

Instruction manual

Water Management System

C 110 L



Manufacturer:	deconta GmbH Im Geer 20, D - 46419 Isselburg
Description	Water Management System C 110 L
Type-No.:	564
Serial-No.:

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1 Basic safety advice

The handling of the appliance technology is only allowed for instructed staff. The exact knowledge of this manual is an important condition for the staff before handling the machine.

Please keep the instruction manual close to hand and available for everybody.

As an operator, you are obliged by **deconta** to follow the instruction manual and to use this engineered technology equipment only in accordance with the regulations and its suitability! In the event of non-observance, **deconta** assumes no liability.

To ensure safety during operation of the unit, the following must be strictly observed:

- Do not use in potentially explosive areas.
- Necessary repairs and maintenance may only be performed by authorized staff.
- For all repair and maintenance work, the device is to be completely disconnected from power supply
- The safety and protective equipment is to be kept in perfect function.
- Attached safety guidelines are to be kept in a readable state and are to be followed.
- Generally applicable legal and other binding regulations for accident prevention and handling of hazardous substances must be observed.

To ensure safety, any changes on the machine are prohibited.

ATTENTION!

The Waste water filtration unit is not suitable for the use in condensed, corrosive, flammable and explosive compartment air. The ambient and medium temperature must be between +5 and +50°C.

We make explicit reference to the additional regional and national safety policies and regulations in the operation of the equipment technology.

2 Transport and storage

2.1 Delivery

If no other agreements have been made, the unit is packed safely and will be delivered ex work. Transport damages have to be immediately documented by the carrier or another supplier. Please also note the possible damages on the way bill.

2.2 Transport

The Transport is to be proceeded with care to avoid damages by improper handling or carelessness.

It is important to avoid exposure to violent shocks, otherwise the function and safety of the unit cannot be guaranteed. In winter and at risk of frost, the whole unit (Pump, filter housing and tank) needs to be emptied before transport.

Attention: Transport of unit (also relocation) only when empty.

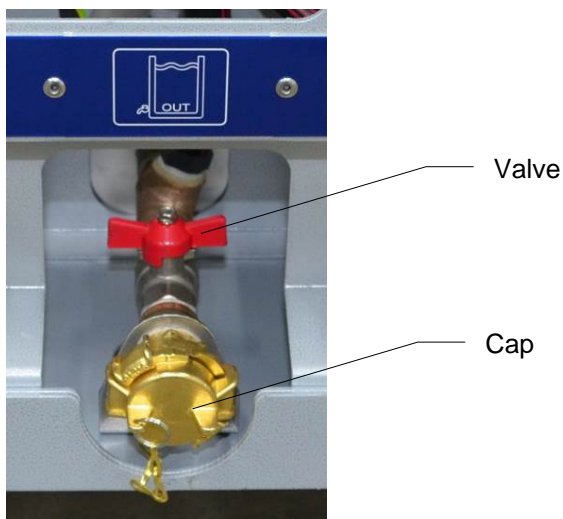
2.3 Storage

In order to avoid damages, the installation has to be kept in a dry area with no access for unauthorized persons.

Because of risk of frost in winter it is important to observe the following:

- Empty water hoses, filter housing, tank and pumps
- Place Water Management in a frost-protected area

Advice for the draining of the tank: To drain remove cap "empty tank" and tilt valve.



3 Volume of delivery

If no other agreements have been made, the scope of delivery of the water management unit consists of:

- Water Management System
- Filter
- Instruction manual

Return delivery after termination of rental period

We have to insist on following conditions for the return delivery in order to protect our clients and in accordance with the rules for hazardous materials transportation:

- As listed above
- Well cleaned (ready for use)
- Without binder remains
- Without damages
- Without filter

4 Technical description

4.1 Intended use

During asbestos sanitation works within closed rooms, you have to exclude that the asbestos fibres leave the sanitation area uncontrolled and endanger the human health and the environment. For this reason, personnel must leave the sanitation area through a lock system and take a shower while leaving.

The deconta water treatment assumes the heating of the shower water and takes over the filtering of the contaminated sewage water.

4.2 Unit description

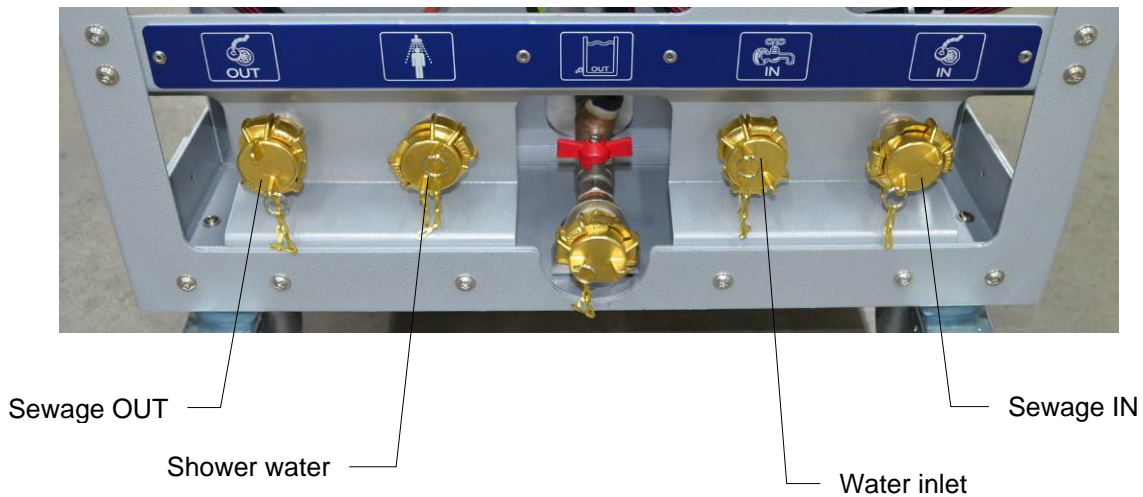
This is an electric warm water storage for the heating of shower water. The filling of the tank may be done via the filling port (bucket) or automatically with a permanently connected fresh water hose. An electrical heating rod warms the water to shower temperature (factory-adjusted approx. 37°C). The produced shower water is pumped out and 3-stage filtered.

5 Technical data

Volume service water:	110 Liter
Tank filling:	automatic or manually via filling port
Heating capacity:	2000 W
Filter stages:	3
Filter size:	10"
Power connection:	230 V
Power consumption:	9 A
Water connections:	System Geka
Dimensions (L x W x H):	606 x 606 x 1115 mm
Weight:	54 kg

Technical changes reserved

6 Initial operation



- Unplug
- Establish hose connections:
 - Optionally connect „Water inlet“ with pipeline network or fill manually via filling port
 - Connection „Warm water shower water“ with shower top
 - Connection „Sewage IN“ with shower tray
 - Connection „Sewage OUT“ with sewage system
- Connect to power supply
- At use of the automatic fresh water supply, the max. fill level is controlled by a float switch
- the unit is now ready-to-operate

Switch setting Function switch



- middle Position: heating rod active
- left Position: waste water pump and heating rod active
- right Position: Shower water pump, waste water pump and heating rod active

Safety instructions:

During works on the device always disconnect the plug!
Operate the device only with mains which are secured with fault current protection switch!
Never operate the device without water! In case of frost risk, empty the device by opening the stopcock!
Check outlet temperature before every shower!
CAUTION! Danger of scalding

7 Maintenance and care

7.1 Daily maintenance

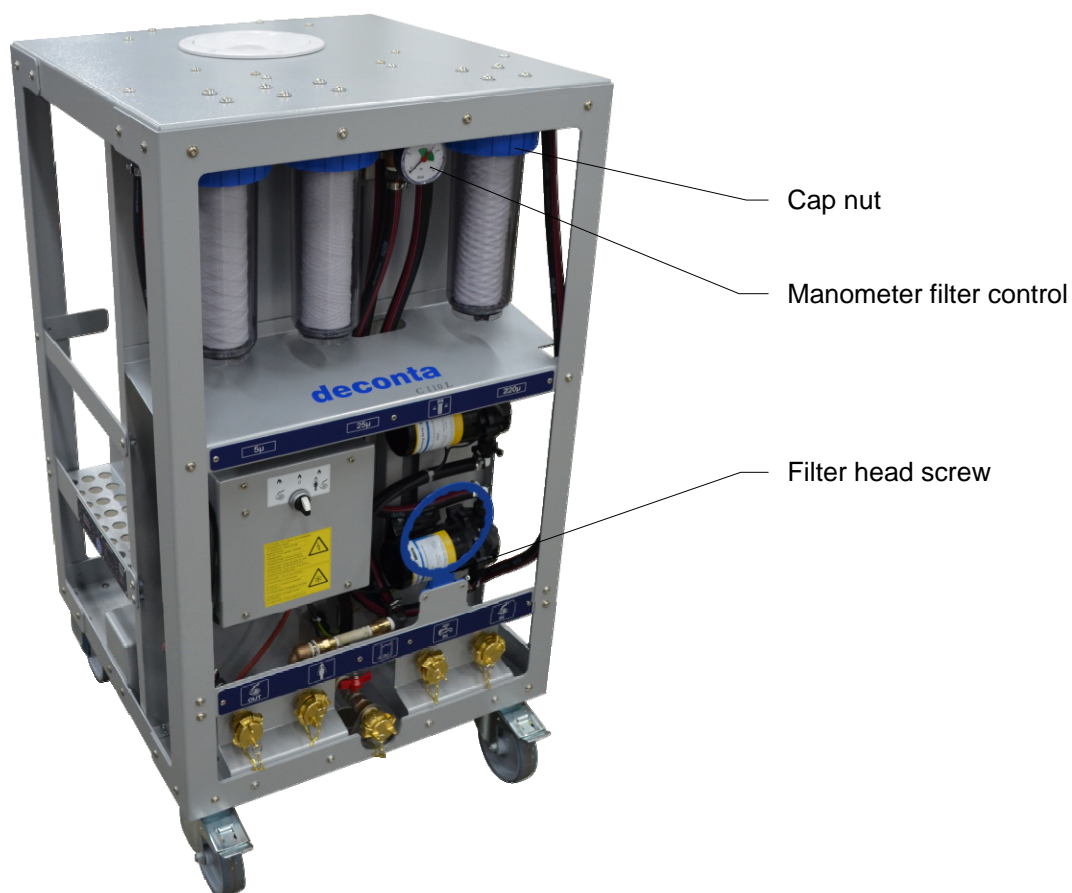
- Check hoses for free flow
- Visual check of 220 μ -Pre filter for dirt
- Control of fine filter via manometer

7.2 Filter change

The Manometer controls the fine filter. We recommend a filter change at approx. 3bar.

Attention:

- Change Filter only when device is switched off
- Demount dirty filters only in wet shape to avoid contamination
- Use approved filters only
- Do not use damaged filter candles



Filter change:

- Loosen cap nut with help of filter head screw
- Remove filter and dispose of it
- Insert new filter candles
- Pay attention to correct fit and cleanliness of the seal ring
- **Tighten** the nut

The suction hoses, pumps, filter housings and filter are contaminated after the first use. Repairs and maintenance may only be executed under the observance of all relevant safety measures. All the filters mentioned have to be disposed of according to the legal terms.

7.3 Reduction of legionella growth

To avoid excessive legionella growth, we recommend to heat the water in the tank to a temperature around $>60^{\circ}\text{C}$ once or twice a week.

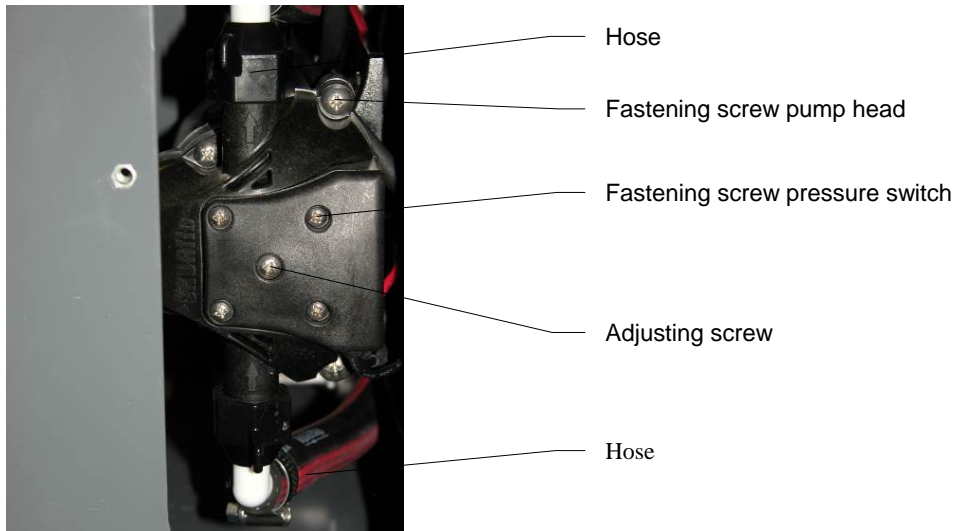
To clean the hoses and the shower, the heated water should also be removed from the shower for about 3 minutes.

Caution risk of scalding!

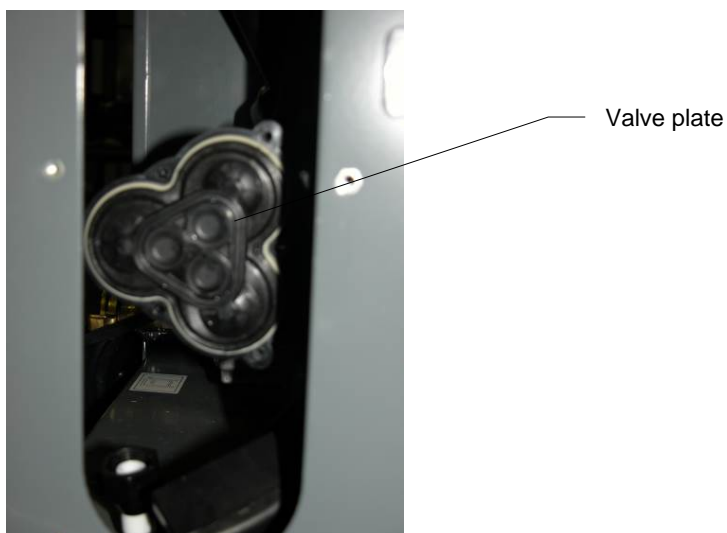
Alternatively, an approved disinfectants can also be used.

7.4 Cleaning waste water pump


- Remove hoses
Remove fastening screw of pressure switch. **ATTENTION: Do not alter the middle adjusting screw!**



- Remove fastening screw of pump head and take off the head
- Remove Valve plate and clean on front and back



9 Declaration of conformity

EU-Declaration of conformity	
deconta GmbH Im Geer 20 D-46419 Isselburg	
Product: Water Management C 110 L	Type: 564
The design of the unit complies with the following directives:	EU-Machine directive 2006/42/EG EU-Low voltage directive 2006/95/EG
Applied harmonised standards:	EN 292, EN 60335-1
Applied national standards:	DIN VDE 0701, DIN VDE 0702
 W. Weßling	Isselburg, 24.06.2015