property damage or environmental damage possible.	Blue

2.3.2 Structure

Warnings are structured in accordance with the SAFE method:

S	Signal word (DANGER; WARNING, CAUTION or NOTE)
A	Type and source of the hazard Description of the hazard and its cause
F	Consequence Description of the potential consequences for humans, animals and the environment that may result from the hazard
E	Escape Recommendations on how to avoid hazards



2.4 Symbols

The following symbols are used in these operating instructions.

2.4.1 Warning symbol

The warning symbol is a safety symbol that warns of a risk or hazard.



The table below provides an overview of the warning symbols used and their meanings.

Symbol	Meaning	Symbol	Meaning
	Warning of electrical voltage		General warning sign

2.4.2 Instruction sign

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

The table below provides an overview of the instruction signs used and their meanings.

Symbol	Meaning	Symbol	Meaning
	Wear safety footwear		Use protective clothing

3 Description of the machine

This section contains information to help you understand the machine.

3.1 General description

General description of the product

The SW 300 wastewater filtration system was designed and manufactured by deconta GmbH, Im Geer 20, 46419 Isselburg.

Contaminated wastewater is cleaned via a 3-stage filter unit, consisting of a pre-filter and 2 fine filters. An additional coarse pre-filter can be fitted as an option.

The filter condition is monitored via a pressure gauge.

The entire unit is housed in a powder-coated enclosure with standard Geka connections.

3.2 Scope of delivery

The scope of delivery for the machine includes the following items:

- SW 300 wastewater filter system
- Filter
- Service Pack
- These operating instructions

3.3 Return of goods after the end of a hire period

To protect our customers and in accordance with dangerous goods transport regulations, we must insist on the following return conditions:

- As listed above
- Thoroughly cleaned (ready for use)
- Free of residual fibre
- Without filters
- Free from damage

3.4 Operating modes

3.4.1 Available operating modes

Type of use

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

Use for other purposes is not in accordance with the intended use.

User groups

- Commercial users

Operating environment

- In covered areas
- in fully enclosed rooms

Operating modes

Operating modes for use:

- Automatic mode
- Manual operation

3.5 Interfaces

This section contains information about interfaces.

The following interfaces are available on the machine:

Interfaces

- Human–product: Selector switch
- Product–power supply: 230 V electrical power supply
- Product–Waste: Geka connection for filtered wastewater to the sewerage system
- Product–material feed: Geka connection for contaminated water
- Product–floor: Wheels / feet

3.6 Type plate

The nameplate contains information for identifying the machine.

3.6.1 Design



Aluminium plate, riveted

3.6.2 Position

Near the controls

3.7 Accessories

The following accessories are available as options for the wastewater filter system:

Description	Item no.	Illustration
Wastewater hose 5m with Geka connection 3/4"	BU1504	
Wastewater hose with proximity switch	BU1629	

4 Technical data

4.1 Dimensions

- Length: 556 mm
- Width: 663 mm
- Height: 1061 mm

4.2 Dimensions

- Weight: approx. 28 kg

4.3 Wastewater pump

Self-priming and dry-run protected

- Voltage: 230V, 50Hz
- Power: 0.45 kW
- Max. flow rate: 30 l/min
- Max. fluid temperature: 90°C

4.4 Filter system

3-stage filter system

- Pre-filter: 10" 200- μ e (disposable)
- Optional coarse pre-filter: 200 μ m (reusable)
- Fine filter: 10" 50- μ s (disposable)
- Fine filter: 10" 1, μ s (disposable)
- Max. medium temperature: 50°C at 4 bar

Subject to technical changes

5 Safety

This section contains information on the protection of people, pets, livestock and the environment.

5.1 Intended use

The machine is intended exclusively for the following use:

Intended use

During remediation work in enclosed spaces, it is essential to prevent hazardous substances from leaving the remediation area uncontrolled, thereby posing a risk to people and the environment. For this reason, items leaving the remediation area via airlocks must be cleaned.

The deconta wastewater filtration system ensures the treatment (filtering) of the contaminated wastewater.

The user must adhere to the specified operating parameters in the operating instructions. The device must only be used for 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 injury of any kind.

Authorised persons

The following persons are authorised to handle the product:

- Qualified personnel
 - Task: Maintenance and servicing
 - Qualification: trained specialist personnel (fitters, industrial mechanics, electricians) with knowledge and experience in handling the machine
- Operating personnel
 - Task: Operation
 - Qualifications: Basic training, information provided in the operating instructions

Any other use is not in accordance with the intended purpose.

Area of application

The machine is intended for use in the following areas of application:

Area of application

- Renovations

5.2 Improper use

The machine must not be used for the following purposes:

Reasonably foreseeable misuse

- Any use other than that described in the operating instructions
 - Any use other than that described under "Intended use" Use of the machine without the manufacturer's written consent
 - Operation outside the technical operating limits
 - Unauthorised modifications or alterations, as well as tampering
 - Use, installation, operation, maintenance or repair in any manner other than that described
 - Work carried out by unqualified personnel
 - Use of unsuitable or incompatible materials, consumables, auxiliary materials or accessories
 - Failure to comply with safety and operating instructions, occupational health and safety or accident prevention regulations, or relevant statutory provisions
 - Failure to rectify faults that may compromise safety in a timely manner
 - Use of spare parts or accessories other than original ones, which are not equivalent in quality and function
 - Operating the machine when it is not in a technically sound condition, without due regard for safety and hazards, and without observing all instructions in the documentation
- Use in potentially explosive atmospheres

5.3 Duties and qualifications of personnel

Person	Task	Required qualifications
Operator	<< Machine-specific >>	Induction, training
Occupational safety specialist	<ul style="list-style-type: none"> • Carry out a risk assessment • Draw up operating instructions • Instruct personnel 	Completed training as an occupational safety specialist with recent experience of machinery
Qualified electrician	Installation and maintenance of electrical equipment	A person with appropriate training, relevant qualifications, recent experience and knowledge of the relevant regulations, enabling them to identify risks and prevent hazards that may arise from electricity.
Haulier	Off-site transport of the machine	A person with appropriate training, education, recent experience and knowledge of the relevant regulations, enabling them to transport machinery safely when it is not in operation.
Transporter	In-plant transport of the machine	A person with appropriate training, relevant qualifications, recent experience and knowledge of the relevant regulations, enabling them to transport machinery safely within the premises.
Disposal contractor	Disposing of the machine	Qualified waste disposal company for the legally compliant, proper and professional disposal of the machine

5.4 Health and safety information

The operator of the machine is responsible for fulfilling the obligations relating to health and safety. The health and safety regulations of the country in which the machine is used apply.

These obligations include, among other things, the following points:

- Provide this operating manual or extracts thereof to persons carrying out tasks with or in connection with the machine
- Provide these persons with the relevant documentation
- Instructing these persons on the intended use and misuse
- Instructing persons on safety devices and supplementary safety devices
- Instructing persons regarding residual risks

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

6 Transport

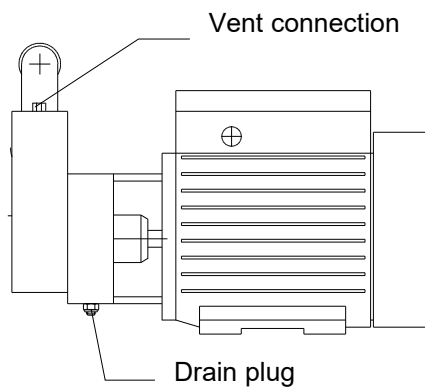
This section contains information on the transport of the machine both on and off site.

Transport refers to the movement of the machine by manual or mechanical means.

NOTE

In winter, due to the risk of frost, please note the following:

Drain the water pipes, tank, filter housing and pumps



6.1 Loss of warranty claims

The manufacturer’s warranty shall lapse in the following cases:

- If modifications are made to the machine without the manufacturer’s consent
- If the machine is not transported correctly

6.2 Transport outside normal operating conditions

6.2.1 Transport route

Off-site transport takes place in public areas. During this process, the machine is transported from one site to another.

6.2.2 Legal requirements

Off-site transport of the machine must be carried out in accordance with the legal regulations of the country in which the machine is being transported off-site.

6.2.3 Staff qualifications

Persons transporting the machine off-site must meet the following requirements:

Person	Required qualification
Freight forwarder	Completed training in transport and experience in the off-site transport of machinery
Logistics specialist	Completed training and experience in the internal transport of machinery

6.2.4 Warning regarding residual risks



Risk of crushing: Wear safety footwear to protect against limbs being run over.

6.2.5 Means of transport

For safe off-site transport, a means of transport is required that meets the following requirements:

- The load capacity must be sufficient to safely support the weight of the machine.
- The size of the transport surface must be such that the machine can be safely placed on the transport surface without falling off.



There is a risk of the machine falling due to an unintended change in position whilst being loaded onto or unloaded from a means of transport.

6.3 Internal transport

6.3.1 Transport area

During internal transport, the machine is moved from one location to another within the premises.

6.3.2 Legal requirements

Intra-site transport of the machine must be carried out in accordance with the legal regulations of the country in which the machine is being transported.

6.3.3 Warning regarding residual risks



Risk of crushing: Wear safety footwear to protect against limbs being run over.

6.3.4 Means of transport

For safe on-site transport, a means of transport is required that meets the following requirements:

- The load capacity must be sufficient to safely support the weight of the machine.
- The size of the transport surface must be such that the machine can be safely placed on the transport surface without falling off.



The machine may fall due to an unintended change in position during loading and unloading onto or from a means of transport.

7 Assembly

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

The wastewater filter system is delivered ready for operation ex works and is intended for immediate commissioning.

Do **not** put the unit into operation if there is visible damage. Contact deconta GmbH immediately.

8 Commissioning

This section contains information on commissioning the machine.

NOTE

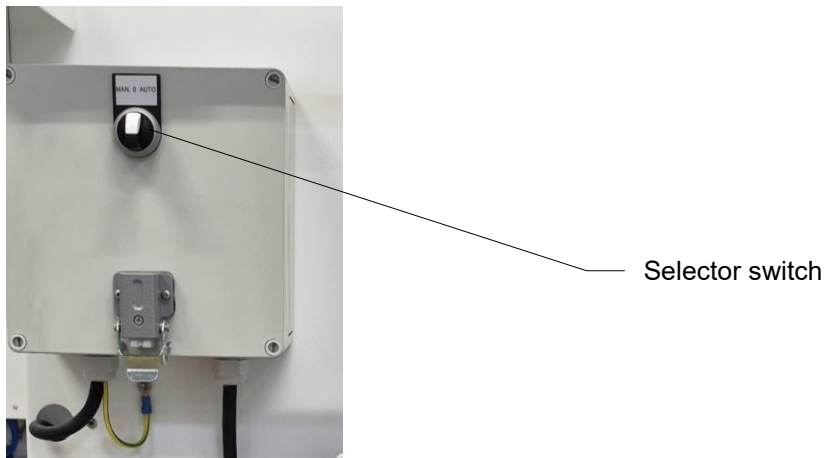
Before initial commissioning or after a prolonged period of inactivity, check whether the pump shaft can be turned by hand. To do this, insert a screwdriver into the notch at the end of the shaft and move the shaft. The high initial rotational resistance of the impeller in new pumps will decrease after running-in.



- Fill the sewage pump completely via the vent connection
- Tighten the union nuts on the filter housings **by hand**



- Connect the wastewater hose to the "IN" connection and connect it to the point of use
- Connect the "OUT" connection to the drain
- Connect to 230V power supply (Earth-connected plug)

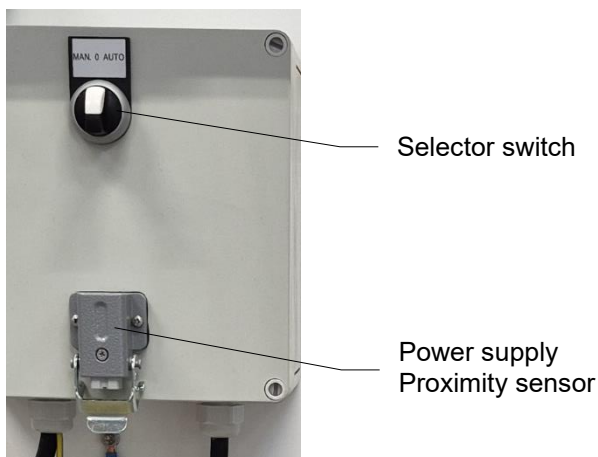


- Switch on the system (set the selector switch to the “MAN” position) and check whether the filter housings are filling with water

8.1 Commissioning with a wastewater hose fitted with a proximity sensor

A wastewater hose with proximity sensor is available as an option for electrical and automatic ON/OFF switching.

- Connect the wastewater hose with proximity sensor to the “IN” connection and connect it to the installation site
- Connect the power supply to the proximity sensor
- Connect the “OUT” connection to the drain
- Connect the 230V power supply (earth plug)



- Switch on the system (set the selector switch to the “AUTO” position)
The proximity sensor on the wastewater hose detects whether there is water in the hose and then switches the wastewater filter system on or off.
The sensitivity of the proximity sensor can be adjusted using the screwdriver supplied.

9 Operation

This section contains information on the safe use of the machine.

9.1 Staff qualifications

Persons operating the machine must meet the following requirements:

Person	Required qualifications
Operator	Induction, training by the manufacturer

9.2 Warning regarding residual risks



Contact with wires in a damaged mains connection cable.

Contact with machine parts that have become live due to faults.

Only operate the device on mains supplies that are protected by residual current circuit breakers!

CAUTION

Damage due to unsuitable mains voltage.

The device may be damaged if connected to an unsuitable mains voltage.

Check that the voltage stated on the type plate matches the local mains voltage.

CAUTION

Never operate the appliance without water!

If there is a risk of frost, empty the appliance!

9.3 Number of people

One person is required to operate the machine.

9.4 Tools required

No tools are required to operate the machine.

9.5 Required aids

No aids are required to operate the machine.

10 Maintenance

This section contains information on the safe maintenance of the machine.

Maintenance comprises all technical and organisational measures throughout the machine's life cycle that ensure the machine remains in a safe, economical and functional condition and prevent environmental damage.

10.1 Loss of warranty claims

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

- If modifications are made to the machine without the manufacturer's consent
- If maintenance is not carried out correctly

10.2 Maintenance

Maintenance work, including the replacement or removal of filters, must only be carried out by authorised personnel wearing suitable protective clothing.

The unit must be completely disconnected from the mains supply for all repair and maintenance work.

We expressly draw your attention to possible additional regional and national regulations regarding the maintenance of the equipment.

10.2.1 Warning regarding residual risks

DANGER

Contaminated filters must only be replaced in compliance with all relevant safety precautions. Only replace filters when the appliance is switched off. Use only approved filters.



Unplug the mains plug before opening the housing

10.2.2 Required personal protective equipment



Maintenance work, including changing/removing filters, must only be carried out by authorised personnel wearing suitable protective clothing.

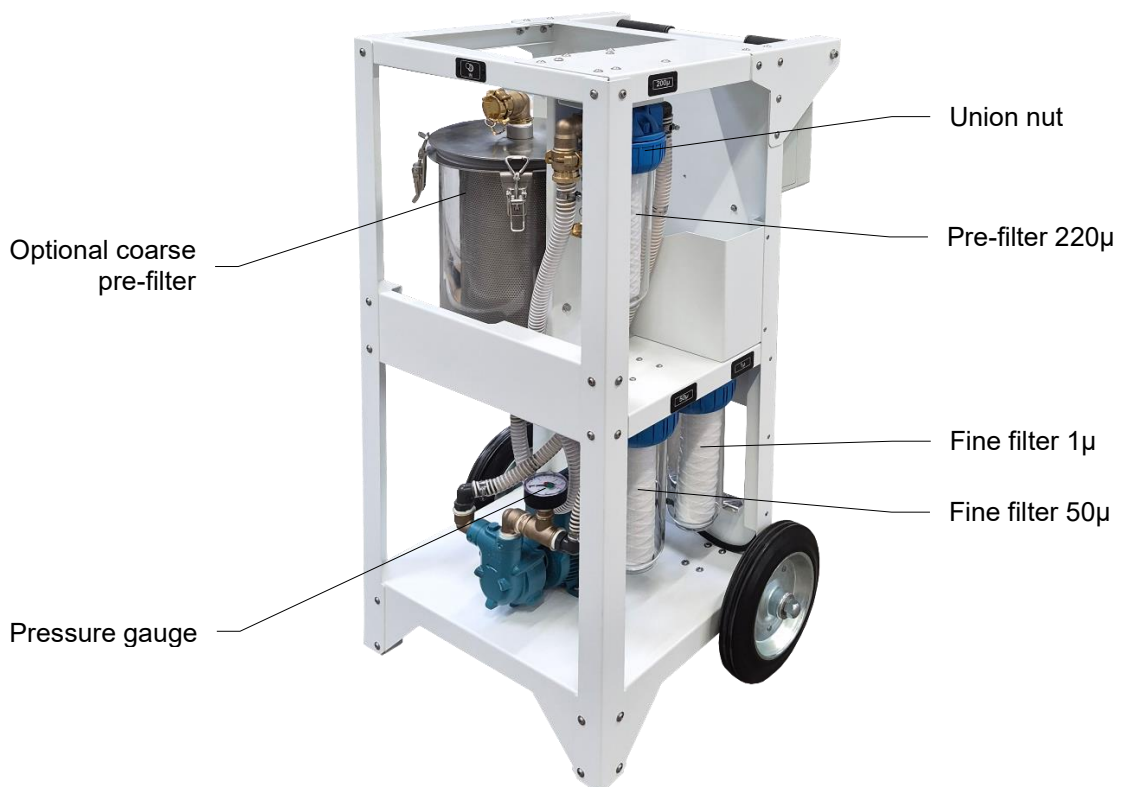
10.3 Daily maintenance

- Check the water pipes for unobstructed flow
- Visual inspection of the filters for contamination

10.4 Filter replacement

Caution:

- Only change the filters when the appliance is switched off
- Remove dirty filters whilst they are still damp to prevent the release of filter dust
- Only use approved filters
- Damaged filter cartridges must not be used



The fine filters are monitored via the pressure gauge. We recommend changing the filter at approx. 3 bar.

- Loosen the union nut using the filter head wrench supplied
- Remove the filter and dispose of it in accordance with regulations
- Insert a new filter cartridge
- Ensure the sealing ring is correctly seated and clean
- Tighten the union nut **by hand**

DANGER

Suction hoses, pumps, filter housings and filters become contaminated as soon as they are first used. Repairs and maintenance work must only be carried out in compliance with all relevant safety measures.

The filters must be disposed of in accordance with legal requirements.

10.4.1 Filter replacement: Bag filter

The bag filter used in the optional coarse pre-filter can be removed, cleaned and reused if it becomes dirty.

DANGER

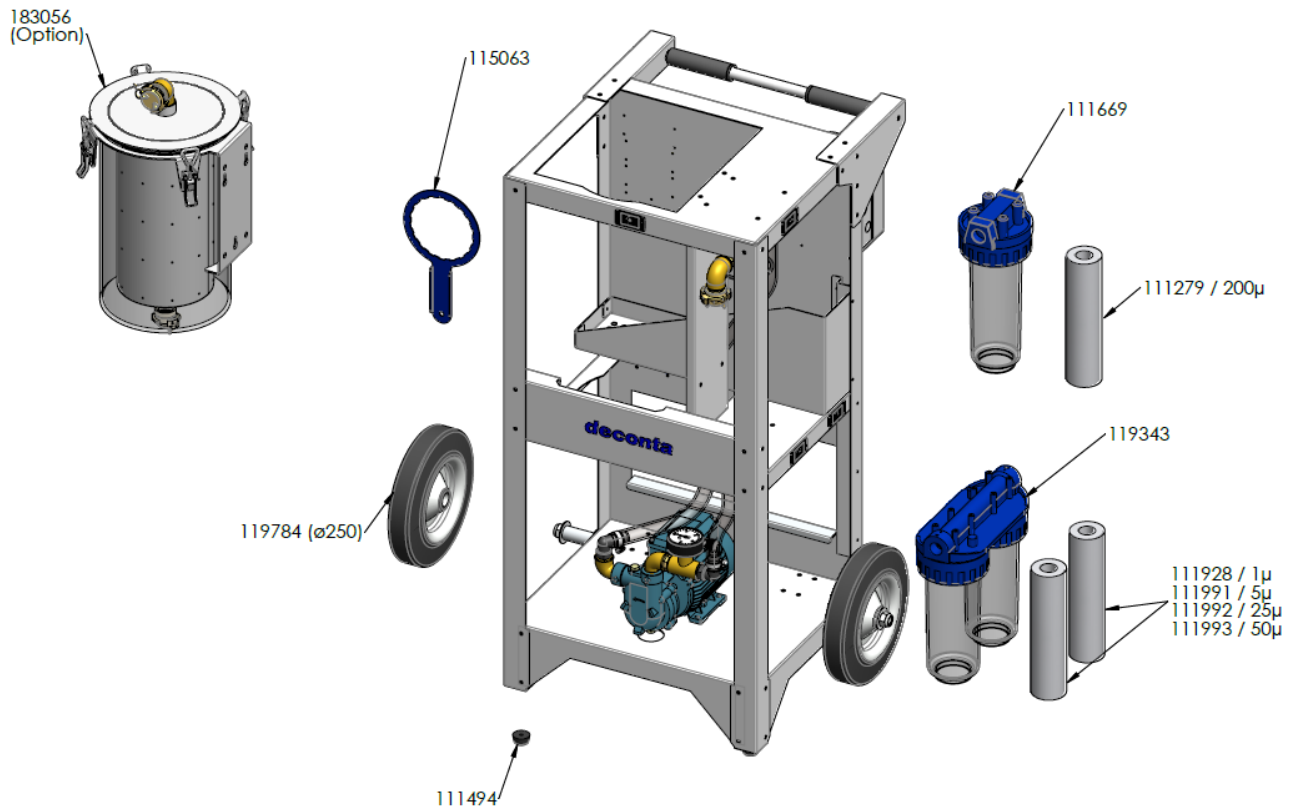
Suction hoses, pumps, filter housings and filters become contaminated as soon as they are first used. Repairs and maintenance work must only be carried out in compliance with all relevant safety measures.

The filters must be disposed of in accordance with legal regulations.

11 Spare parts

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

If this is not possible, alternative spare parts should correspond to the characteristics of the original spare parts to ensure the safe, trouble-free and economical use of the machine.



12 **Cleaning**

The device must be cleaned and rinsed before each use (including the first use). This also applies to the optionally available water hoses.

After use, the hoses must be thoroughly rinsed, disinfected and completely emptied or dried.

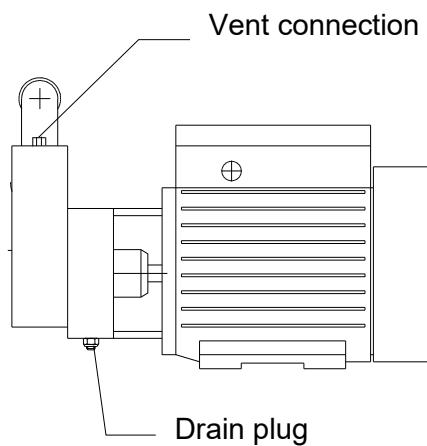
13 **Storage**

To prevent damage, the device must only be stored in dry rooms that are inaccessible to unauthorised persons.

NOTE

In winter, due to the risk of frost, please note the following:

Drain water pipes, filter housings, the tank and pumps



The optional hoses must only be stored once they have been completely emptied and cleaned!

When storing, care must be taken to ensure that contamination with other substances is prevented. Wastewater hoses must be stored separately from freshwater hoses.

14 Disposal

Disposal refers to the collection, sorting, processing, regeneration, destruction, recycling and sale of the materials to be disposed of that are incorporated into the machine.

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

14.1 Staff qualifications

Persons disposing of the machine must meet the following requirements:

Person	Required qualification
Disposal contractor	Qualified waste disposal company for the legally compliant, proper and professional disposal of the machine

14.2 Legal requirements

The machine must be disposed of in accordance with the legal regulations of the country in which it is being disposed of.

Compliance with these legal requirements is generally the responsibility of the machine operator or the person commissioned to carry out the disposal.

14.3 Waste

Waste generated by the machine must be disposed of in a legally compliant, proper and professional manner.

15 EC Declaration of Conformity

The manufacturer

deconta GmbH
Im Geer 20
46419 Isselburg

hereby declares that the following product

Product name: SW 300
Model number: 180724
Serial number: see type plate
Trade name: SW 300 Wastewater Filtration System
Year of manufacture: see type plate
Description:

SW 300 wastewater filter system

complies with all relevant provisions of the applicable legislation (as set out below) – including any amendments in force at the time of this declaration. The manufacturer bears sole responsibility for issuing this Declaration of Conformity. This declaration relates only to the machine in the condition in which it was placed on the market; parts subsequently fitted by the end user and/or subsequent modifications are not taken into account.

The following legislation has been applied:

Machinery Directive 2006/42/EC
RoHS Directive 2011/65/EU

The protection objectives of the following additional legal provisions have been met:

Low Voltage Directive 2014/35/EU

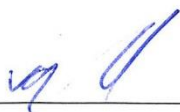
Name and address of the person authorised to compile the technical documentation:

Boland, Thomas – deconta GmbH, Im Geer 20 – 46419 Isselburg

The following harmonised standards have been applied:

EN 60204-1:2018	Safety of machinery – Electrical equipment of machines – Part 1: General requirements (IEC 60204-1:2016 (modified))
EN ISO 12100:2010	Safety of machinery – General principles for design – Risk assessment and risk reduction (ISO 12100:2010)
EN ISO 13849-1:2023	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (ISO 13849-1:2023)
EN ISO 13849-2:2012	Safety of machinery – Safety-related parts of control systems – Part 2: Validation (ISO 13849-2:2012)
EN ISO 13857:2019	Safety of machinery — Safety distances to prevent the upper and lower limbs from reaching hazardous areas (ISO 13857:2019)

Location: Isselburg Date: 03/03/2026



Leiter Konstruktion / head of construction



Leiter Elektro / head of electro