Operating instructions (original)
Water management SW 400 V

Type877 , 894

CE	deconta GmbH Im Geer 20 46419 Isselburg	Phone: 02874/9156-0 E-Mail: info@deconta.com Web: www.deconta.com	Language: EN Version: 1 Date of issue: 10.04.2026

1 Product and manufacturer

1.1 Product

These operating instructions describe the following product:

Water management SW 400 V.

Serial number:

1.2 Manufacturer

Name and address	deconta GmbH Im Geer 20 46419 Isselburg
Phone number	02874/9156-0
e-mail	info@deconta.com
Internet	www.deconta.com

1.3 Change index

Revision date	Version	Revision	Responsible
14.08.25	1	New creation	Thomas Boland

2 About these operating instructions

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

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

2.1 Purpose

These operating instructions contain 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 >>
Specialist for occupational safety	• Carry out risk assessment • Create operating instructions • Instruct persons
Maintenance staff	Maintenance of the mechanics
Qualified electrician (EFK)	Installation and maintenance of electrical equipment
Forwarder	External transport of the machine
Carrier	Internal transport of the machine
Disposer	Dispose of the machine in a legally compliant, proper and professional manner

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 machine.

The operator shall keep these operating instructions or extracts thereof within easy reach in the immediate vicinity of the machine.

When the machine is handed over to another person, the operator passes these operating instructions on to this person.

2.3 Warning notices

These operating instructions 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 Signal words and signal colours

Warnings are introduced with 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.	⚠ GEFAHR
WARNING	Consequence of non-compliance: Death or serious injury 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	Signal word (DANGER; WARNING, CAUTION or NOTE)
A	Type and source of danger Description of the hazard and the cause of the hazard
F	Consequence Description of the possible consequences for humans, animals and the environment that may result from the hazard
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 sign

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	Meaning
	Warning of electrical voltage		General warning sign
	Warning of hot surface Danger of scalding		

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 signs used and their meaning.

Symbol	Meaning	Symbol	Meaning
	Wear safety shoes		Use protective clothing
	Use hearing protection		

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 water management system was designed and built by deconta GmbH, Im Geer 20, 46419 Isselburg, Germany.

The deconta SW 400 V water management system heats the shower water and treats (filters) the contaminated wastewater.
The powder-coated aluminium housing contains the electronic instantaneous water heater, the wastewater pump and a 3-stage wastewater filter system.
The hot water outlet temperature of the shower water is infinitely variable with a maximum flow rate of 10 litres per minute.

3.1.1 Version with forced locking control

In this version, the control for the forced locking and forced shower of the deconta personnel shower is integrated in the water management system.

3.1.2 Version with radio control for automatic showering decoLINK

In this version, the shower process is automatically activated when leaving the work area through the airlock, triggered by radio reed contacts mounted above the shower doors.

3.1.3 Version with 2 wastewater pumps (type 894)

The C 400 V water management system can be equipped with a second wastewater pump. This draws the contaminated shower water through a separate pre-filter in parallel with the first wastewater pump and then pumps it through the two common fine filters. A typical application is a 5-chamber airlock with two shower chambers.

3.1.4 Instantaneous water heater

The instantaneous water heater is fully electronically controlled and heats the water as it flows through. The electronic regulation and control unit records the water flow rate, the inlet temperature and the outlet temperature set on the temperature selector knob. The microprocessor calculates the required value and switches on the corresponding heating power. When the hot water valve is closed, the heating is switched off automatically. The appliance essentially consists of the heating block, the power module, the electronic module and a safety temperature and pressure limiter.

Procedure for carrying out the risk assessment for machines

- Language of the risk assessment: German
- Risk assessment: EN ISO 12100 Safety of machinery - General principles for design - Risk assessment and risk reduction, three-stage iterative process for risk reduction in conjunction with Machinery Directive 2006/42/EC, Annex I, first general principle
- Risk assessment: DIN ISO/TR 14121-2 Safety of machinery - Risk assessment - Part 2: Practical guide and examples of procedures, 6.3 Risk graph; determination of the required performance level (PLr): EN ISO 13849-1 Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design; Determination of the SIL (Safety Integrity Level): EN 62061 Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems

3.2 Scope of delivery

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

- Water management SW 400 V
- filter
- Service pack
- Double-bit key for control cabinet
- Key for key switch (only for appliances with forced locking control)
- These operating instructions

3.3 Return delivery at the end of a hire period

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

- As listed above
- Thoroughly cleaned (ready for use)
- Without residual fibre binding
- Without filter
- Without 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 types of utilisation is not intended.

User groups

- Commercial users

Utilisation environment

- On roofed areas
- in rooms enclosed on all sides

Operating modes

Operating modes for utilisation:

- Automatic operation
- Manual operation

3.5 Interfaces

This section contains information about interfaces.

The following interfaces are available on the machine:

Interfaces

- Human - product: Main switch, key switch, button
- Product - power supply: 400 V electrical power supply
- Product - waste products: Geka connection for filtered wastewater into the sewage system
- Product - material supply: Geka connection for contaminated shower water
- Product - material supply: Geka connection for fresh water
- Product - base: Rollers

3.6 Type plate

The type plate contains information for identifying the machine.

3.6.1 Design

Aluminium plate, riveted

3.6.2 Position

Near the control panel

3.7 Accessories

The following accessories are optionally available for water management:

Designation	Article no.	Illustration
Wastewater hose 5m with Geka connection 3/4"	BU1504	
Fresh water hose 5m with 1/2" Geka connection	BU1504a	

4 Technical data

4.1 Dimensions

- Length: 743 mm
- Width 781 mm
- Height: 1074 mm

4.2 Mass

- Weight: 54 - 60 kg (depending on model)

4.3 Performance data

- Power connection: 400 V
- Power consumption: 32 A
- Output power of instantaneous water heater: 21 KW
- Shower water flow rate: max. 10 l/min
- Filter stages: 3
- Filter size: 10"

4.4 Noise emission

- Short-term with active signal horn: 92 dB (A)

Wear hearing protection in the immediate vicinity of the water management system

5 Safety

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

5.1 Intended use

The machine is intended exclusively for the following use:

Intended use
When carrying out sanitation work in enclosed spaces, it is important to prevent hazardous substances from leaving the sanitation area in an uncontrolled manner and thus posing a risk to people and the environment. For this reason, persons leaving the decontamination area via airlocks must take a shower when leaving the area.
The deconta water management system heats the shower water and treats (filters) the contaminated wastewater.

The user must comply with the operating parameters specified in the operating instructions. The appliance may 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 injuries of any kind.

Authorised persons

The following persons are authorised to handle the product:

- Specialised 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
  - Qualification: Training, information through 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

- Refurbishment

5.2 Misuse

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

Reasonably foreseeable misuse

- Any use other than that described in the operating instructions
- Any use of the machine 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 as well as manipulation
- 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 impair safety
- Using non-original spare parts or accessories that are not equivalent in quality and function
- Operating the machine in a technically unsatisfactory condition, not being aware of safety and hazards and not observing all instructions in the documentation

  Use in potentially explosive atmospheres

5.3 Tasks and qualifications of the personnel

Personnel	Task	Required qualification
Operator	<< Machine-specific >>	Instruction, training
Programmer	Machine teaching, programming	Knowledge of programming and teaching machines and robots
Specialist for occupational safety	• Carry out risk assessment • Create operating instructions • Instruct people	Completed training as an occupational safety specialist with recent experience with machines
Electrical specialist	Installation and maintenance of electrical equipment	Person with suitable training, appropriate education, up-to-date experience and knowledge of the relevant regulations that enables them to recognise risks and avoid hazards that may arise from electricity.
Carrier	Off-site transport of the machine	A person with suitable training, appropriate education, up-to-date experience and knowledge of the relevant regulations, who is able to transport machines safely outside the company.
Transporter	In-plant transport of the machine	Person with suitable training, appropriate education, up-to-date experience and knowledge of the relevant regulations, who is able to transport machines safely within the company.
Disposer	Dispose of the machine	Qualified waste disposal company for legally compliant, proper and professional disposal of the machine

5.4 Notes on occupational health and safety

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

The obligations include the following points:

- Provide these operating instructions or extracts to persons who carry out tasks with or in connection with the machine
- Provide the applicable documents to these persons
- Instruct persons on the intended use and misuse of the machine
- 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 external and internal transport of the machine.

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

HINWEIS

In winter, due to the risk of frost, the following must be observed:

Empty the water pipes, filter housing and pumps

6.1 Loss of warranty claims

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

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

6.2 Transport outside of the operating area

6.2.1 Transport area

Off-site transport takes place in public areas. The machine is transported from one place of use to another place of use.

6.2.2 Legal regulations

The off-site transport of the machine is carried out in accordance with the legal regulations of the country in which the machine is transported off-site.

6.2.3 Qualification of the personnel

Persons who transport the machine off-site must fulfil the following requirements:

Person	Required qualification
Freight forwarder	Completed training in transport and experience in transporting machines off-site
Logistician	Completed training and experience in the internal transport of machines

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 external transport:

- The load capacity must be dimensioned so that the mass of the machine can be safely picked up.
- The size of the transport surface must be dimensioned so that the machine can be placed safely on the transport surface without falling down.

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

6.3 In-plant transport

6.3.1 Transport space

During internal transport, the machine is transported from one installation location to another installation location on the company premises.

6.3.2 Legal regulations

The internal transport of the machine is carried out in accordance with the legal regulations of the country in which the machine is transported outside the company.

6.3.3 Warning of residual risks

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

6.3.4 Means of transport

For safe in-house transport, a means of transport is required that fulfils the following requirements:

- The load capacity must be dimensioned so that the mass of the machine can be safely picked up.
- The size of the transport surface must be dimensioned so that the machine can be placed safely on the transport surface without falling.

Machine 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 machine.

The water management system is delivered ex works ready for operation and is intended for immediate commissioning.

If there is visible damage, **do not** put the appliance into operation. Contact deconta GmbH immediately.

8 Commissioning

This section contains information on commissioning the machine.

HINWEIS

For versions without a control unit, it is essential to observe the positive lock:

To prevent damage to the heating coil in the instantaneous water heater, the following points must be observed during initial commissioning / initial filling:

Make the hose connections as described on the following page

Switch off the main switch

Start the water supply and wait until water flows out of the shower

Switch on the main switch

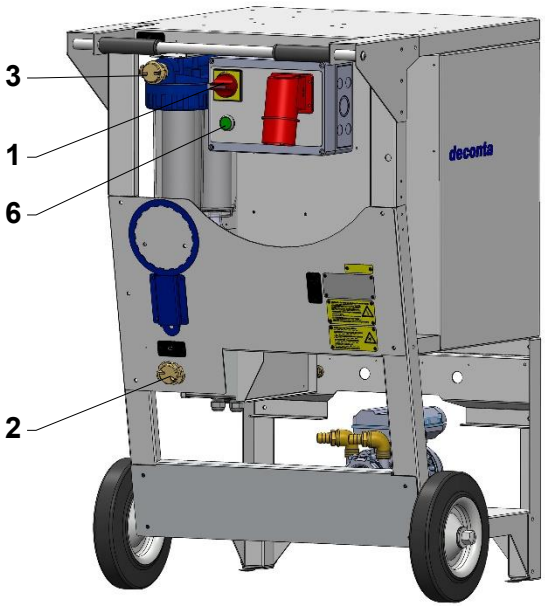
The appliance is now ready for operation

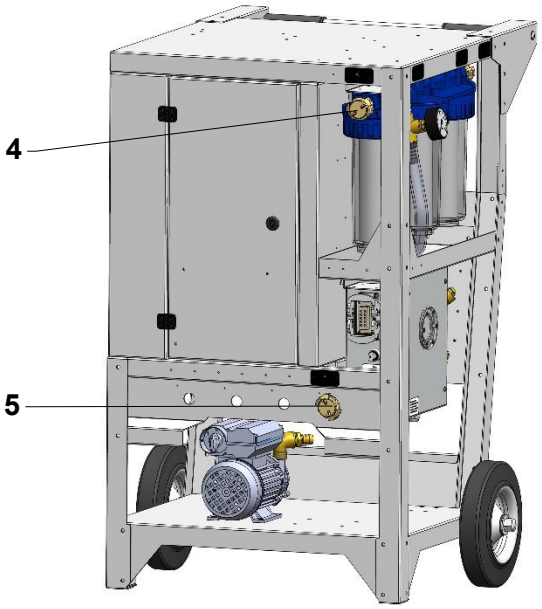
HINWEIS

Do not change the switch position of the pump (switch position I is correct). Depending on the position, this causes the pump to switch off (switch position O) or the direction of rotation to be reversed (switch position II) => the pumps would not suck in the dirty water, but would push the water back again!

Wastewater pump switch

8.1 Versions with a wastewater pump





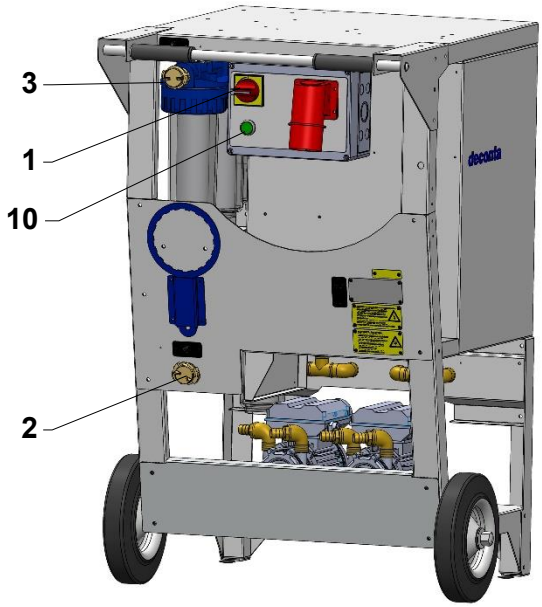
1 = Main switch
2 = Water inlet
3 = Wastewater OUT
4 = Wastewater IN
5 = Hot water shower
6 = Wastewater pump start

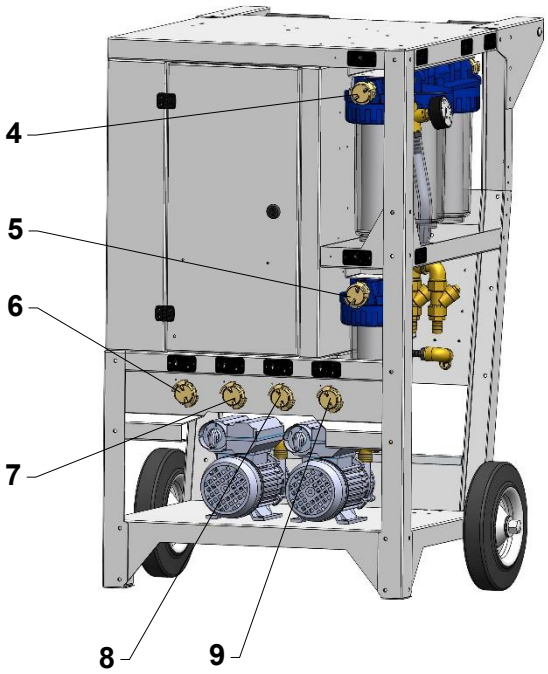
- Make hose connections:
  - Connect the "Water inlet" connection to the pipework
  - Connect the "hot water shower" connection to the shower roof
  - Connect the "Wastewater IN" connection to the shower floor
  - Connect the "Wastewater OUT" connection to the drainage system

Water can now be drawn from the shower head. The wastewater pump is automatically switched on when water is drawn off.

The wastewater pump can be switched on manually by pressing and holding the "Wastewater pump start" switch.

8.2 Version with 2 wastewater pumps for 2nd shower





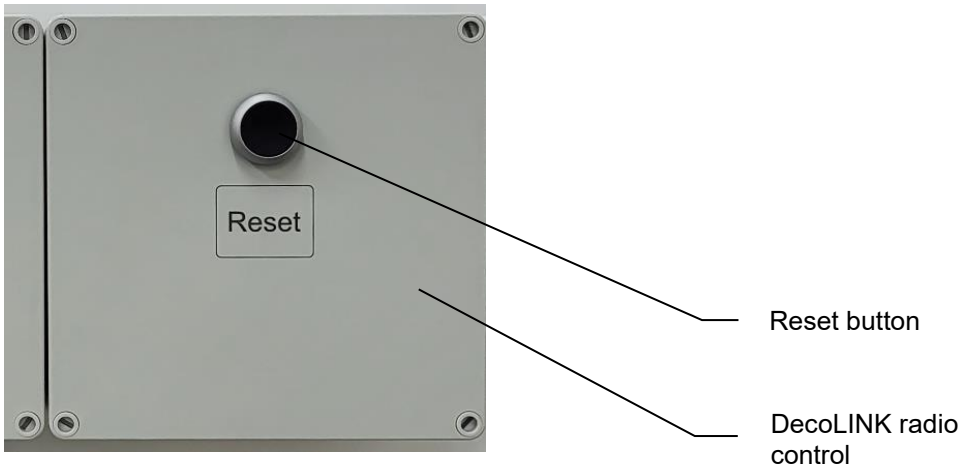
1 = Main switch
2 = Water inlet
3 = Wastewater OUT
4 = Wastewater IN 1
5 = Wastewater IN 2
6 = Hot water shower 1
7 = Hot water shower 2
8 = Cold water shower 1
9 = Cold water shower 2
10 = Wastewater pump start

- Make hose connections:
  - Connect the "Water inlet" connection to the pipework
  - Connect the "Hot water shower 1" connection to the shower roof
  - Connect the "Cold water shower 1" connection to the cold water connection on the shower roof (if available)
  - Connect the "Hot water shower 2" connection to the shower roof
  - Connect the "Cold water shower 2" connection to the cold water connection on the shower roof (if available)
  - Connect the "Wastewater IN 1" connection to the shower floor
  - Connect the "Wastewater IN 2" connection to the shower floor
  - Connect the "Wastewater OUT" connection to the drainage system

Water can now be drawn from the shower head. The wastewater pump is automatically switched on when water is drawn off.

The wastewater pump can be switched on manually by pressing and holding the "Wastewater pump start" switch.

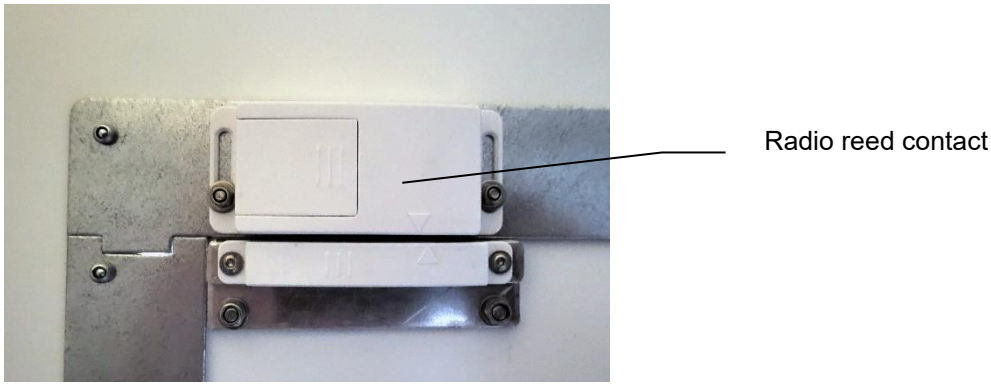
8.3 Version with radio control automatic shower process decoLINK



8.3.1 Airlock process

Entering the refurbishment area through the interlock, the shower is not activated.

Leaving the work area through the airlock; the shower is activated by radio reed contacts mounted above the shower doors.



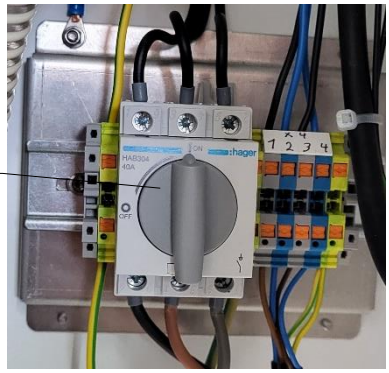
- Entering the shower chamber
- Close the door
- the shower is activated for a preset time of 90 seconds
- after the showering process has finished, leave the shower chamber and close the door, the wastewater pump of the water management system continues to run for a preset follow-up time of 30 seconds

If the shower is exited before the 90-second shower time has elapsed, this triggers an acoustic alarm via a signal horn built into the water management system. This alarm can only be cancelled by pressing the Reset button.

8.4 Version with forced locking control

- Make the hose connections as described at 8.1
- Switch off the main switch
- Set the isolator switch for the instantaneous water heater inside the appliance to "OFF"

Disconnector Instantaneous water heater



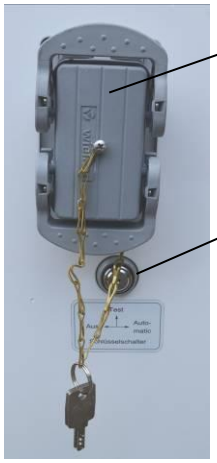
Main switch

Shower water

Start the shower

- Switch on main switch
- Press and hold the "Shower water start" button (button lights up) until water flows out of the shower
- Switch off the main switch
- Set the isolator switch for the instantaneous water heater inside the appliance to "ON"
- Switch on the main switch

8.4.1 Switch on the positive lock



Connecting the electric cable to the shower roof

Key switch

- Connect the electrical cable to the water management system and to the shower roof of the personnel airlock
- Ensure that both doors to the shower room of the personnel airlock are closed.
- Set the key switch to the "Test" position, the green buttons on the door boxes in the personnel airlock light up. After approx. 5 seconds, switch to the "Automatic" position, the positive locking is now activated, the green buttons on the door boxes continue to light up.

9 Operation

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

9.1 Qualification of personnel

Persons using the machine must fulfil the following requirements:

Person	Required qualification
Operator	Instruction, training by the manufacturer

9.2 Warning of residual risks

Touching wires of a damaged mains connection cable.

Touching machine parts that have become live due to fault conditions.

Only operate the appliance on power supplies that are protected by residual current circuit breakers!

⚠ VORSICHT

Damage due to unsuitable mains voltage.

The appliance can be damaged if it is connected to an unsuitable mains voltage.

Check whether the voltage specified on the rating plate corresponds to the local mains voltage.

Preset temperature (approx. 37°C). Do not change the settings on the instantaneous water heater's temperature adjustment knob. Risk of scalding!

Check the outlet temperature before every shower!

Temperature setting knob

9.3 Personal protective equipment required

The following personal protective equipment is required to use the machine:

- Hearing protection in the immediate vicinity if necessary

9.4 Number of persons

One person is required to use the machine.

9.5 Tools required

No tools are required to use the machine.

9.6 Aids required

No equipment is required to use the machine.

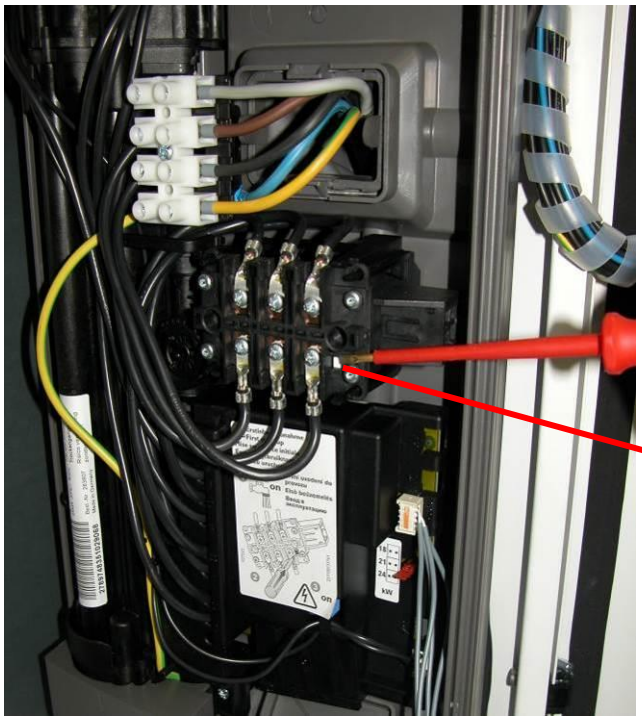
9.7 Commissioning after triggering the safety temperature and pressure limiter

The heating elements are heating coils that are directly surrounded by the flowing water. This type of heating and the extremely low water content of 0.5 litres ensure a high level of efficiency. The water volume is limited to a maximum flow rate of 10 litres per minute by a built-in flow regulator when the hot water valve is fully open so that a shower-appropriate outlet temperature is maintained.

The built-in safety temperature and pressure limiter ensures a double safety shut-off in the event of overpressure and overtemperature.

The pressure limiter triggers when the pressure rises to approx. 22 bar, the temperature limiter triggers at approx. 55° C in the inlet and at approx. 70° C in the hot water outlet. If the pressure or temperature limiter responds, the appliance is immediately disconnected from the mains.

Before re-pressurising the safety temperature and pressure limiter, the cause of the fault must be determined and rectified by a specialist.



(1) Switch off the mains voltage.

(2) Remove the cover from the instantaneous water heater. Note the slot of the potentiometer.

(3) Use a screwdriver to press on the pressure point of the limiter (see illustration) until it engages.

(4) If necessary, replace the potentiometer and attach the cover.

(5) Switch on the mains voltage.

10 Maintenance

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

Maintenance includes all technical and organisational measures during the life cycle of the machine to ensure the safe, economical and functional condition of the machine and to prevent environmental damage.

10.1 Loss of warranty claims

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

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

10.2 Maintenance

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

The appliance must be completely disconnected from the power supply during all repair and maintenance work.

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

10.2.1 Warning of residual risks

Contaminated filters may only be changed in compliance with all relevant safety precautions. Only change filters when the appliance is switched off. Only use authorised filters.

Disconnect the mains plug before opening the housing

10.2.2 Personal protective equipment required

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

10.3 Daily maintenance

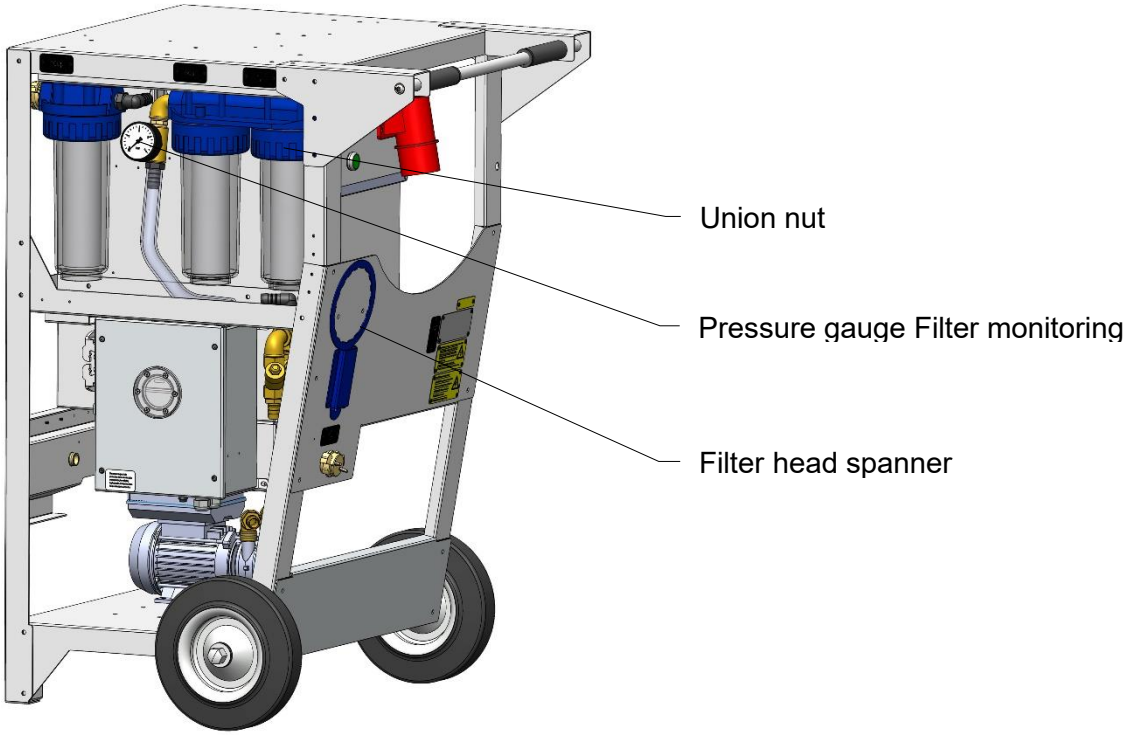
- Check the water pipes for free flow
- Visual inspection of the 220µ pre-filter for contamination
- Check the fine filters using a pressure gauge

10.4 Filter change

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

Caution:

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



Filter change:

- Loosen the union nut using the filter head spanner
- Remove filter and dispose of in accordance with regulations
- Insert new filter cartridges
- Ensure that the sealing ring is correctly seated and clean
- Tighten the union nut **by hand**

⚠ GEFAHR

Suction hoses, pumps, filter housings and filters are already contaminated during initial use. Repairs and maintenance work may only be carried out in compliance with all relevant safety measures.

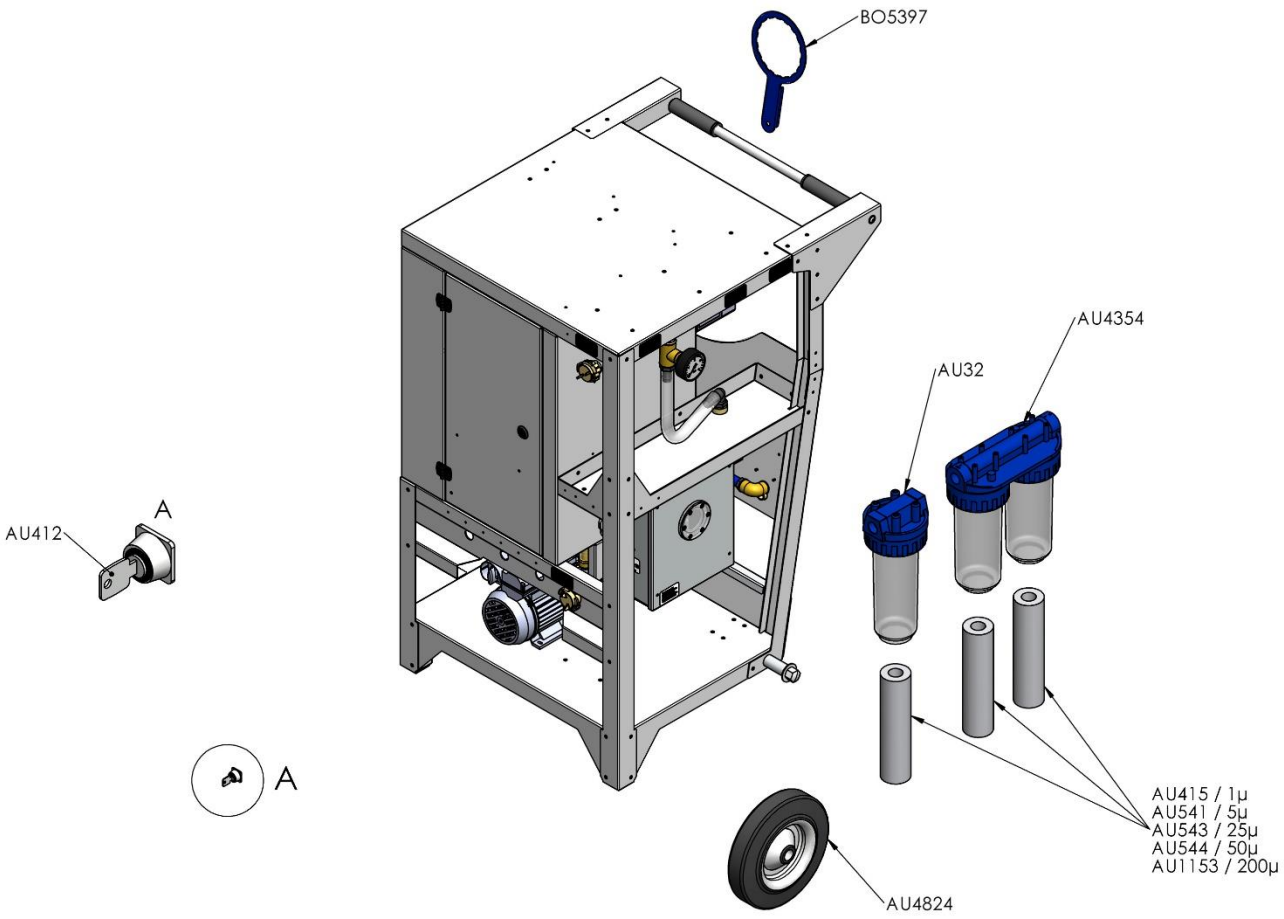
The filters must be disposed of in accordance with legal regulations.

11 Spare parts

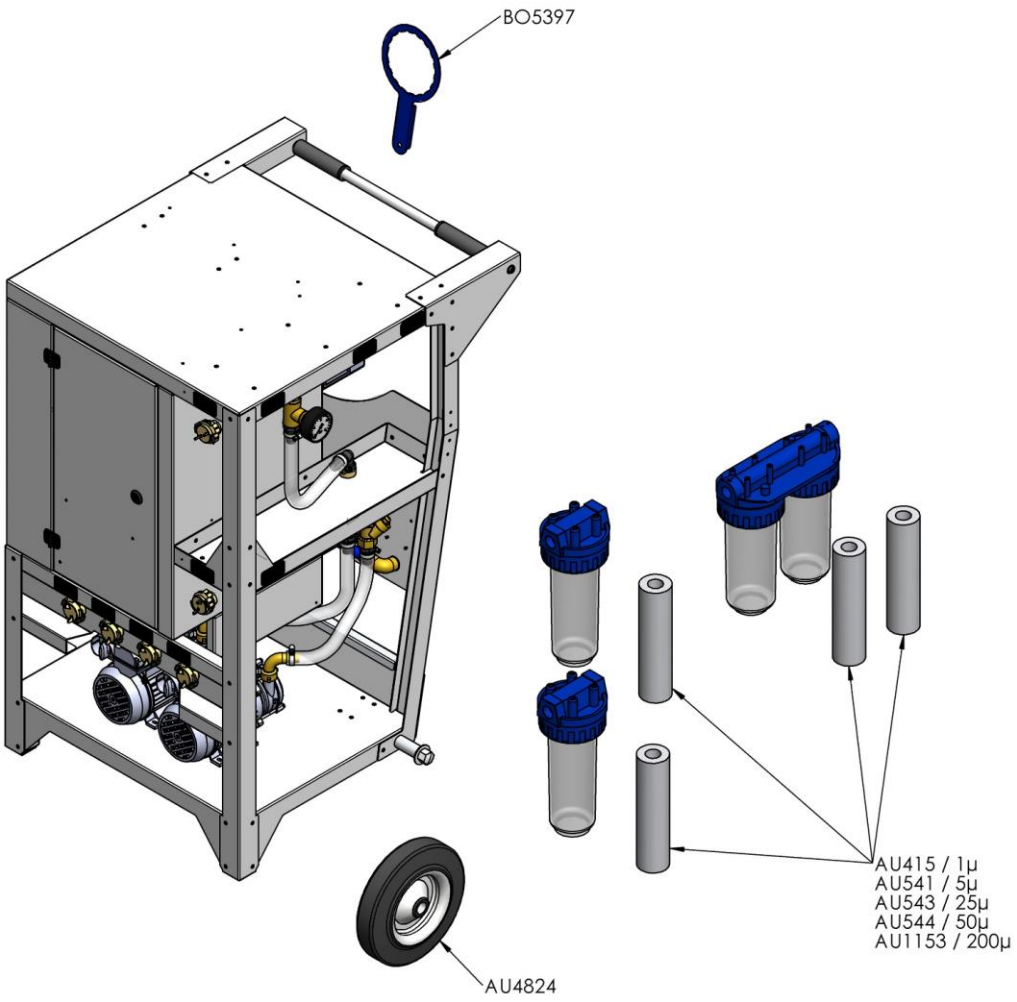
Original spare parts should be used to ensure safe, trouble-free and economical use of the machine.

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

11.1 Water management SW 400 V with 1 wastewater pump



11.2 Water management SW 400 V with 2 wastewater pumps



12 Cleaning

The appliance 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 carefully rinsed, disinfected and completely drained or dried.

13 Storage

To avoid damage, the appliance may only be stored in dry rooms that are inaccessible to unauthorised persons.

HINWEIS

In winter, due to the risk of frost, it is essential to observe the following:

Empty the water pipes, filter housing and pumps

The optional hoses may only be stored when completely empty and in a hygienic condition!

During storage, care must be taken to prevent contamination with other substances. Drinking water hoses (freshwater hoses) and wastewater hoses must be stored separately.

14 Disposal

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

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

14.1 Qualification of personnel

Persons who dispose of the machine must fulfil the following requirements:

Person	Required qualification
Disposer	Qualified specialised disposal company for the legally compliant, proper and professional disposal of the machine

14.2 Legal regulations

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

The operator of the machine or the person authorised to dispose of the machine is responsible for compliance with these legal regulations.

14.3 Waste

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

15 EC Declaration of Conformity

The manufacturer / distributor

deconta GmbH
Im Geer 20
46419 Isselburg

hereby declares that the following product

Product designation:	SW 400 V
Type designation:	877, 894
Serial number:	see type plate
Trade name:	Water management SW 400 V
Year of manufacture:	see type plate

Description: Water management SW 400 V

complies with all relevant provisions of the applicable legislation (hereinafter), including any amendments thereto in force at the time of the 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 and/or modifications subsequently carried out by the end user are not taken into account.

The following legal regulations have been applied:

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

The protection objectives of the following other legislation have been complied with

Low Voltage Directive 2014/35/EU

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 13849-1:2015	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2015)
EN ISO 13849-2:2012	Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2012)

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

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

Place: Isselburg Date: 14.07.2025

Leiter Konstruktion / head of construction

Leiter Elektro / head of electro