



O P E R A T I N G  
M A N U A L

**slee** solutions  
for  
pathology

WATER BATH  
**Slidetec Water S**

DESIGN &  
MANUFACTURING  
MADE IN GERMANY



## CONTENTS

<b>1. INTENDED USE</b>	<b>5</b>
<b>2. BEFORE STARTUP</b>	<b>6</b>
<b>3. INSTALLATION AND LOCATION OF THE TISSUE FLOATING BATH</b>	<b>7</b>
<b>4. OPERATING VOLTAGE</b>	<b>8</b>
<b>5. THERMOMETER</b>	<b>8</b>
<b>6. FILLING WATER INTO THE TISSUE FLOATING BATH</b>	<b>8</b>
<b>7. INSTALLATION, REGULATION AND SHUTDOWN</b>	<b>9</b>
<b>8. TEMPERATURE MONITORING IN CASE OF AN ERROR</b>	<b>9</b>
<b>9. MAINTENANCE, SUPPORT AND REPAIR</b>	<b>10</b>
<b>10. DISPOSAL OF USED UNITS</b>	<b>10</b>
<b>11. TECHNICAL DATA</b>	<b>11</b>
<b>12. ACCESSORIES</b>	<b>11</b>
<b>13. MAINTENANCE</b>	<b>11</b>
<b>14. SERVICE</b>	<b>13</b>
<b>15. WARRANTY</b>	<b>13</b>
<b>16. DISPOSAL</b>	<b>13</b>



## 1. INTENDED USE

The Slee tissue floating bath Slidetec Water S is a special bath for histological, pathological, clinical and bacteriological laboratories for stretching and drying cut tissue samples.

The outer housing is made of powder-coated aluminum sheet, the bath body and the edges of the bath body for drying the raised tissue sections of black anodized aluminum sheet.

The devices can be controlled via an electromechanical temperature controller with capillary tube sensor in the temperature range from 5 ° C above room temperature to approx. 80 ° C and are protected by a temperature fuse during dry running. The bath is heated indirectly, plate radiator, sensor of the thermostat and temperature fuse are under the bath body.

Please check the contents of the packaging for completeness and integrity before setting up the device.

If you find any damage or have cause for complaint, please contact your supplier or us directly

### 1.1 INTENDED USE

In the Slee tissue floating bath Slidetec Water S distilled or deionized water is heated in the range of 5 ° above room temperature to about 80 ° C to smooth tissue slices to prepare for further studies, raise slides and to dry on the indirectly heated edge of the bath.

### 1.2 NON-INTENDED USE

- Do not use tap water because limescale deposits on the black anodized bath floor make tissue sections less visible.
- Always operate the bath only with water, other media, e.g., as oils or acids, lead to damage until the device failure.
- The temperature control must not create an explosive atmosphere in the vicinity of the device.
- Slee tissue floating baths are not suitable for direct tempering of food and beverages as well as pharmaceutical products. Direct tempering means unprotected contact of the temperature-controlled material with the bath filling.
- Do not use aggressive media such as B. hydrochloric acid heated by the device or in the immediate vicinity or evaporated.
- Slee tissue floating baths used in the laboratory are not medical devices. They are subject to neither national nor international medical device law and are to be used appropriately.

## 2. BEFORE START-UP

The information in this operating manual must be read and observed. Only then the proper operation of the paraffin bath is guaranteed.



Important information is highlighted in bold text in the instruction text, and safety notices are additionally marked by the following bid and warning symbols. Additional application information and useful tips are marked with this



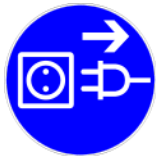
Warning of hot liquids and steam.



Warning of hot surfaces.



Danger high voltage.



Before opening the device and before cleaning, the mains plug must be removed from the socket.

### 3. INSTALLATION AND LOCATION OF THE TISSUE FLOATING BATH

Remove the lid of the transport packaging.

Lift the device out of the packaging. The devices may only laterally at the bottom.

Housing socket to be raised.

The location of use for the Slidetec devices should meet the following conditions to ensure the specified device performance:

- The device should stand on a level and vibration-free work table. At the place of installation, pay attention to a non-combustible, water- and temperature-resistant surface.
- The appliance should be kept free so that the air circulation below and behind the appliances is guaranteed. At the rear of the devices, a free space of at least 15 cm must be maintained.
- Do not store or use flammable or volatile substances in the vicinity of the unit
- The device is not intended for operation in potentially explosive atmospheres.

Do not use extension cords.








Before installing the device, check that the electrical connection values agree with the specifications on the nameplate and that a constant power supply is ensured.

- This should be checked and ensured by a specialist on site before commissioning.
- Use only fuses specified for the device.

## 4. OPERATING VOLTAGE



The main switch of the tissue floating bath must be **off** (position O).

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Type: slidetec WATER s		
SN U3 18 0001		
P = 300 VA U = 230 V ~ f = 50/60 Hz	  	
Made in Germany		

**The operating voltage on the nameplate (at the back of the unit) must be the same as the mains voltage.** The supplied connection cable disposes of a high-temperature coupling on one end, which is to be plugged into the unit's socket at the back of the unit, and a shock-proof plug that serves as the mains plug and is to be connected to the mains socket.



**The tissue floating bath must be connected to a correctly installed shock-proof socket. The bath is a protection class I electrical appliance, a connection to the earth conductor (PE) must be ensured. For information on the required mains fuse please view the technical data, chapter 11 of this manual. The electrical connection must ensure an all-pole separation from the mains supply at any time.**

**The mains cable must not touch hot surfaces of the unit anywhere. It may not be led underneath the unit.**

In case of compliance, connect the unit to the mains.

## 5. THERMOMETER

Fix the thermometer holder to the bath rim, opposite the control panel, and place the glass thermometer into the holder.

The thermometer **must not touch the bottom of the bath.**

## 6. FILLING WATER INTO THE TISSUE FLOATING BATH

Before initiation, fill either distilled or desalinated water up to approx. 1 – 2 cm beneath the rim of the bath. The maximum filling quantity can be found in the **technical data, chapter 11** of these instructions.



## 7. INSTALLATION, TEMPERATURE REGULATION AND SHUTDOWN

Switch on the main switch. The green pilot lamp to the left above the main switch will light up. Set the required temperature on the turning knob of the temperature regulator. The temperature range of the bath is between approx. 5°C above ambient to maximum approx. 80°C. After setting the required temperature, the heating element is powered. The yellow pilot lamp to the left above the temperature regulator lights up. The thermometer shows the current temperature.



**Hot surfaces at temperatures above 50°C. Danger of burns. Take extreme care when handling the unit because of the high operating temperatures.**



**To turn off** for longer shut-down periods switch the main switch to position O and disconnect the unit from the mains. Empty the unit and dry the bath to prevent bacterial contamination.

## 8. TEMPERATURE MONITORING IN CASE OF AN ERROR

The **tissue floating bath** is protected against destruction by running dry or defective temperature controller by a **temperature cut-out** (non-resettable, temperature-dependent cut-out).

The cut-out **cuts the power to the heating**.

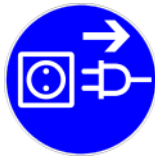
A defective temperature cut-out must be exchanged against an **identical cut-out**.

## 9. MAINTENANCE, SUPPORT AND REPAIR

The **tissue floating bath** is constructed to withstand even rough service conditions. Nevertheless, the unit should only be subjected to increased strain within sensible limits.



**Make sure to prevent liquids coming into contact with cable connections or the inside of the electrical appliance.**



**Before opening and/or cleaning the unit, pull the plug from the socket.**

**Danger of electrical shock!**

The black anodized bath as well as the off-white powder-coated surfaces may be cleaned with mild, non-abrasive and pH neutral detergents. Under no circumstances may solvent-based cleaning agents be used.

It is advisable to regularly exchange the water in the bath body to prevent germ formation.



**Maintenance, repair or modifications must be carried out by a qualified electrician (§2, paragraph 3, BGV A3) in accordance with the generally accepted rules of technology (§2, paragraph 2, BGV A3).**

Only original spare parts may be used. Always demand a confirmation (company, date, signature) on the kind and extent of the service(s) carried out.

## 10. DISPOSAL OF USED UNITS

Within the scope of the legal guidelines, SLEE medical GmbH assumes the responsibility for the environmentally sound return and disposal of all waste equipment delivered to us free of charge from our production and leads it to the material recycling. Before sending, it must be declared legally binding that the device is free of harmful contaminations as well as of hazardous substances caused by use.

SLEE medical GmbH laboratory apparatus are exclusively for commercial use and may not be disposed of through public waste disposal companies.

## 11. TECHNICAL DATA

Exterior dimensions (diameter / height)	280 mm / 100 mm
Interior dimensions (diameter / height)	200 mm / 60 mm
Usable bath height	50 mm
max. filling quantity (in litres)	1.6 l
Temperature range	approx. 5°C above ambient to +80°C
Temperature control	Capillary thermostat
Temperature setting	on the turning knob
Temperature constancy, temporal	approx. +/- 0.5°C
Over-temperature cut-out	Temperature cut-out, > 130 °C non-resettable
Electrical connection	150 - 240 V, 50/60 Hz 115 V, 60Hz
Power	0.3 kW
Mains connection	Shock-proof plug
Mains fuse	min.10 A – max. 16 A
Protection type / protection class	IP20 / I
Ambient conditions	Use only indoors (not in potentially explosive surroundings)
Height above sea level	up to 2000 m NNC
Operating temperature range	+10 to +35 °C
Operating humidity	max. rel. 80 % non-condensing
Storage temperature range	+5 to +55 °C
Storage humidity	max. rel. 80 % non-condensing
Weight	2 kg

## 12. MAINTENANCE

Besides regular cleaning, the instrument is basically maintenance-free.



For cleaning the units only use alcoholic media, not acetone or xylene.

Never spray or use cleaning medium directly onto operating foils.

Please take note of the safety aspects of the instrument.

Wear protective clothing and disposable gloves according to Good Laboratory Practices.

Some general instructions:

All components of the Slee tissue floating bath that come into contact with water and residues of paraffin and the interior of the instruments are carefully sealed to prevent any fluid or particle from entering. Nevertheless, if water is spilled, it should always be removed carefully.

The tissue floating bath, if required, should be filled with care. Avoid overfilling.

The water in the tissue floating bath needs to be exchanged every day to avoid cross-contamination of following patient samples.

Solid paraffin particles on the surface of the work area must not be removed with sharp tools, as this could damage the finish. A soft plastic spatula is ideal for paraffin removal. Alternatively, solid paraffin can be lifted off easily by lightly warming it.

## 13. SERVICE

Internal components should only be serviced by technicians authorised by SLEE medical GmbH.

If technical service or spare parts are necessary, please contact your local SLEE medical GmbH distributor. Please have the following information available:

- Complete contact details
- Type of instrument and serial number
- Place of instrument and name of user
- Purpose of service call
- Delivery date of the unit

If it is necessary to return the instrument, it must be cleaned and disinfected before delivery. It must be returned in its original packing.

If the instrument or parts thereof are sent back in a dirty or non-disinfected condition, SLEE medical GmbH reserves the right to return the parts to the debit of the customer.

## 14. WARRANTY

SLEE medical GmbH guarantees that the product delivered has been subjected to a comprehensive quality control procedure, and that the product is faultless and complies with all technical specifications and/or agreed characteristics warranted.

SLEE medical GmbH guarantees that the instrument is manufactured under ISO 9001:2015 and ISO 13485:2016 quality management system.

Unauthorized modification or repair by third party persons will void the warranty.

Only original SLEE medical GmbH spare parts must be used.

Guarantee claims can be put forward only if the instrument is used according to this manual and for the purpose described.

Mistakes and errors which occur because of improper use cannot be accepted.

## 15. DISPOSAL

The instrument or parts of the instrument must be disposed of according to existing local applicable regulations.

**Notes**

**Notes**



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