



## Sunlamp Model HP 24/22: HELIX™

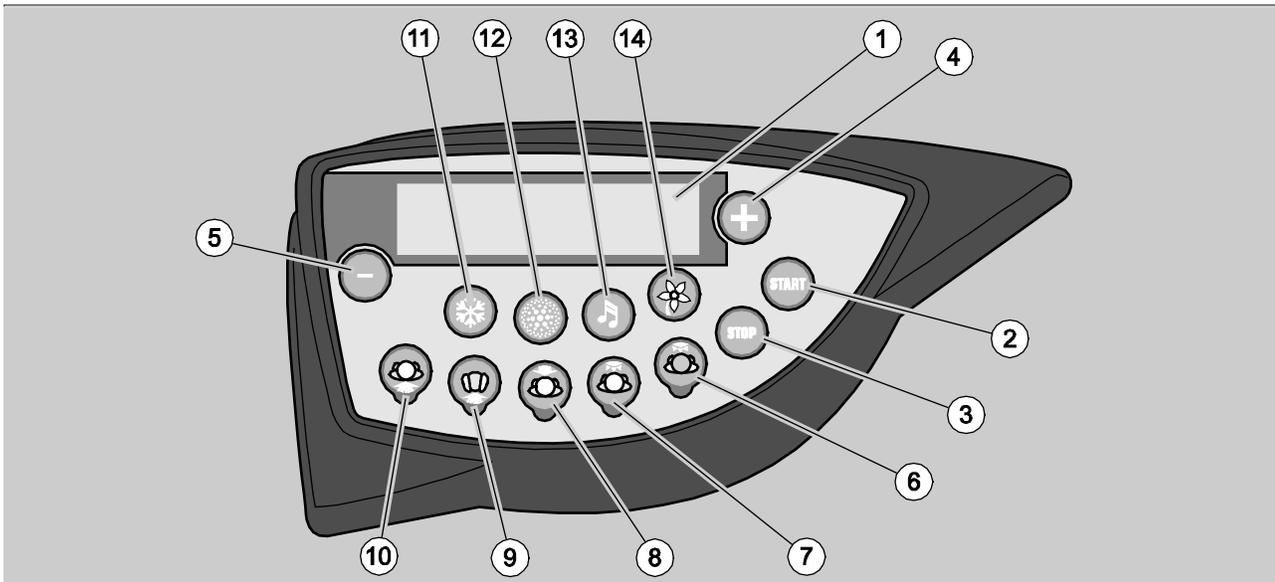
US: "Future Sun HP"

Owner's Manual



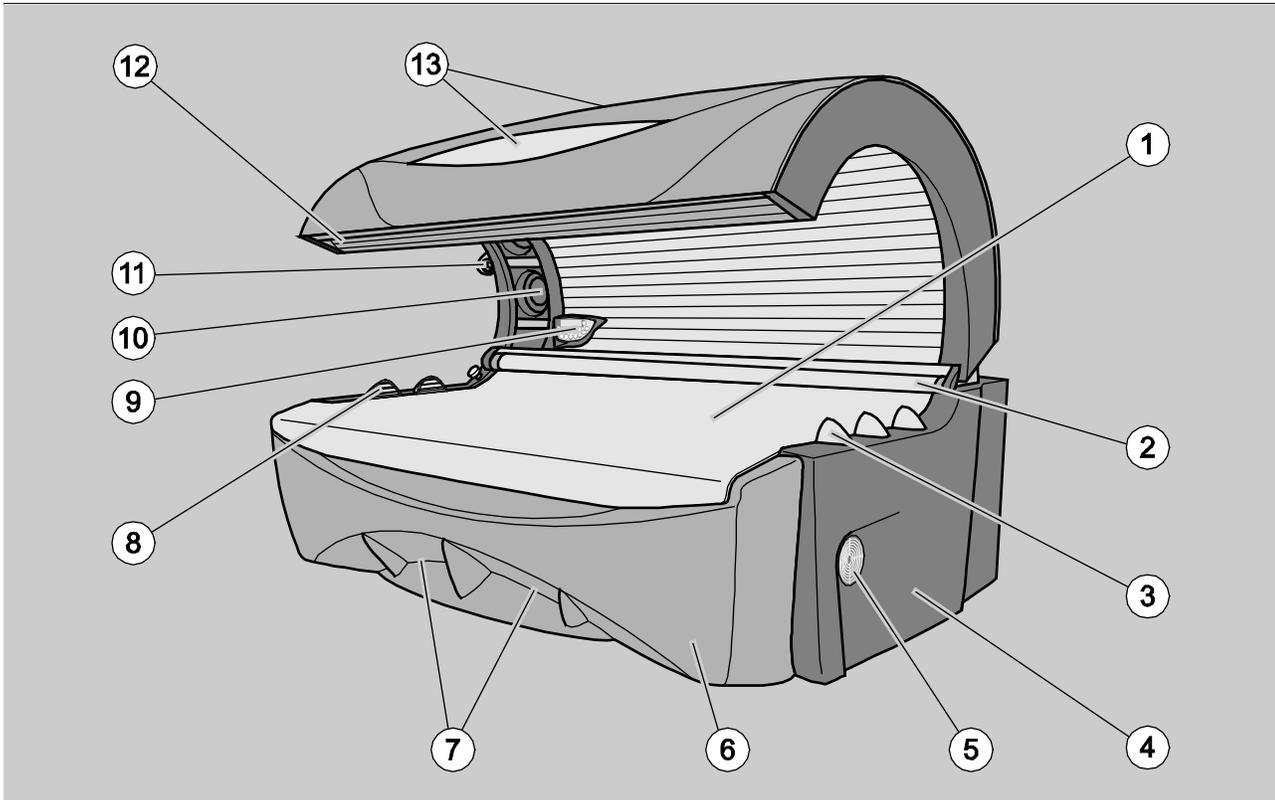
Vers. V.02 /February 2007

# Control Panel



<b>1</b>	Display	Shows accrued session time, information on operational conditions/status of the unit and error codes
<b>2</b>	Button "START"	Starts the tanning session
<b>3</b>	Button "STOP"	Stops the tanning session
<b>4</b>	Button "+"	In combination with pre-selected function, this button <ul style="list-style-type: none"> <li>increases the intensity of the facials</li> <li>increases the speed of the body cooling fans</li> <li>increases the (music) volume</li> <li>(re)activates the facials or the AC unit</li> </ul>
<b>5</b>	Button "-"	In combination with pre-selected function, this button <ul style="list-style-type: none"> <li>reduces the intensity of the facials</li> <li>reduces the speed of the body cooling fans</li> <li>reduces the (music) volume</li> <li>turns off the facials or the AC unit</li> </ul>
<b>6</b>	Button "Shoulder Tanner"	Pre-selects the function for the control of the active shoulder tanner (ON/OFF) (only for units with this optional feature)
<b>7</b>	Button "Facials"	Pre-selects function for control of the facials
<b>8</b>	Button "Cooling Top"	Pre-selects function for control of air vent cooling at the head-end
<b>9</b>	Button "Cooling Bench"	Pre-selects function for control of air vent cooling at the bench, head- and foot-end.
<b>10</b>	Button "Add. Fan Shoulder Tanner"	Pre-selects function for control of the additional cooling fan at the active shoulder tanner (only for units with this optional feature)
<b>11</b>	Button "AC-unit"	Pre-selects function for control of AC-unit (ON/OFF)
<b>12</b>	Button "SunFresh"	Activates SunFresh-Watermist (only for units with active shoulder tanner)
<b>13</b>	Button "Music"	Pre-selects function for control of music volume
<b>14</b>	Button "SunHaze-Aroma"	Activates SunHaze-Aroma-System (only for units with active shoulder tanner)

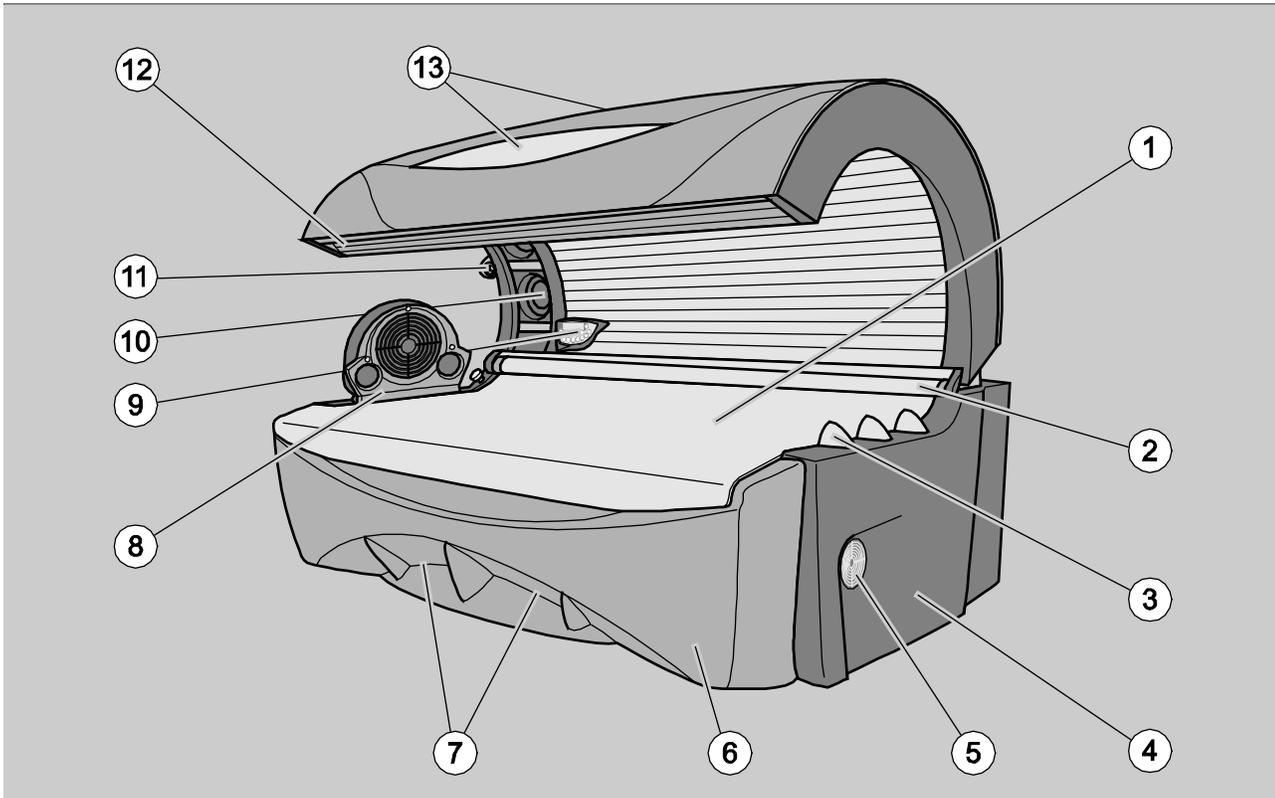
# Unit without active shoulder tanner (standard version)



- 1** Bench acrylic
- 2** Hinge profile at bench acrylic
- 3** Air vents at foot-end of the bench
- 4** Endcaps bench (left and right)
- 5** Body cooling Fan (air intake)
- 6** Front cover plate
- 7** LED backlighting at front cover plate

- 8** Air vents at head-end of the bench
- 9** Control panel
- 10** Facials
- 11** Air vents at head-end of the top
- 12** Top profile and handle
- 13** Backlighting at top canopy

## Unit with active shoulder tanner (optional)



**1** Bench acrylic

**2** Hinge profile at bench acrylic

**3** Air vents at foot-end of the bench

**4** Endcaps bench ( left and right)

**5** Body cooling fan (air intake)

**6** Front cover plate

**7** LED backlighting at front cover plate

**8** Active shoulder tanner

**9** Control panel

**10** Facials

**11** Air vents at head-end of the top

**12** Top profile and handle

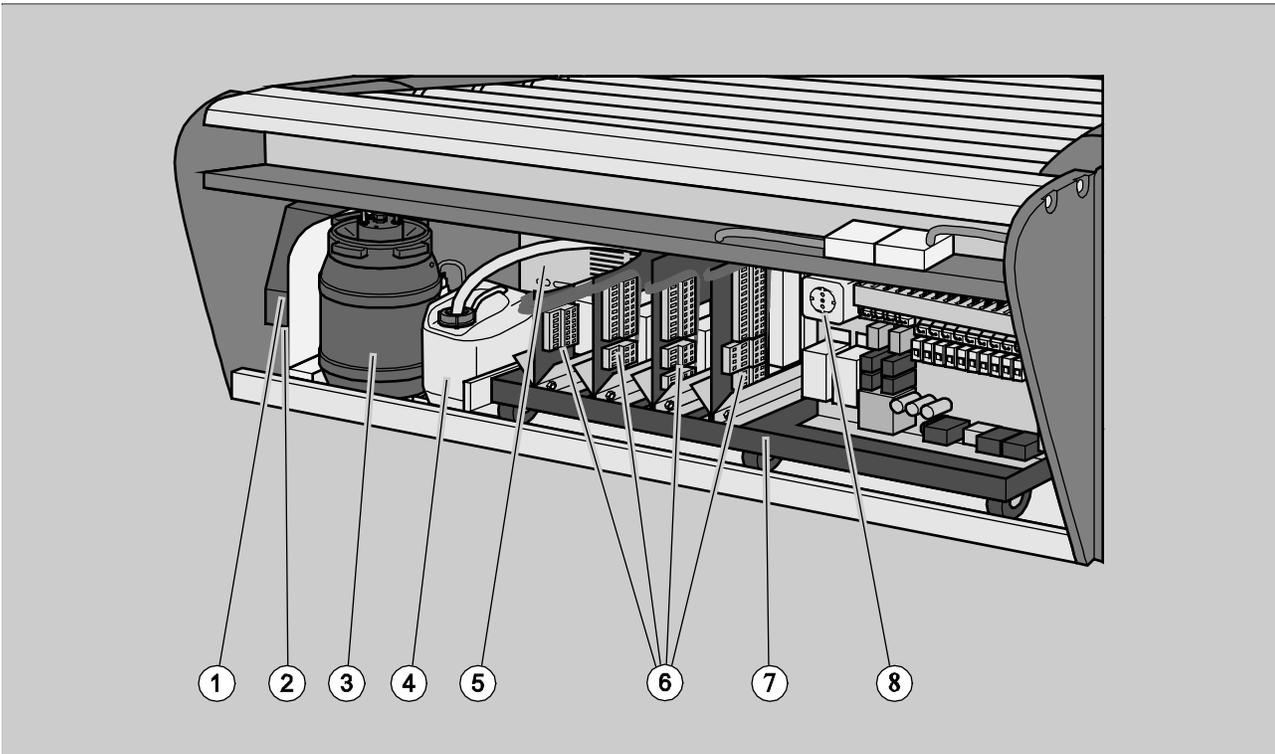
**13** Backlighting at top

## Rear view of the unit



- 1** Exhaust air stack
- 2** Fan for body cooling at the facials
- 3** Entry stud for supply cables of external timer and loudspeakers
- 4** Entry stud for power supply
- 5** Type labels

# Inside view of bench with components



- 1** SunHaze aroma system (optional)
- 2** Aroma cartridge for SunHaze system (optional)
- 3** SunFresh-container (optional)
- 4** Condensation water (AC) container (optional)
- 5** AC unit (optional)
- 6** Ballasts inserts
- 7** Ballast tray
- 8** Power supply for purification system inside SunFresh container

## Preface

The purpose of this manual is to assist you in the safe and proper installation and operation of the high performance tanning unit Sunlamp Model HP 24/22: HELIX™, herein referred to as “Futuresun HP” or “sunbed”

This manual is addressed to:

- service personnel,
- authorized and skilled electrical personnel,
- qualified tanning salon personnel and
- end-users

Every person who

- transports,
- assembles,
- starts,
- operates,
- set the controls,
- maintains,
- cleans,
- disassembles,
- stores or
- disposes of

this sunbed has to make sure that this manual has been carefully read and that its contents is fully understood. Keep this manual in a place close to the sunbed for further reference.

## Format

Various elements in this manual show a standardized format to make it easier to distinguish between standard text elements,

- detailed lists or
- ⇒ steps of action

 These notes contain hints and information on the economic use of the sunbed.

References to chapters are set in *italics*.

## Description

The Futuresun HP is a high-performance tanning bed exclusively designed for use in commercial tanning salons.

The technical layout was designed for power, performance and reliability.

The unit is equipped with 22 low-pressure lamps, 20 high-intensity body, 2 high-intensity shoulder(optional) and 4 high-intensity facials.

The filters and reflectors used for the facials and body have received several layers of a proprietary coating, which focuses and filters the tanning efficient UV-light. The infra-red emission (heat) is conveyed back into the unit. This technology and the integrated design of filters, reflectors and lamps allow for an increased tanning intensity at lower wattages and reduced energy consumption.

The equipment ventilation was designed for fault-free operation under heavy duty use with back-to-back sessions. The intensity of the body cooling can be individually adjusted as well as the direction of the airflow. As an additional option an air conditioning unit provides a well-tempered tanning ambience.

With the electronic control panel the user can choose individual set-ups for AC-unit, body cooling, intensity of facials, music volume etc. during a tanning session. The display also shows accrued session time. On the operator level a special code gives access to various set-up selections and maintenance options.

The Futuresun HP can be equipped with additional features. Optional features are the active shoulder tanner with two HID fields which emit additional tanning power for the shoulder region. A strong turbo fan provides extra cooling for the face and upper body area. In combination with the active shoulder tanner the SunHaze aroma function and the SunFresh watermist option are also available. The turbo fan conveys the selected aroma into the tanning tunnel and maskss the typical tanning odor. With the SunFresh option there is a special nozzle located at the Turbo fan which sprays a finely vaporised watermist onto the upper body region. Both functions are available to the customer on an "on demand" basis.

Further options are loudspeakers, air conditioning unit incl. condensation water container and pump, heat recycling system and accessories for connecting the unit to the on-site exhaust system.

# Safety Instructions

In this chapter you will find information on the proper and improper use of the sunbed, obligations of the operator, residual risks and general and specific dangers.

Read this chapter carefully prior to first operating the sunbed.

The operator is obliged to make sure that all safety instructions are known, understood, and strictly observed.

If you sell or in any other way dispose of the sunbed, include this Owner's Manual with the shipment.

- ① Please send the name, address, phone or fax number of the new owner immediately to Advanced UV Light or its authorized local/national distributor in order to provide up-dates about important or unexpected safety actions to the new owner.

## Safety instructions – further details

In this manual you find the following categories of safety instructions and notices:

	<b>DANGER!</b> Notices containing the word <b>DANGER</b> refer to a dangerous situation which can result in fatal or serious injuries.
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	<b>WARNING!</b> Notices containing the word <b>WARNING</b> refer to a dangerous situation which can eventually result in fatal or severe injuries or damages to goods and property.
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	<b>CAUTION!</b> Notices containing the word <b>CAUTION</b> refer to a situation which can result in minor injuries or damages to goods and property.
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## Obligations of the Operator

Advanced UV Light GmbH is not responsible for any damages caused by improper use of the sunbed or disregard of the instructions provided in this manual.

- The operator of the Futuresun HP must ensure that only skilled and authorized personnel assembles this sunbed ready for use and operates, maintains, and cleans it.
- The operator must make the following documents available to all staff performing transport and assembly work, and/or performing operation, maintenance and cleaning jobs:
  - this manual,
  - all applicable standards and regulations for the prevention of accidents at the work place and provisions for a safe workplace-environment,
  - all additional national standards which are applicable.
- Operator must also ensure that all safety instructions are strictly observed.
- Operator guarantees that only skilled personnel with the necessary expertise assembles this sunbed ready for use and only specifically trained staff operates, maintains and cleans this sunbed.
- Before and during any use of the sunbed, the operator or a person authorized by the operator must ensure that:
  - the proper use of the sunbed is guaranteed and
  - all safety standards are observed.

## Proper Use of the Sunbed

Only adults whose skin is suitable for cosmetic tanning are allowed to use this sunbed.

The following persons are not allowed to use a sunbed:

- children and young adolescents under age,
- persons with increased sensitivity to UV-light,
- persons with allergic reactions caused by UV-light exposure,
- persons with skin diseases who should not tan,
- persons with coronary and circulatory diseases,
- persons with a history of skin cancer or an hereditary inclination of developing skin cancer
- persons with symptoms of disease,
- persons with other unidentified health problems, or persons with pacemakers
- under medication or using medication which may have adverse effects in combination with UV-light exposure.

Proper use of the sunbed include observation of the following directives:

- observe recommended exposure times according to individual skin type at all times!
- always wear protective eye-wear!
- Operate this sunbed only in commercial tanning salons, fitness studios or beauty salons subject to the supervision and control of specifically trained staff.

Proper use of this sunbed also includes diligent consideration of all the information provided in this manual and especially to follow all safety instructions.

Every other use of the sunbed is regarded as improper and may result in damages to goods or property and eventually cause serious personal harm. Advanced UV Light GmbH is not responsible for damages or injuries caused by improper use.

## Improper Use of the Sunbed

The use of this sunbed by

- children or young adolescents under age,
  - persons suffering from diseases,
  - persons with pacemakers,
  - persons disregarding the recommended exposure times
  - persons not wearing protective eye-wear
- are improper uses of this sunbed and may cause serious personal harm.

Advanced UV Light GmbH is not responsible for personal damages caused by improper use.

## Notice of Residual Risks

This sunbed is designed according to state-of-the-art standards and in compliance with current safety regulations, as well as relevant technical standards. The construction is designed to prevent potential dangers or to make provisions for eventual risks. In spite of these provisions, there still remain residual risks when using this sunbed.

Eventual risks for persons, as well as goods and property, can be caused by:

- operation of the sunbed in an improper way,
- use of the sunbed in an improper way
- transportation of the sunbed in an improper way,
- the start up/turn off of the sunbed in an improper way,
- maintenance or cleaning in an improper way.

## Basic Safety Instructions

- Observe all Safety Instructions attached to the sunbed and provided in this manual.
- Only authorized and skilled staff is allowed to transport, assemble, start-up and disassemble the sunbed.
- Service personnel of Advanced UV Light GmbH and its authorized distributors' are considered as trained staff with the necessary expertise. This also includes skilled electrical personnel who, due to their training and expert knowledge, can provide appropriate handling and service and who are aware of all potential dangers.
- Avoid any use or handling which may result in safety risks.
- Transportation, disassembly, assembly, maintenance and cleaning jobs (i.e. of low-pressure lamps) must only be performed after the unit has completely cooled down.

## Electrical connection

- Operation of the sunbed is only allowed if the unit is connected and secured on the site, in compliance with the technical requirements as stated on the type label and in accordance with local electrical standards.
- Operation of the sunbed is only allowed, if the mains disconnection switch, is installed at the site.
- Ensure that liquids ( i. e. cleaning solution) do not get into the sunbed. Ensure that liquids inside the sunbed (SunFresh container and condensation water container) do not get spilled. In case any liquids have entered into the sunbed, stop mains supply immediately with the mains disconnection switch and secure with it lock and key. Take care that the unit is checked by authorized service personnel prior to operating the unit again.
- Prior to performing any jobs on the sunbed, i.e. transportation, assembly, disassembly, maintenance and cleaning, the mains supply must be switched off. In addition, the mains disconnection switch must be secured with lock and key against unauthorized or accidental turn on.

## Safety Provisions

- Use this sunbed only when in fault-free technical condition. All protection and safety devices must be assembled and in working condition.
- Use the sunbed only with installed front cover plate.
- All DANGER-labels and notices must be replaced immediately when damaged.
- Do not use the sunbed with defective filter(s) and/or timer.

## Site of Installation

- Do not install the sunbed in damp rooms or in rooms where there is a risk of explosion.
- Do not keep or store any containers with explosive materials, i.e. spray cans, close to the sunbed.
- Smoking and open flames are prohibited within proximity of the sunbed.
- Do not expose materials that may fade or suffer damage from UV-light exposure to the UV-rays emitted from this sunbed.

## Safety instructions for Operation

- Before you start to operate the sunbed, check the unit for correct set-up and make sure that all safety devices are provided and in working condition:
  - bench acrylic
  - top acrylic
  - facial filters glasses
  - exhaust air disposal
- Do not cover or block ventilation (i.e. air entries) or cooling devices to avoid potential thermal damage.
- Before and after each use, check the sunbed for obvious outer damages or defects and replace or repair immediately.
- Defects which may affect the safe operation of the sunbed must be communicated immediately to the operator/owner or the responsible person in charge. Discontinue the use of this sunbed until these defects have been removed.

## Safety Instructions for Transportation

- All devices used for transportation must be adequate to the weight of the sunbed.
- All applicable standards and regulations to prevent accidents at the workplace must be observed.
- All paths of transportation must be blocked to traffic and clearly marked to prevent injuries caused by transportation vehicles or the load.

## Safety Instructions for Cleaning

- Clean and disinfect the sunbed prior to each use. Remove other substances.
- Never clean the sunbed with abrasive or corrosive materials. Do not use any tools with sharp edges.

## Safety Instructions for Maintenance

- All maintenance instructions and intervals must be observed.
- Use only original spare parts as provided by Advanced UV Light GmbH or its authorized distributors. Using other spare parts may void warranty or render provided listings invalid.

## Safety instructions for Users

Inform users of the sunbed about the following safety instructions or make them available in printed form:

UV-light can cause severe damage to your skin and your eyes!

- Children and young adolescents under age are not allowed to use a sunbed.
- Persons with very light skin, many freckles, fair to reddish hair and light eyes and nipples are not allowed to use a sunbed.
- Always wear protective eye-wear during a tanning session and close your eyes.
- Remove contact lenses prior to a tanning session.
- Remove make-up or any cosmetics well in advance of a tanning session. Cosmetics may have unwelcome side effects and can cause adverse skin reactions.
- Take only one (1) tanning session per day.
- For the first two sessions observe an interval of 48 hours.
- For the following sessions, observe an interval of minimum 24 hours between sessions.
- After a tanning session, do not tan in the natural sun on the same day.
- Stop exposure immediately when you notice physical symptoms or adverse skin reactions. If the symptoms do not disappear after a short time, consult a dermatologist.
- Do not use drugs which promise to tan the skin without UV-light exposure in combination with a tanning session. This combination may increase the risk of a sunburn.

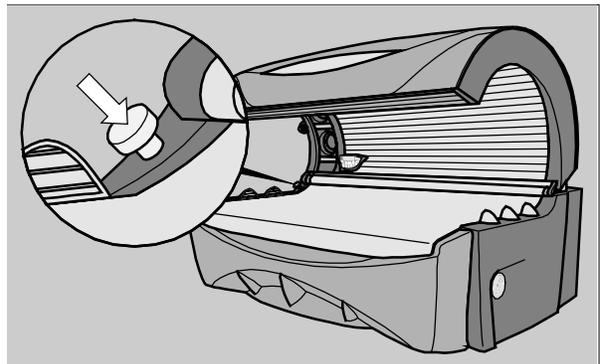
- Do not use any self-tanning creams or lotions. These products may contain ingredients which can increase the effects of UV-light exposure in an unforeseen and unwelcome way.
- Do not use any creams or lotions with a sunscreen designed for outdoor tanning. These products may contain substances which can influence the effects of artificial UV light exposure in an unwelcome way. Use only products designed specifically for indoor tanning.
- Immoderate tanning results in overexposure. If skin shows signs of blisters or sores or shows symptoms of irritation, consult physician immediately.
- Overexposure to UV-light emitted by either the sun or indoor tanning equipment can cause premature aging of the skin and increase the risk of skin cancer.
- The unprotected eye can catch conjunctivitis and in some cases overexposure can seriously damage the retina. Repeated exposures increase the risk of cataracts.

## Safety Devices

### Emergency Stop Button

In case of danger all low- and high-pressure (HID) facial lamps of the sunbed can be switched off immediately by pushing the Emergency Stop Button. The equipment ventilation continues to operate until after cooling time has expired.

⇒ Press the Emergency Stop Button.

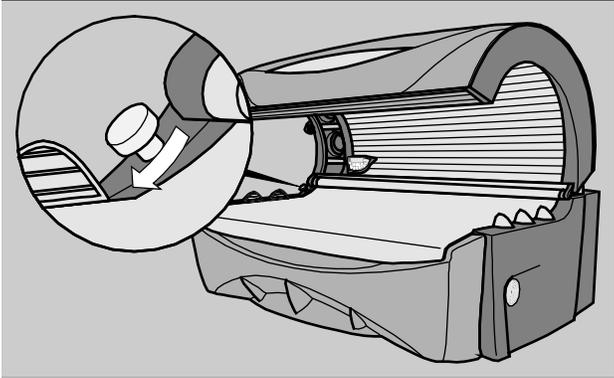


UV-lamp radiation stops immediately.

- ⇒ Open the top and leave the sunbed.
- ⇒ Inform operator.

In order to start the unit again, the Emergency Stop Button needs to be unlocked.

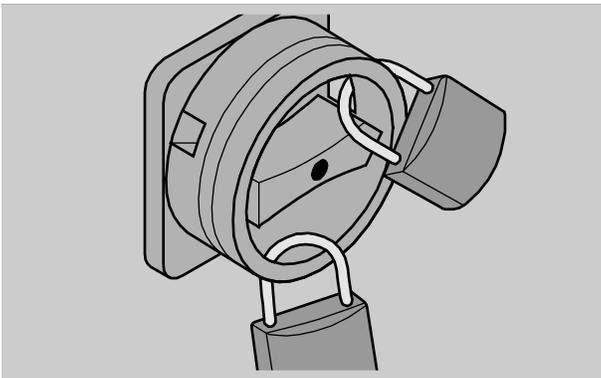
- ⇒ Turn the red button-head of the Emergency Stop Button clockwise by 90° degrees.



## Mains Disconnection Switch

The mains disconnection switch must be installed at the site.

During breaks of operation and after hours the mains supply must be disconnected with the mains disconnection switch. The switch must be secured with lock and key against unauthorized reconnection.



- ⇒ If you want to disconnect the mains supply, turn the mains disconnection switch into position “0”.

The mains supply is disconnected completely.

- ⇒ Put the lock into the opening of the switch.
- ⇒ Close the lock.
- ⇒ If you want to reconnect the mains supply, remove the lock.

- ⇒ Turn the mains disconnection switch into position “1”.

## Additional Safety Devices

The unit is equipped with the following microswitches to provide additional safety provisions:

- 24 x at the canopy filter glasses
- 1 x at the front cover plate
- 1 x at the bench acrylic
- 1 x at fan control flag switch
- 2 x at the HID fields of the active shoulder tanner

If a filter glass is defective or broken, the microswitch at the active shoulder tanner or the facial is activated.

If the microswitch at the active shoulder tanner is activated, the defective HID field is automatically shut off.

If the microswitches at the facial filter glasses are activated, the unit is automatically shut off.

In each case the error message is shown on the display of the control panel. For information on the error codes, see the chapter “*Error Codes*” in this manual.

The error message needs to be confirmed.

- ⇒ Push the “+” button for about 3 seconds in order to confirm the error message.

- ❗ It is not necessary to confirm the error message for the HID fields of the active shoulder tanner.

## Automatic Shut-Off Device

The unit is equipped with a built-in shut-off device, which automatically stops the unit after 30 minutes of operation.

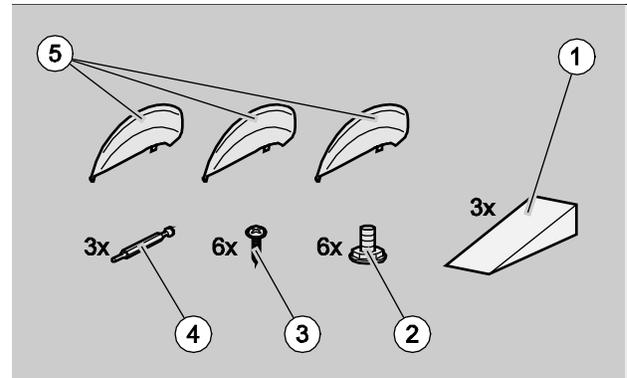
## On Delivery

- ⇒ On delivery, check the unit and the contents of the boxes for obvious or hidden transport damages.
- ⇒ In case of transport damage, notify forwarder immediately.
- ⇒ Check immediately if shipment is complete.
- ⇒ Dispose of packing material according to applicable environmental regulations.

The shipment consists of the following items:

- (1) piece on wooden pallet
  - top canopy
  - sunbed bench with ballast tray
  - top canopy acrylic
  - sunbed bench acrylic
- ballast tray (inside the sunbed)
- exhaust air stack, wrapped in styrofoam, between top canopy and sunbed bench
- additional box on top of the piece on wooden pal.
  - front cover plate
  - AC acrylic
  - box with protective eye-wear, head-rest and a copy of this manual; optional also adapter cable for MP3 or CD player
- additional box on top of the piece/wooden pal. with the shoulder tanner (optional)
- pallet with ballast inserts

Inside the sunbed bench, there is an additional box with accessories:



<b>1</b>	ramps for ballast tray
<b>2</b>	6 adjusting screws
<b>3</b>	6 screws for assembly of exhaust air stack
<b>4</b>	3 bolts for assembly of air vents top canopy
<b>5</b>	3 air vents for top canopy

The following components are optional:

- Active shoulder tanner
- SunFresh system
- SunHaze aroma system
- AC unit with water pump and sensor for condensation water and container.

# Technical Data

Dimensions	Length without active shoulder tanner	96.25"
	Length with active shoulder tanner	99"
	Depth	72"
	Height, top closed	56"
	Height, top open	67"
	Entry level	24"
Weight	Cpl. Unit without AC & optional features	1045 lbs.
	Sunbed bench	330 lbs.
	Sunbed top	380 lbs.
	Ballast tray	330 lbs.
	AC unit (optional)	66 lbs.
Lamp configuration (standard version)	Top canopy	20 x high-pressure lamps "Original Dr. Müller" (650W Plug-in)
	Sunbed bench	22 x 180 cm low-pressure lamps (160 W reflectors)
	Facials	4 x high-pressure lamps "Original Dr. Müller" (1000 W single contact, adjustable)
	Active shoulder tanner (optional)	2 x 150 W high-pressure lamps "Original Dr. Müller" single contact
Ventilation at site of installation and exhaust air	Required opening for fresh air intake – on the site	9" x 9"
	Exhaust air volume	2600 cfm
	Main exhaust air hose (flex.)	2 x diameter 12", length max. 12'
Electrical connection (only for EU-standard versions)	Operating voltage	230-240 V / 50 Hz / 3 ph NPE
	Power intake, without AC unit	ca. 18000 W
	Power intake, with AC unit	ca. 20400 W
	Power intake, with AC unit and active shoulder tanner	ca. 20750 W
	Breaker on-site	80 amp 3 phase
	On-site supply wire gauge for flexible cord	#4 gauge wire - 3 hot + 1 ground

## Requirements at Place of Installation

Minimum room size for operation & maintenance	min. 9' x 9'
Floor, level, load capacity	min. 1,8 kN/m <sup>2</sup>
Ambient temperature	50°F bis 86 °F
Relative humidity	max. 65%

## Transport



### **DANGER!**

**Only authorized and skilled personnel is allowed to transport the sunbed.**

**For use of transport vehicles: comply with operational directives and safety instructions provided by manufacturer.**



### **DANGER**

#### **BY MOVING LOAD!**

**Risk of injuries by moving load or transport vehicles. Block all paths of transport to traffic to prevent personal injuries caused by transport vehicles or the load.**



### **DANGER**

#### **FALLING LOAD!**

**Falling load may cause serious or fatal personal injuries.**

**Use only appropriate lifting devices.**



### **WARNING**

#### **FALLING LOAD!**

**Due to their heavy weight, equipment parts can cause serious bruises when falling down.**

**Wear safety shoes during transport of equipment**

On delivery, the unit is pre-assembled and fixed to a wooden pallet. Additional components are delivered in separate boxes.

### **Transport by fork-lift or lift truck**

- ⇒ If the sunbed is fixed to a pallet, move the forks carefully into the openings of the pallet.
- ⇒ For single boxes, two persons lift them individually onto the forks.



### **WARNING**

#### **TOPPLING LOAD!**

**The heavy load can cause personal injury or damage when toppling from the fork-lift during transport. Tilt the lift-arm slightly backwards to prevent the load from toppling.**

- ⇒ Lift with load with the fork-lift or the lift truck for only a few centimeters.
- ⇒ Drive the load carefully to the place of installation.

## Transport by dolly

- ⇒ 4 persons lift one box onto the dolly.
- ⇒ Move the box to the place of installation.
- ⇒ 4 persons lift the the box off the dolly.
- ⇒ Use the same procedure to move all boxes to the place of installation.

## Installation of equipment and electrical connection



**DANGER CAUSED BY INCORRECT ASSEMBLY!**

**Improperly performed installation and connection jobs may result in severe damages and fatal injuries. Assembly and electrical connection must be performed by authorized service technicians and certified electricians only.**



**CAUTION – DAMAGE TO COMPONENTS!**

**Do not kick against components. Do not scratch or damage the surfaces, i.e. with assembly tools.**

The equipment is delivered fixed to a wooden pallet. In order to lift the sunbed from the pallet, it must be disassembled and moved to the place of installation. For disassembly, transportation of single components to the site of installation and the assembly minimum four adult persons are required to perform these jobs.

For disassembly and assembly of the sunbed, you will need the following tools:

- Allan key , 6 mm
- Philips screwdriver (small, medium and large sizes)
- Flathead screwdriver (small, medium and large sizes)

## Preparations at site of installation



**WARNING HEAVY LOAD!**

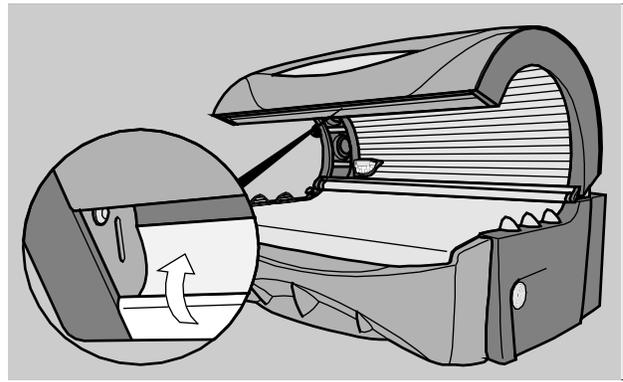
**Carrying the heavy sunbed components can result in overstrain and health risks. Always carry the big components of the sunbed with 4 persons.**

- ⇒ Move the sunbed on the pallet to the site of installation. Observe directions regarding transport, starting with page 15.

- ① For the time being, position sunbed in such a way that there is still sufficient space for assembly jobs at the rear site.

- ⇒ Remove the ribbon band.
- ⇒ Take off the two upper boxes put on top of the big box on the wooden pallet.
- ⇒ Remove the staples from the packing.
- ⇒ Remove the packing.
- ⇒ Remove padding material.
- ⇒ Open the top canopy and take out the exhaust air stack.
- ⇒ Store air stack at a safe place .
- ⇒ Take out the box with accessories inside the sunbed.
- ⇒ Store box with accessories at a safe place.

- ⇒ For the time being move the remaining boxes to a safe place for storage.
- ⇒ Take the manual out of one of top boxes (box is marked).
- ⇒ Remove all remaining packing materials and foils.
- ⇒ For the time being the protective foils for the high-gloss parts may remain on the unit to prevent scratches.
- ⇒ To remove the wooden boards, take off the upper cardboard lid of the box and the side cardboards panels first.
- ⇒ Remove the styrofoam between top canopy and sunbed.
- ⇒ For the time being, let the sunbed still sit on the wooden pallet.

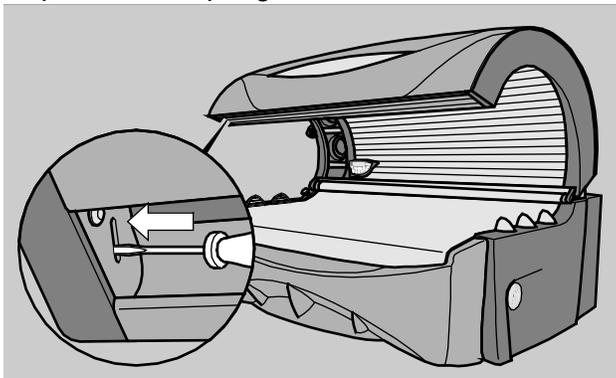


- ⇒ To protect the sunbed and the top canopy acrylic put a piece of styrofoam or some other soft padding material between the sunbed and the top canopy acrylic.
- ⇒ Lower the top canopy acrylic carefully and let it rest on the sunbed.

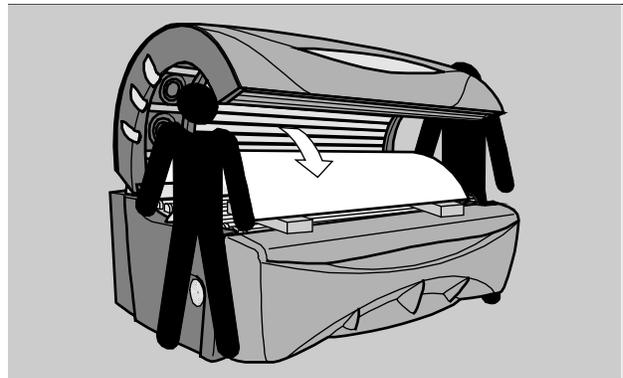
## Disassembly

### Disassembly of top canopy acrylic

- ⇒ Open the top canopy .
- ⇒ Turn off the mains disconnection switch and secure against activation with lock and key.
- ⇒ Put a screwdriver into the slot at the top profile and push in the spring.



- ⇒ Turn the profile inwards.



- ⇒ Disconnect the control panel plug at the rear side of the top canopy acrylic.
- ⇒ Put your index finger into the opening at the rear side of the top canopy acrylic and pull the plug upwards(1.).
- ⇒ Then pull the plug at the cable end out of the smaller opening (2.).

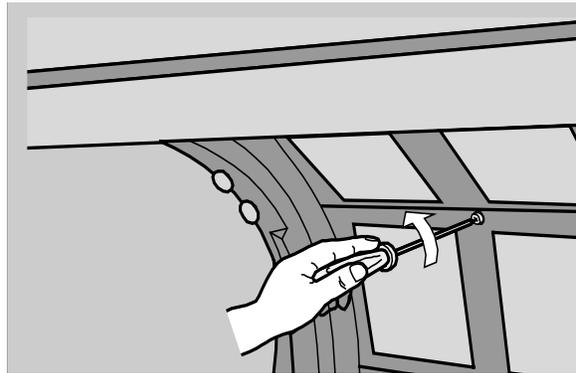
canopy)



**WARNING – Glass Breakage!**

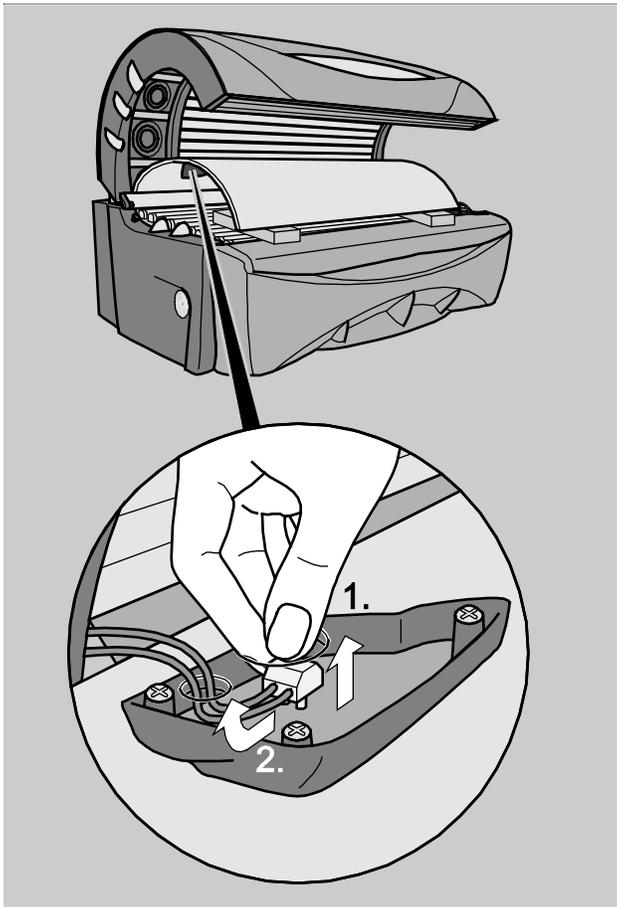
**Defective filter glasses can cause serious cuts by glass splinters when touched with bare hands. Wear protective gloves.**

- ⇒ Support the filter glass with one hand to prevent it from falling down when you release metal latch
- ⇒ Use a flat-head screwdriver to release the metal latch.

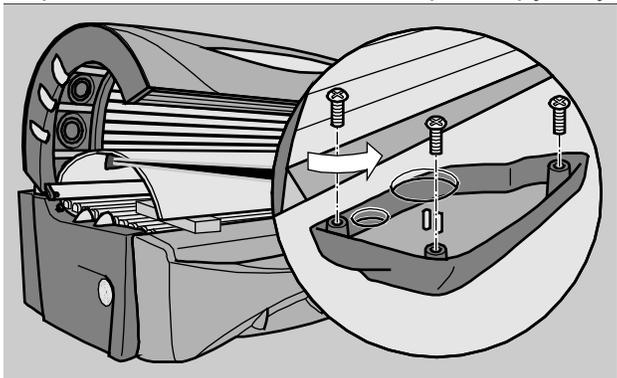


- ⇒ Take out the filter glass following the direction as indicated by the arrow below.

Note The contact pins of the HID quartz lamp are of different sizes. When re-assembling the lamp, do observe correct position and fit of contact pins.



- ⇒ To unscrew the control panel from the top canopy acrylic, loosen the three (3) screws of the control panel at the rear side of the top canopy acrylic.



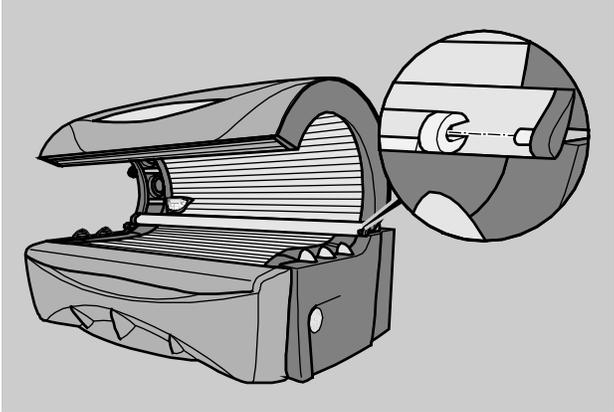
- ⇒ Two persons lift the top canopy acrylic off the sunbed.

**Removal of filter glasses (top**

⇒ Store the sunbed acrylic on a soft, even support.

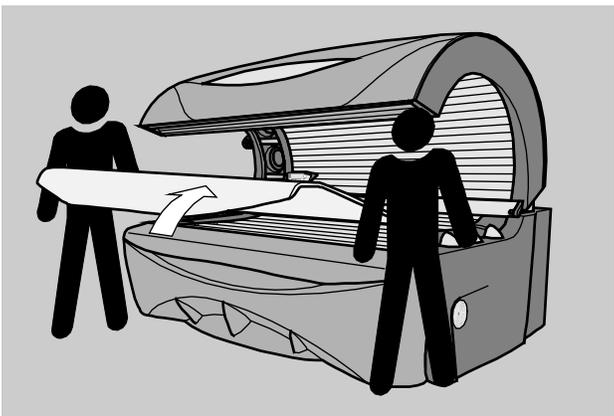
## Removal of sunbed acrylic

The sunbed acrylic is positioned on the sunbed. The acrylic is connected to a profile at both ends of which there are hinge joints. With these hinge joints the acrylic is fixed to the hinge bolt.

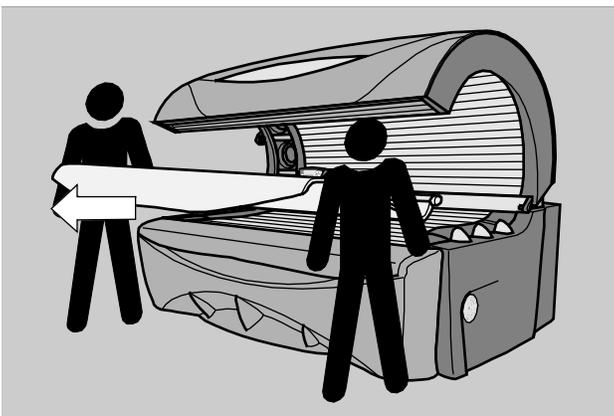


To remove the sunbed acrylic from the sunbed, proceed as follows:

- ⇒ Get a soft, even support for the acrylic ready.
- ⇒ Two persons lift the sunbed acrylic for approx. 30 cm.



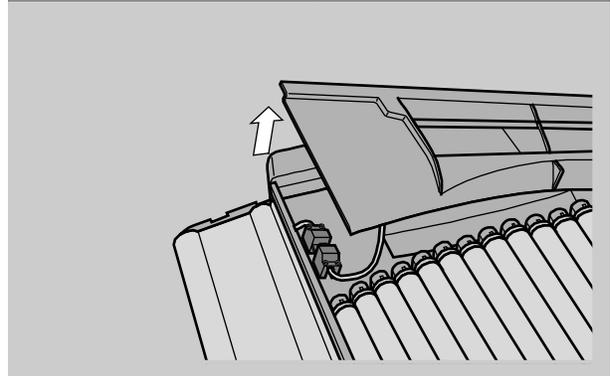
⇒ Take out the sunbed acrylic pulling carefully forward.



## Removal of lamp coverings out of the sunbed

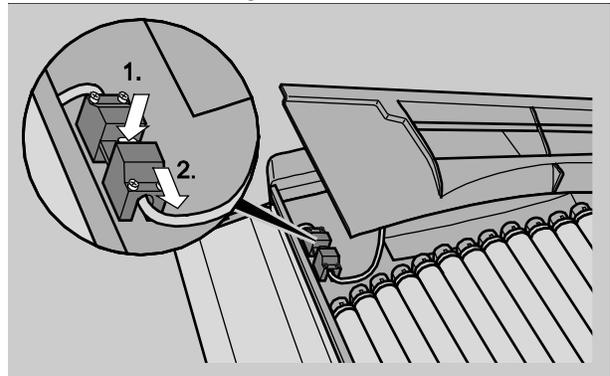
To cover the lamps at the head- and footend side of the sunbed, there are lamp coverings. These must be removed in order to disassemble the air vents. Proceed as follows:

⇒ Lift the lamp covering at the headend side.

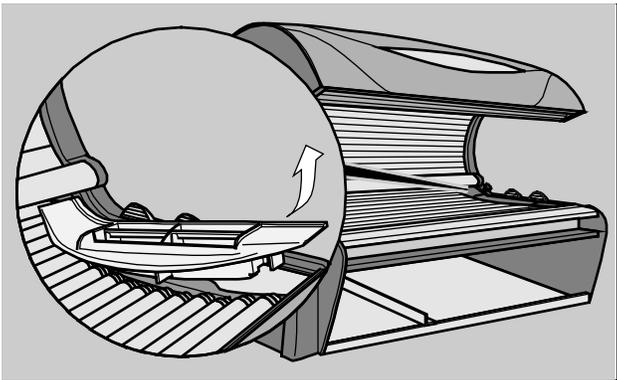


To remove the plug for the backlighting of the front cover plate, proceed as follows:

⇒ To loosen the plug connection, push the button between the plug and the plug connection down (1) and pull the plug out of the connection (2).



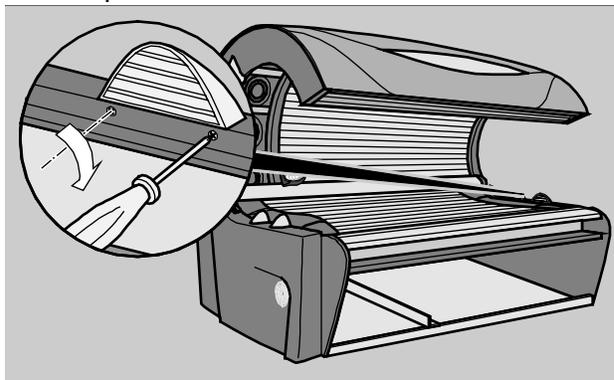
⇒ Take out the lamp covering at the footend side.



## Disassembly of air vents

For the Futuresun HP standard version, there are air vents at the head- and footend side of the sunbed. Two air vents at the headend, three air vents at the footend. The optional version with active shoulder tanner features only the three air vents at the footend. The air vents can get damaged or scratched during assembly work. Therefore the air vents must be disassembled. Proceed as follows:

- ⇒ Use of screwdriver to loosen the two screws at the side panel of the sunbed.

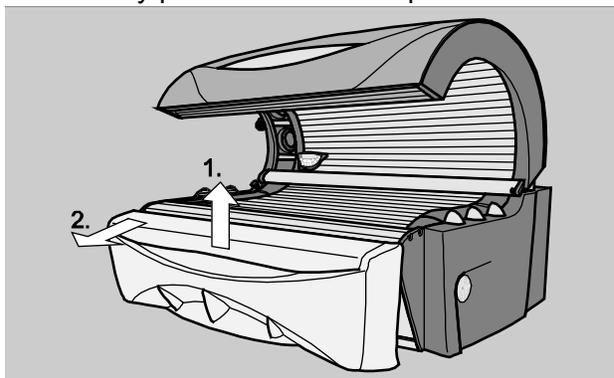


- ⇒ Take off the air vents pulling carefully upwards.
- ⇒ Follow the same procedure in order to remove the remaining air vents.

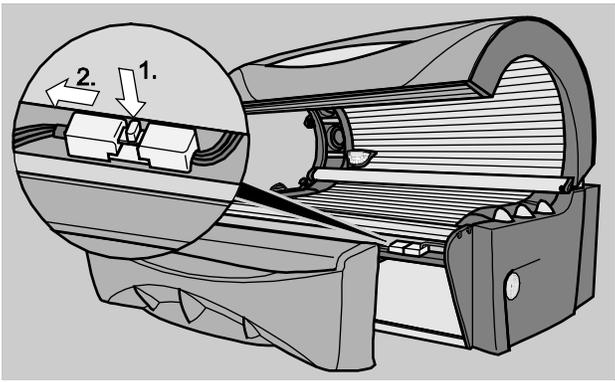
## Disassembly of front cover plate

The front cover plate is positioned onto the profile strip of the sunbed. The front cover plate contains the backlighting device. The backlighting is connected to the sunbed with a plug. In order to disassemble the front cover plate, proceed as follows:

- ⇒ Lift the front cover plate upwards (1.) and then carefully pull the front cover plate a bit forward (2.).



- ⇒ To loosen the plug for the front cover plate backlighting, push the button between the plug and the plug connection down(1).
- ⇒ Pull the plug out of the connection (2).



- ⇒ Remove the front cover plate completely.
- ⇒ Store the front cover plate and keep it safe from eventual damage or scratches.

### Removal of ballast tray

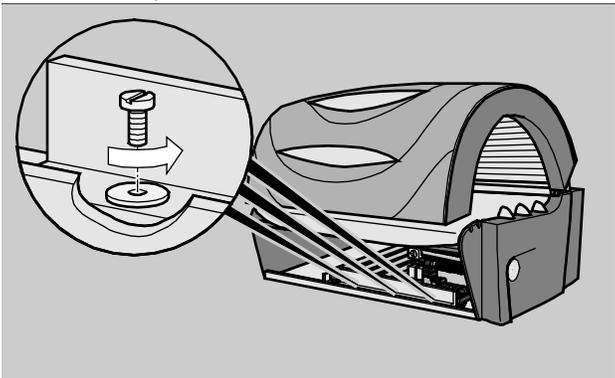


#### **DANGER RISK OF ELECTRIC SHOCK!**

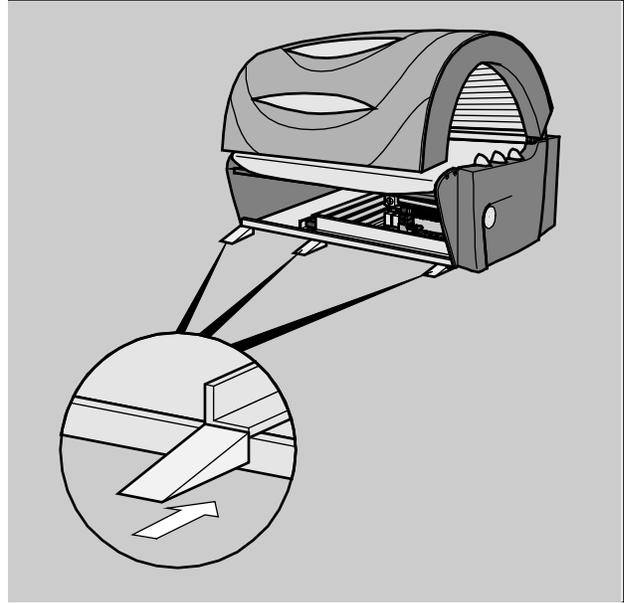
**When pulling out or pushing in the ballast tray, wires and cables can get pinched or damaged. Proceed cautiously when moving the ballast tray. Make sure that wires and cables do not get caught between ballast tray and sunbed.**

During transport the ballast tray is positioned inside the sunbed. The ballast tray is secured by a bracket to prevent it from moving during transport. To pull out the ballast tray out of the sunbed, proceed as follows:

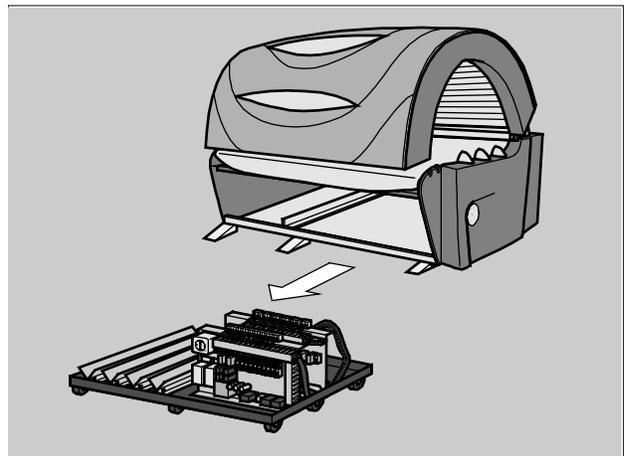
- ⇒ Use a screwdriver to loosen the three screws of the transport bracket and take off the bracket.



- ⇒ Put the ramps for the guide rails of the ballast tray next to the groove of the sunbed.



- ⇒ Then carefully pull out the ballast tray out of the sunbed for about 30 cm.



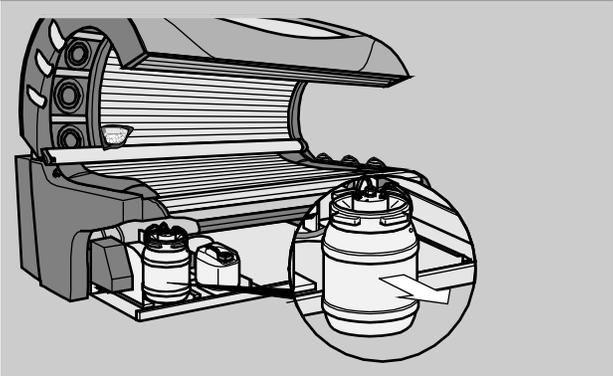
#### **WARNING HEAVY LOAD!**

**Carrying the heavy components of the sunbed can cause overstrain and result in health damage. Always carry the high and heavy components of the sunbed with four persons.**

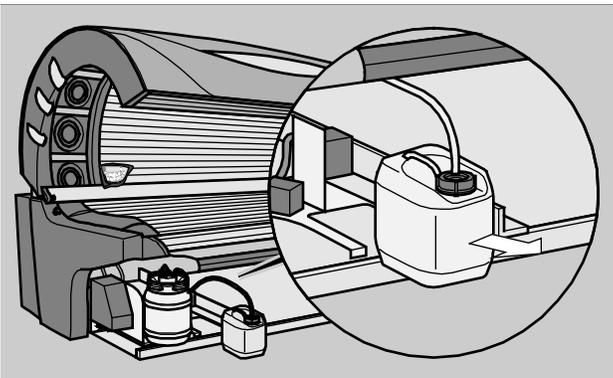
- ⇒ 4 persons lift the ballast tray out of guide rail.
- ⇒ Take the cardboard box with accessories out of the sunbed.

## Removal of SunFresh-Container (optional) and condensation water container (optional)

- ⇒ Take the SunFresh container with the hoses from the separate assembly plate for SunFresh container/condensation water container.

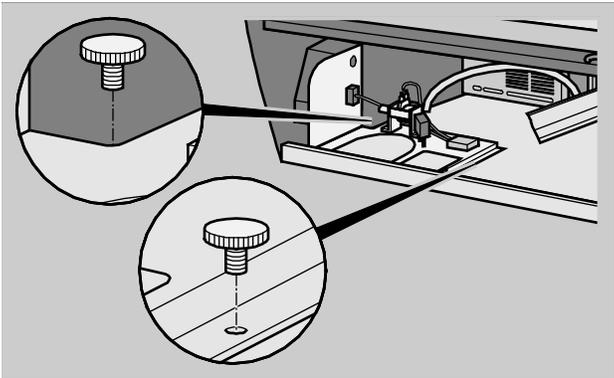


- ⇒ Take the condensation water container from the assembly plate.
- ⇒ Take the condensation water container out of the sunbed.



## Removal of assembly plate for SunFresh-container/condensation water container

- ⇒ Loosen the two thumb screws at the assembly plate of the SunFresh container/condensation water container.



- ⇒ Remove the assembly plate for the SunFresh container/condensation water container.

## Disassembly of top canopy

At the right and left side of the top canopy there are hinge brackets. These hinge brackets rest in the hinge bearings of the sunbed bench. These hinge bearings are at the right and left side of the sunbed bench. In order to disassemble the top canopy 4 persons are needed. Proceed as follows:

- ⇒ Straighten out the cables which lead from the top canopy into the sunbed.



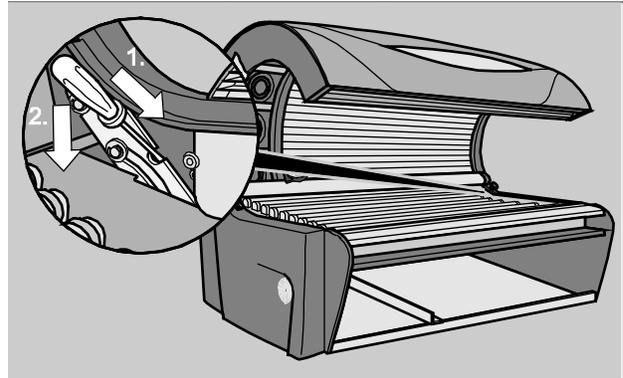
### WARNING

#### RISK OF BRUISES!

When disassembling the top canopy there is the risk of bruising your hand.

When lifting the top, do not hold on to hinge brackets.

- ⇒ At the head and footend of the sunbed bench, put a screwdriver into the notch at the foremost bar of the rear hinge bracket (1).
- ⇒ With the screwdriver lift the balls at both sides simultaneously out of the guide forks (2).



### CAUTION

#### RISK OF DAMAGES TO THE EQUIPMENT!

To prevent scratches or damages to the top canopy and the sunbed, put a piece of styrofoam between the top and the sunbed.

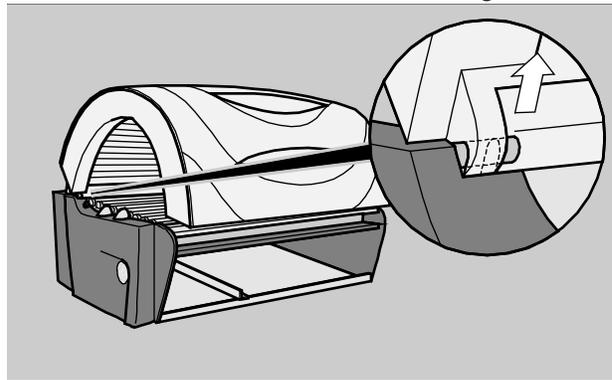
- ⇒ Close the top canopy.
- ⇒ Remove the screwdriver.

**WARNING**  
**RISK OF STUMBLING!**  
 When carrying the top canopy the cables may cause stumbling.  
 Make sure that all cables are fixed to the top canopy.

**WARNING**  
**HEAVY LOAD!**  
 Carrying the heavy components of the sunbed can lead to overstrain and health risk.  
 Always carry the heavy components of the sunbed with 4 persons.

Of the 4 persons, one person each stands at the front right and left side of the sunbed and one person each at the rear right and left side of the sunbed. The person at the rear side closest to the cable entry, pulls the cables out of the opening of the sunbed and makes sure that nobody trips over the cables.

- ⇒ 4 persons lift the top canopy, tilting it slightly forward to take it out of the bearings in the sunbed.

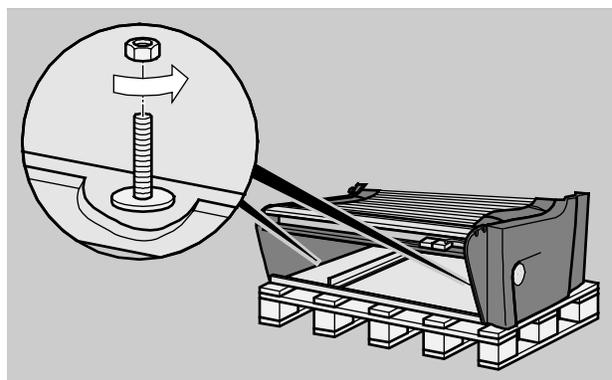


- ⇒ One person at the rear side of the sunbed pulls the cables out of the opening in the sunbed.
- ⇒ Wind up the cables.
- ⇒ Store the top canopy on an even, soft support.

### Removing the sunbed from the wooden pallet

The sunbed is fixed with a bracket to a wooden pallet. These brackets are screwed with hexagonal screws to the sunbed and to the wooden pallet. To remove the sunbed from the wooden pallet, proceed as follows:

- ⇒ Loosen the nuts of the hexagonal screws at the right and left side of the ground plate of the sunbed.



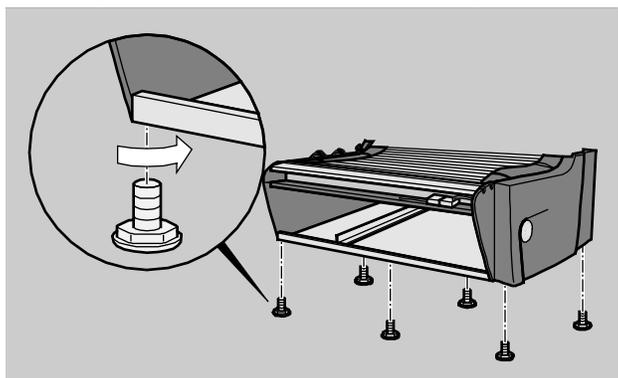
- ⇒ 4 persons lift the sunbed off the wooden pallet.
- ⇒ Put the sunbed on two padded dollies. Take care that one dolly each supports the side panels.
- ⇒ Move the sunbed to the final place of installation.

- i** Position the sunbed at the final place of installation in such a way, that there is still sufficient space to perform the assembly of the exhaust air stack and the electrical connection.

## **Assembly of adjusting screws**

In order to put the sunbed at the final place of installation into a level position, assemble the six adjusting screws. Proceed as follows:

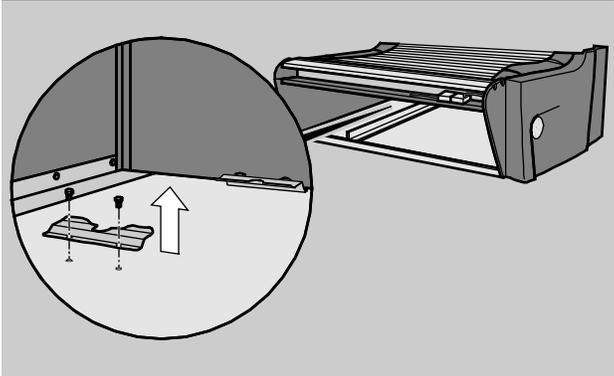
- ⇒ Take the six adjusting screws out of the box with the accessories.
- ⇒ Screw the adjusting screws to the head-middle and footend side of the bottom of the sunbed.



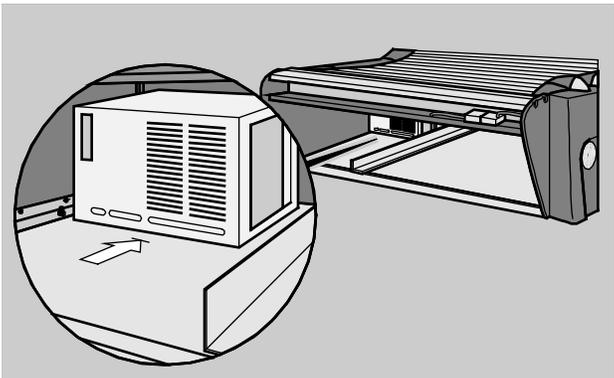
## Assembly of the sunbed

### Assembly of AC unit and condensation water pump (optional)

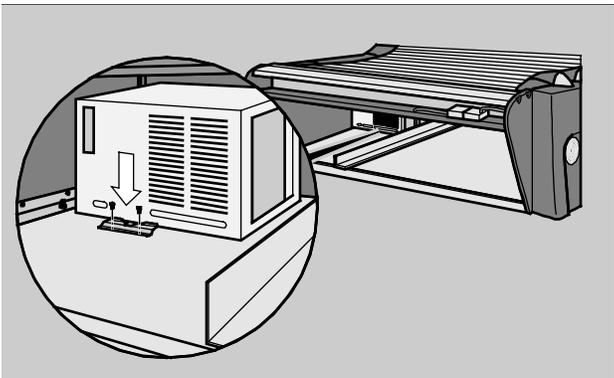
⇒ Loosen the two screws of the foremost bracket.



⇒ Push in the AC unit up to the stop bar.

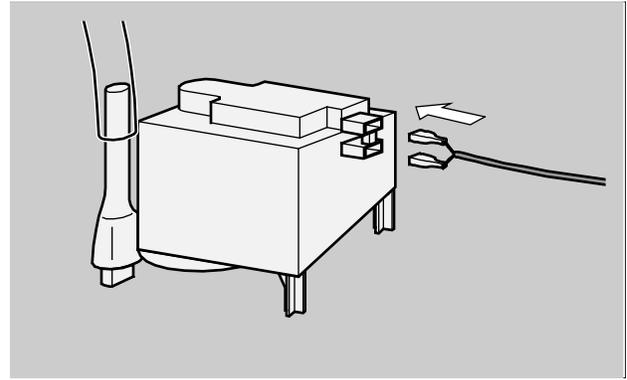


⇒ Re-install the foremost bracket.



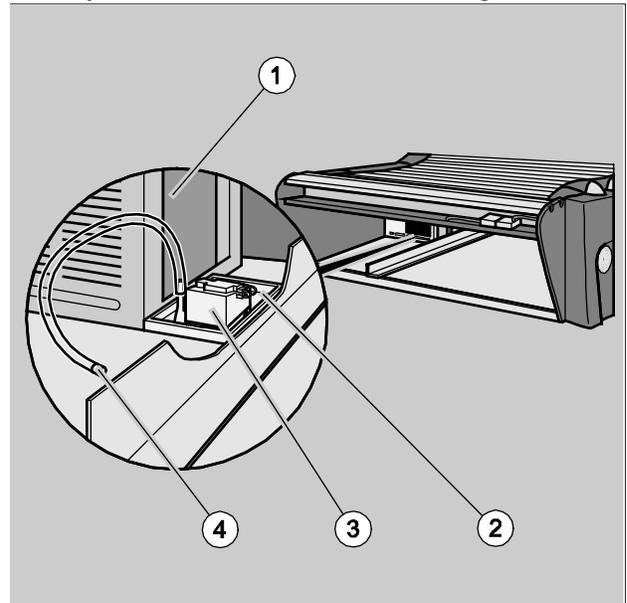
⇒ Put the water trough below the condensation water exit of the AC unit.

⇒ Connect the two supply cables to the condensation water pump.



⇒ Put the condensation water pump onto the water trough.

Survey of AC unit and AC water trough:



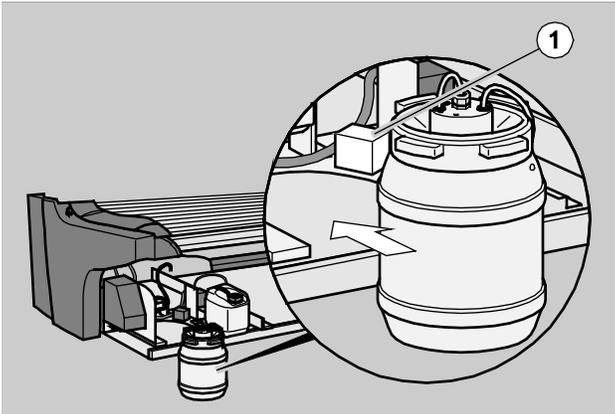
<b>1</b>	AC unit
<b>2</b>	Condensation water trough
<b>3</b>	Condensation water pump
<b>4</b>	Hose feeding the condensation water container

⇒ Put the hose from the condensation water pump into the lid of the condensation water container.

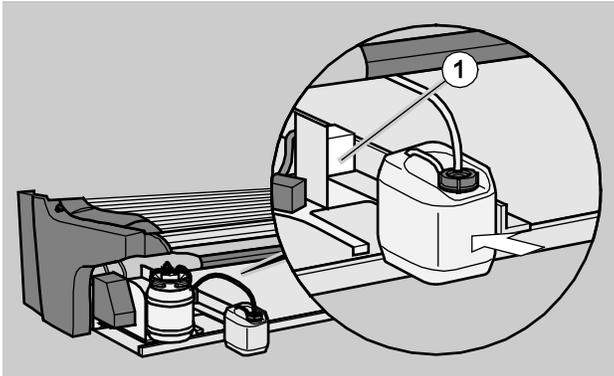
### Assembly of SunFresh container and

## condensation water container

⇒ Put the SunFresh container in such a way into the fixing brackets that it touches the sensor (1).



⇒ Put in the condensation water container in such a way into the fixing brackets that it touches the sensor(1).



## Assembly of active shoulder tanner (optional)

The active shoulder tanner is to be assembled to the headend of the sunbed. The active shoulder tanner is controlled by the control panel.

All the connections of the active shoulder tanner must

be connected to the corresponding terminals at the ballast tray. Detailed information on the connections and assignment of terminals is provided in the enclosed wiring diagram. In order to assemble the shoulder tanner, proceed as follows:



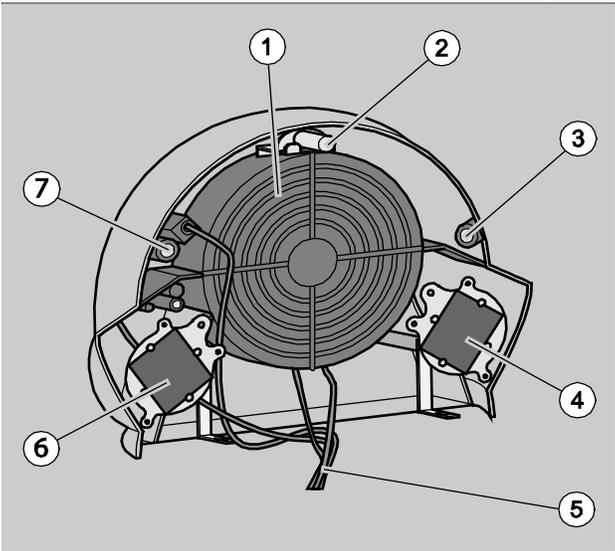
### **DANGER OF ELECTRIC SHOCK!**

**Only certified electricians according to EN 60204-1/VDE 0113 are authorized according to current EVU-standards to perform the electrical connection.**

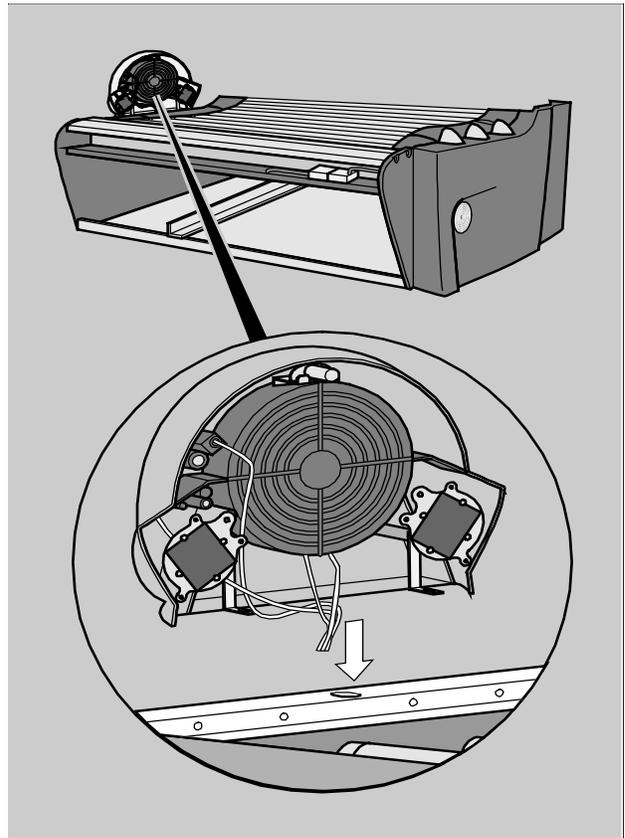
**For export units: Local/national standards and regulations apply.**

- ⇒ Eventually, you may have to disassemble the air vents at the headend side first as described on page 21
- ⇒ Take the shoulder tanner out of its transport box and remove all packing material.
- ⇒ Remove the screws at the right and left side above the HID lamps.
- ⇒ Take the cover off the shoulder tanner.

View of the shoulder tanner without cover plate:

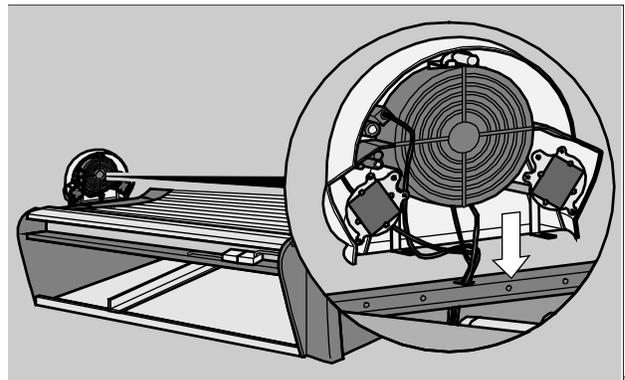


<b>1</b>	Fan
<b>2</b>	Nozzle
<b>3</b>	Valve exit
<b>4</b>	HID-Lamp
<b>5</b>	Supply cables
<b>6</b>	HID-Lamp
<b>7</b>	Valve entry

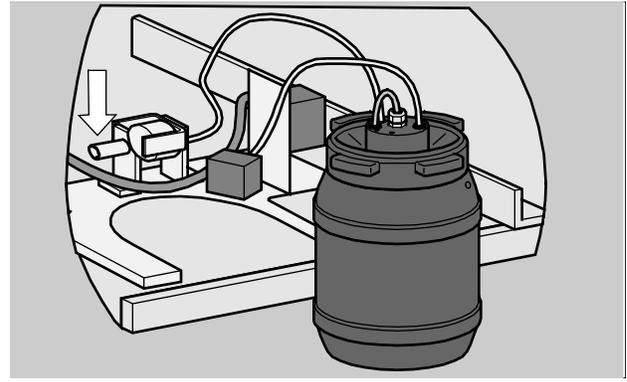
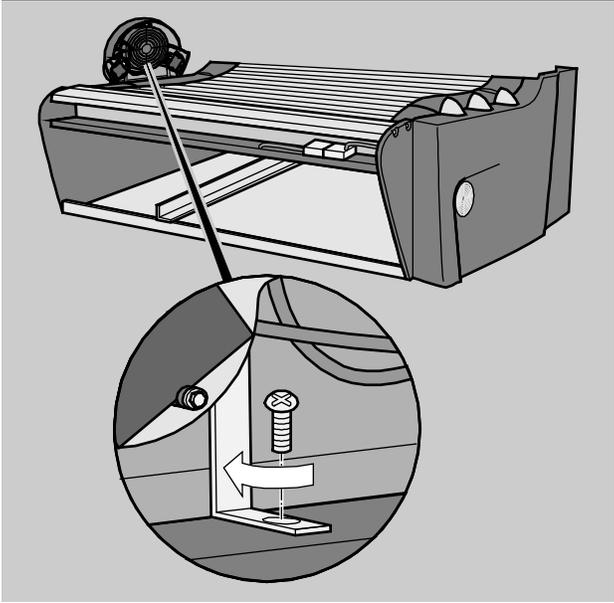


⇒ Put the shoulder tanner onto the headend side endcap.

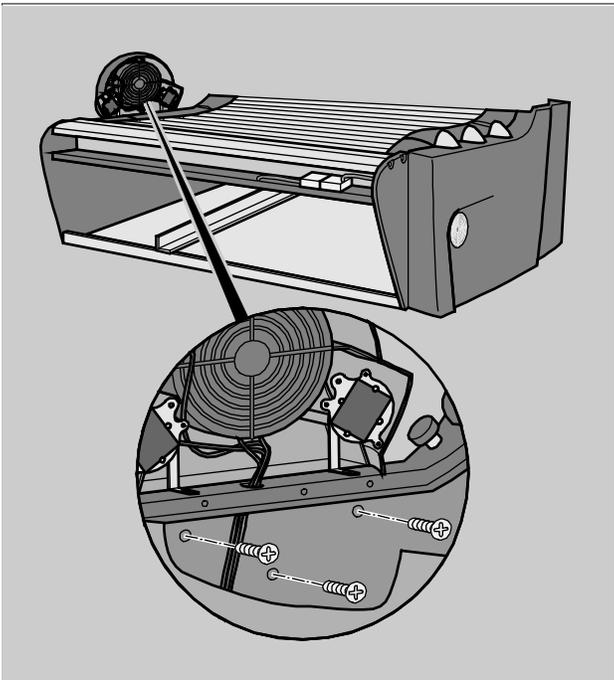
⇒ Feed in the supply cables of the shoulder tanner into the opening at the headend side endcap of the sunbed.



tanner onto the headend side endcap.



⇒ Fix the shoulder tanner from inside the sunbed with three screws.



⇒ Put the cover plate back onto the shoulder tanner and screw tight.  
⇒ Connect the feeding hose (blue) from the shoulder tanner to the pump of the SunFresh container.

## Assembly of SunHaze-Aroma-System (optional)



### WARNING

### RISK OF POISONING!

Do not eat the gel in the aroma cartridge. If, by accident, a person has eaten of the gel, contact physician immediately.

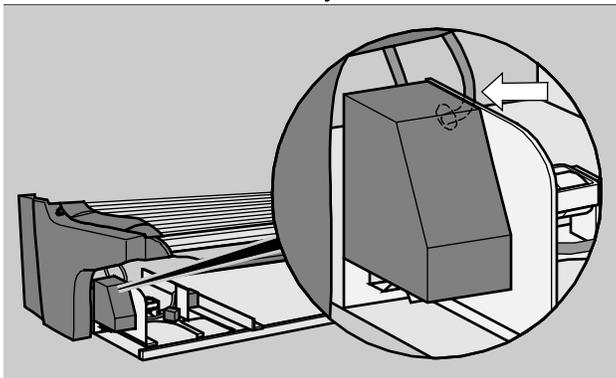
- ❗ The aroma system can only be used in combination with the active shoulder tanner.

The fan in the active shoulder tanner emits the scented air into the tanning space. A fan device above the aroma cartridge sucks in the aromatized air and conveys it into the airstream of the active shoulder tanner fan.

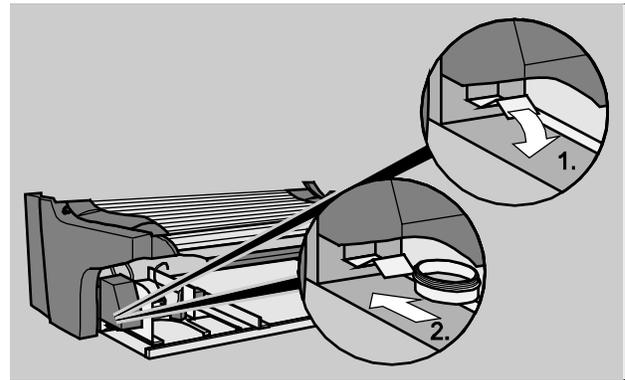
- ❗ Aroma cartridges with different scents are available. For different scents and replacements contact your distributor.

In order to connect the SunHaze aroma system and to instal the aroma cartridge, proceed as follows:

- ⇒ Connect the hose from the shoulder tanner (red) to the SunHaze aroma system.



- ⇒ Take off the lid from the aroma cartridge.
- ⇒ Push the holding bracket for the cartridge down and hold down (1.).
- ⇒ Put the cartridge into the SunHaze aroma system (2.) and release brakes.



- ⇒ Let the holding bracket go.

The bracket now presses the cartridge against the SunHaze aroma system.

## Installing the SunFresh system (optional)

- ❗ The SunFresh system can only be used in combination with the active shoulder tanner.

The SunFresh system allows users to enjoy a refreshing watermist to be sprayed onto the body during a tanning session. A special nozzle in the active shoulder tanner vaporizes the water. This water is pumped to the nozzle from the SunFresh container. This container, filled with distilled water, has to be assembled onto the assembly plate for the SunFresh container/condensation water container inside the sunbed. The assembly plate is located close to the headend side of the sunbed.



## **DANGER!**

### **DANGEROUS UV-C RADIATION!**

The UV lamp in the SunFresh container uses UV-C radiation. UV-C-radiation can cause genetic changes within very short time and cause serious damage to eyes and skin. Only operate the UV-lamp when installed in the closed SunFresh container!

Use only the container supplied by Advanced UV Light and proven to be uv- and age-resistant.

Observe separate instruction attached to the germicidal device!  
**WARNING**



### **RISK OF POISONING!**

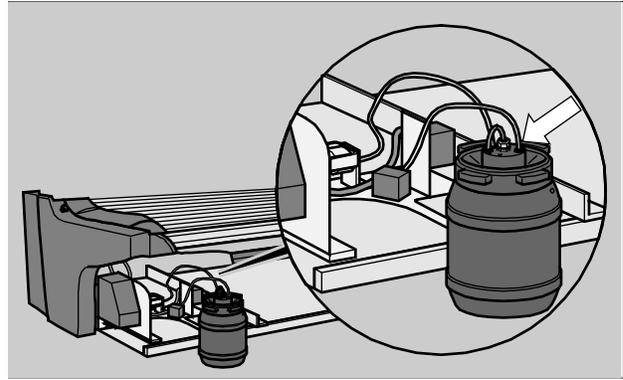
The UV-lamp in the germicidal device contains mercury. In case of breakage, remove mercury with a suitable pump with active charcoal and take care that the room is properly ventilated.

Observe all applicable hygienic standards.

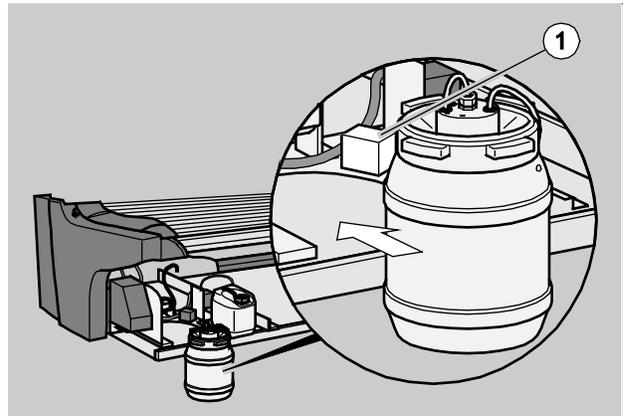
Dispose of defective UV lamp according to applicable environmental regulations.

Follow safety instructions attached to the germicidal unit.

⇒ Connect the return hose from the shoulder tanner (black) to the SunFresh container.

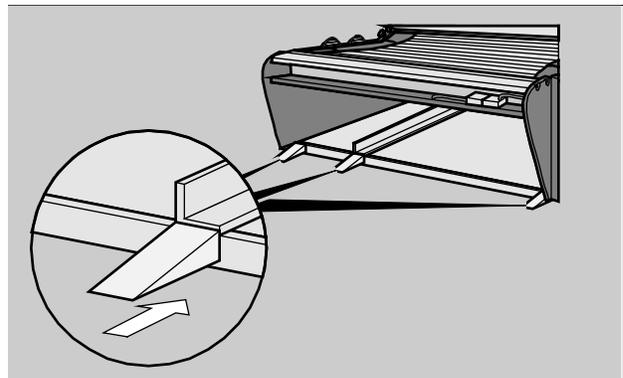


⇒ Push the SunFresh container into position until it touches the sensor (1).



### **Positioning of ramps for the ballast tray**

⇒ Put the three ramps for the ballast tray in front of the sunbed.



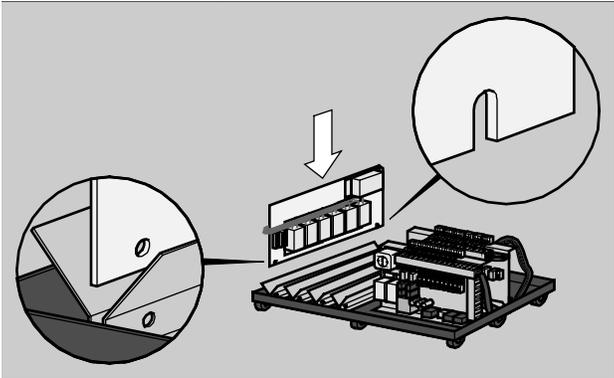
### **Positioning the ballast tray in front of the sunbed**

⇒ Put the ballast tray in front of the sunbed.

## Assembly of ballast tray inserts onto the ballast tray.

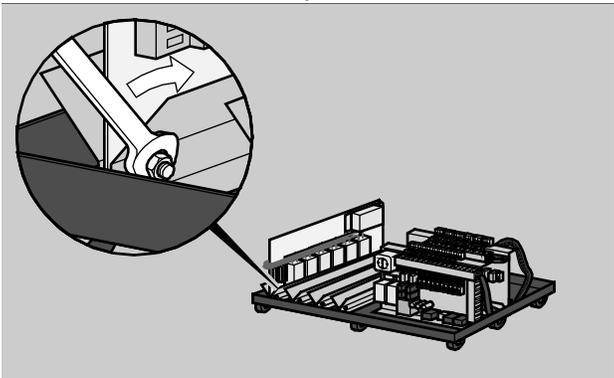
The provided ballast tray inserts must be installed onto the ballast tray. Proceed as follows:

- ⇒ Put the ballast tray inserts into the guide rails on the ballast tray.



The ballast tray inserts feature drill holes in the front and u-shaped drill holes at the rear side.

- ⇒ Screw the ballast tray inserts onto the ballast tray.



- ⇒ Follow the same procedure to assemble the remaining ballast tray inserts.

## Preparing the electrical connection



### DANGER

#### RISK OF ELECTRIC SHOCK!

Only a certified electrician according to EN 60204-1/ VDE 0113 and current EVU-standards is authorized to perform the electrical connection.

For export units: All local/national standards and regulations apply!



### DANGER

#### RISK OF ELECTRIC SHOCK!

The on-site supply connection must be secured by a suitable mains disconnection switch and an FI safety switch.



### CAUTION

#### RISK OF DAMAGE TO EQUIPMENT!

Check if electrical specifications of local mains supply system correspond with the electrical data on the type label of the unit.

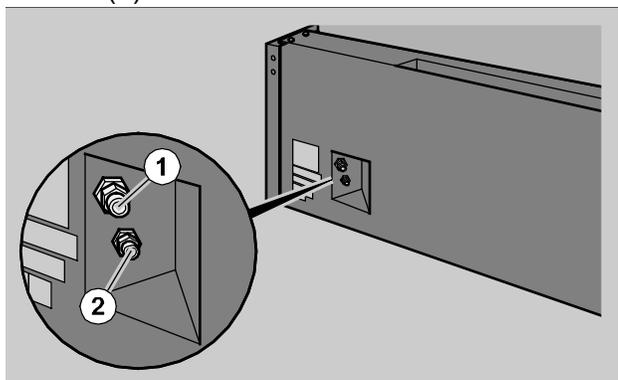
Do not connect the unit if data on the type label do not comply with electrical specifications on the site.

**DANGER**  
**RISK OF ELECTRIC SHOCK!**  
 Prior to performing further assembly steps, the unit must be secured against unintentional activation.

**DANGER**  
**RISK OF ELECTRIC SHOCK!**  
 The electrostatic load of sunbed components can cause electric shock when touched or standing close to them.  
 The unit must be grounded!

**DANGER**  
**RISK OF ELECTRIC SHOCK!**  
 Only authorized service personnel is allowed to perform initial start-up of the unit.

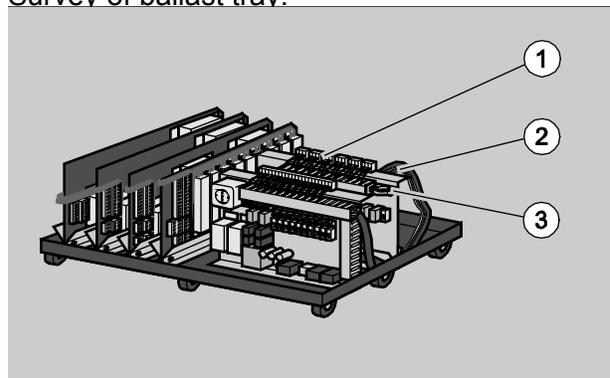
- ⇒ Turn the mains disconnection switch into position "0".
- ⇒ Put the lock into the openings of the switch.
- ⇒ Close the lock.
- ⇒ Position the unit at the site of installation in such a way that the rear side and the right and left side are still accessible.
- ⇒ Feed the supply cable of the timer device and the loudspeaker cables through the opening stud (2) at the rear side of the sunbed.
- ⇒ Feed in the mains supply cable into the opening stud (1) at the rear side of the sunbed.



- ⇒ Push about 150cm of cable through the opening stud.
- ⇒ Turn all threaded joints clockwise until all cables are fastened and are secured against slipping out.
- ⇒ Arrange cables in such a way that there is no risk of stumbling.

## Performing the electrical connection

Survey of ballast tray:



<b>1</b>	Terminals for control and sensor connections
<b>2</b>	Mains supply connection
<b>3</b>	Strain relief for mains supply connection



**DANGER**  
**RISK OF ELECTRIC SHOCK!**

**Only a certified electrician according to EN 60204-1/VDE 0113 and current EVU-standards is allowed to perform the electrical connection.**

**For export units: All local/national standards and regulations apply!**

- ⇒ Connect the mains supply.
- ⇒ Fasten the strain relief.
- ⇒ Connect the time control device as described in the attachment "Assignment of terminals".
- ⇒ Connect the ballast tray inserts to the terminals.
- ⇒ Connect the remaining terminals from the top canopy and the sunbed to the ballast tray inserts on the ballast tray. See also "Assignment of terminals".
- ⇒ Connect the connection cable of the control panel to the main PCB( display connection).

### Insertion of ballast tray

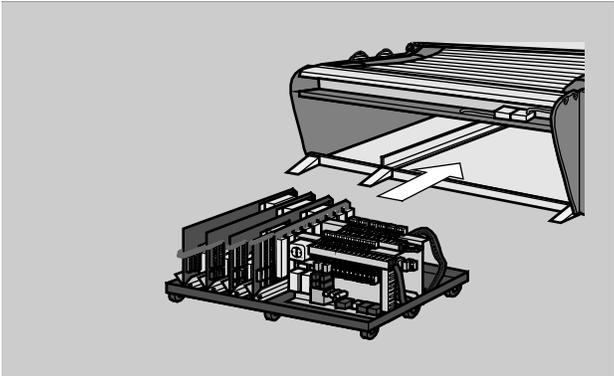


**DANGER**  
**RISK OF ELECTRIC SHOCK!**

**When pulling out or pushing in the ballast tray, cables can get pinched and damaged. Always move ballast tray carefully. Make sure that no cables get pinched between ballast tray and sunbed.**

After assembly of the ballast tray inserts, the ballast tray can be put onto the guide rails of the sunbed. Proceed as follows.  
 Futuresun HP V2

- ⇒ Put the ramps for the guide rails close to the guide rails of the sunbed.
- ⇒ In order to put the ballast tray into the sunbed, two persons slightly lift the ballast tray.
- ⇒ Put the ballast tray onto the ramps and then move it carefully into the sunbed.

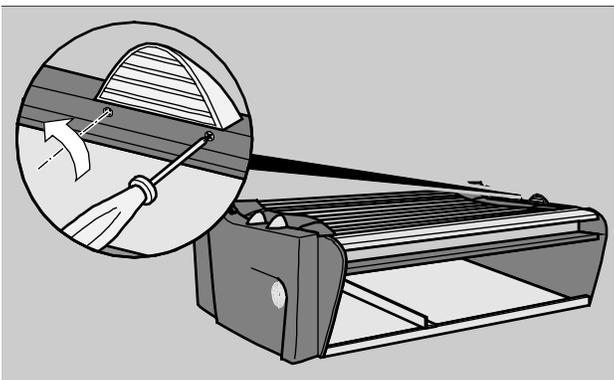


### Assembly of air vents to the sunbed

At the headend of the sunbed are two air vents, at the footend there are three air vents..

- ⓘ If the unit is equipped with the optional active shoulder tanner, the two air vents for the headend are not provided.

- ⇒ Use a screwdriver to fasten the air vents at the head- and footend.



### Assembly of top canopy



#### **WARNING RISK OF BRUISES!**

**When assembling the top canopy there is a risk of bruising your hands. When lifting the top, do not hold on to hinge brackets!**



#### **WARNING RISK OF HEAVY LOAD!**

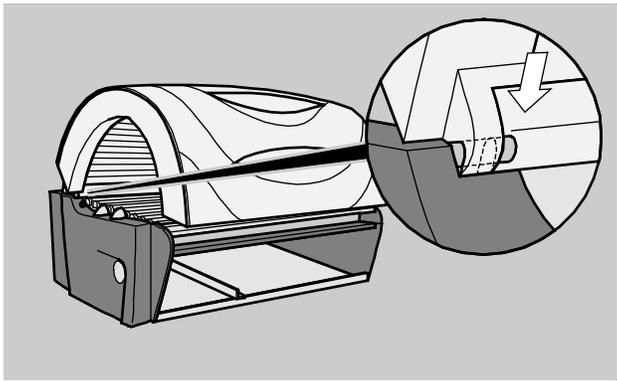
**Carrying the heavy sunbed components can lead to overstrain and health problems.**

**Always carry the heavy sunbed components with four persons.!**

After preparing the electrical connection, the top canopy can be reassembled.

Proceed as follows:

- ⇒ Lift the top canopy with 4 persons.
- ⇒ A fifth person has to carry the cables to be fed into the sunbed from the rear side.
- ⇒ Let the top canopy rest with the hinge brackets in level position above the bearings.



⇒ The two persons in the front slowly tilt the top canopy backwards, so that the balls click into the head-and footend bearings.

## Assembly of air vents at the top canopy

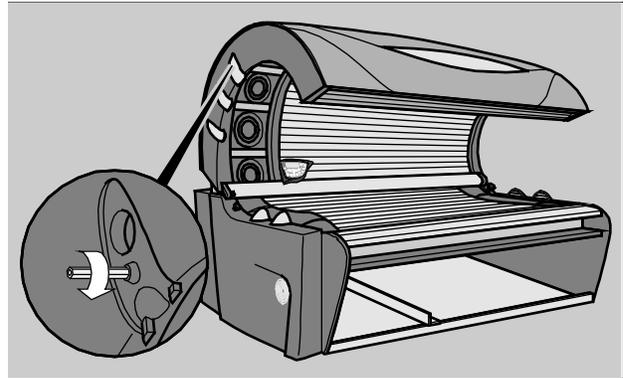
At the headend of the top canopy there are three air vents. The air vents consist of the following components:

- three air vents with adjustable vents
- three fixing bolts
- three fixing screws.

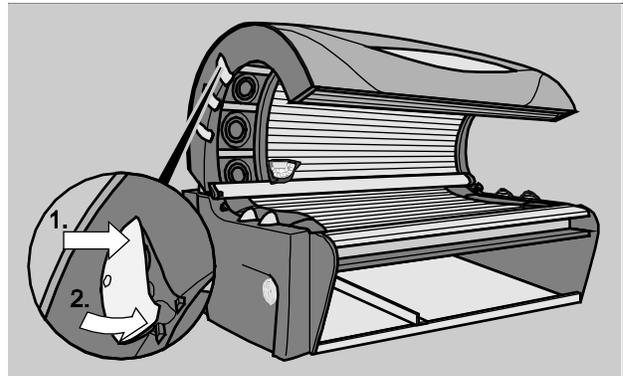
⇒ Open the top canopy.

⇒ Screw the fixing bolts into the top canopy.

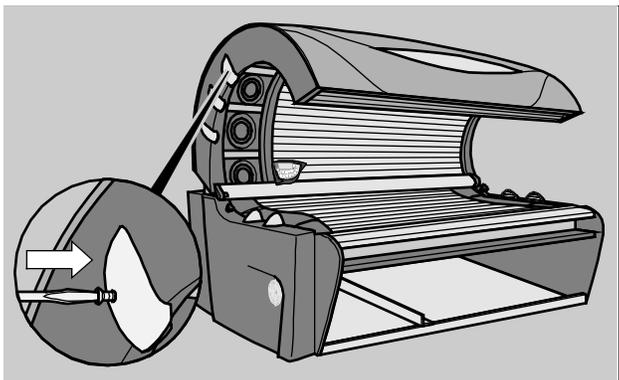
⇒ Fasten them hand-tight.



⇒ Put the air vents into the opening above the fixing bolt into the canopy (1) and push them downwards (2).



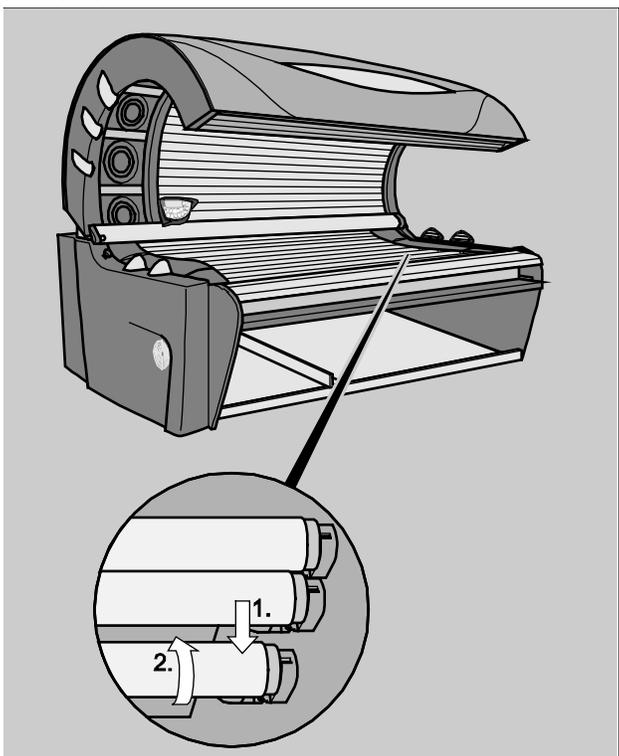
⇒ Fix the air vents with the screws to the top canopy.



⇒ Follow the same procedure for assembly of remaining air vents.

### Assembly of UV-lamps into the sunbed

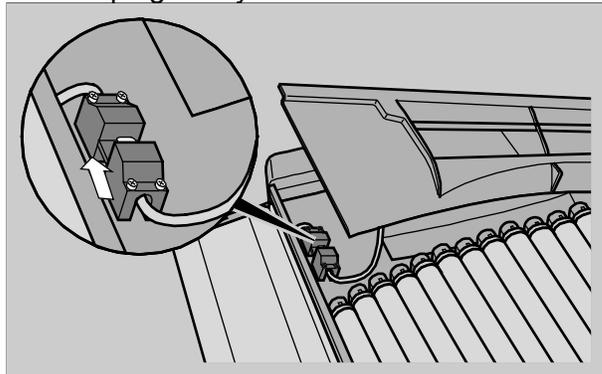
- ⇒ Wipe the lamps with a leather cloth, slightly damped in clear water or special glass cleaner.
- ⇒ Set the UV lamps in such a way into the lamp holders that the stamp is clearly in view (1.).
- ⇒ Turn the lamps by approx. 90° clockwise (2.).
- ⇒ Make sure that the stamp of the UV lamps point to the viewer.



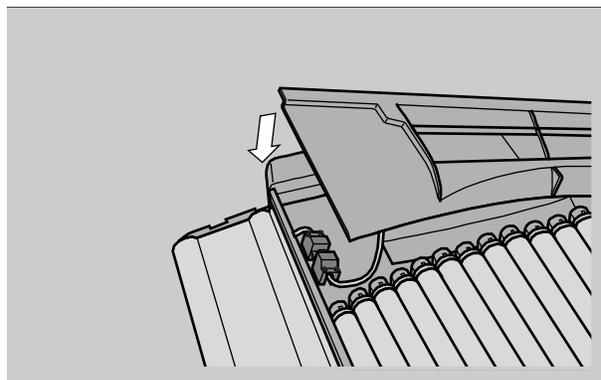
You can hear the UV lamps click into the holder.

### Assembly of lamp coverings in the sunbed

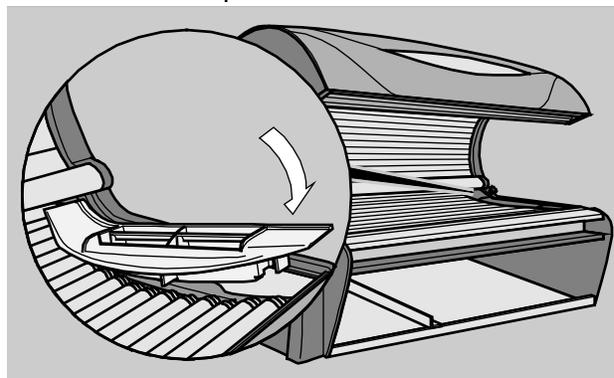
- ⇒ Take the lamp covering for the headend side and put the plug for the frontplate backlighting into the plug until you hear it click in.



- ⇒ Fit the lamp cover for the headend side into the sunbed.

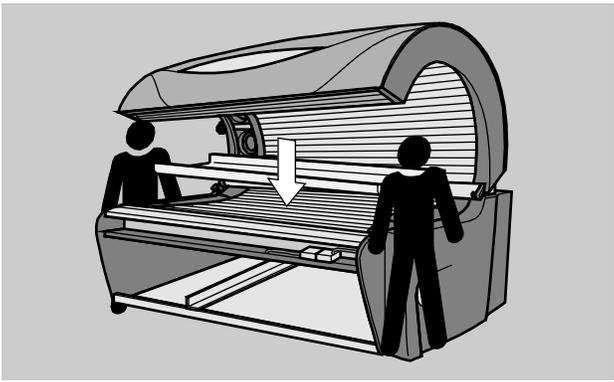


- ⇒ Put in the lamp cover for the footend side.



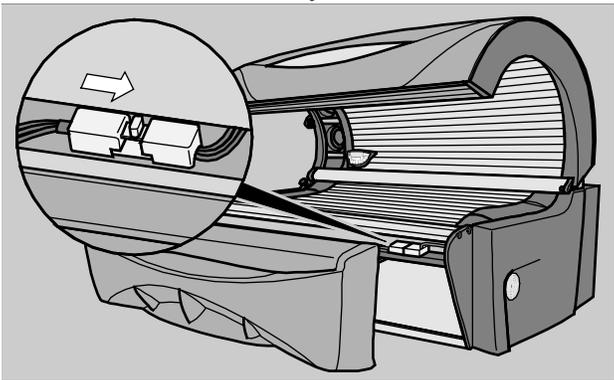
### Assembly of AC acrylic

- ⇒ Take the AC acrylic out of the transport box.
- ⇒ Two persons lift the AC acrylic carefully and fit it into the sunbed.

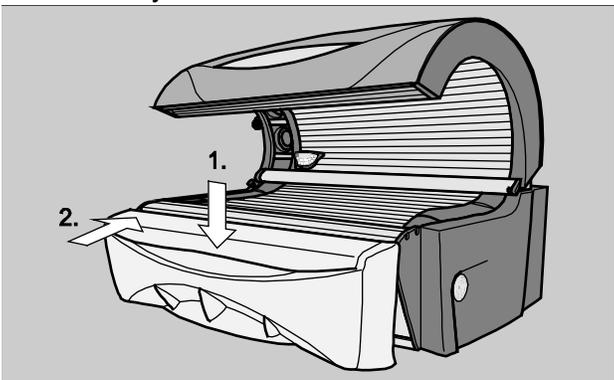


### Assembly of frontcover plate

- ⇒ Put the plug for the frontcover plate backlighting into the sunbed until you hear it click in.

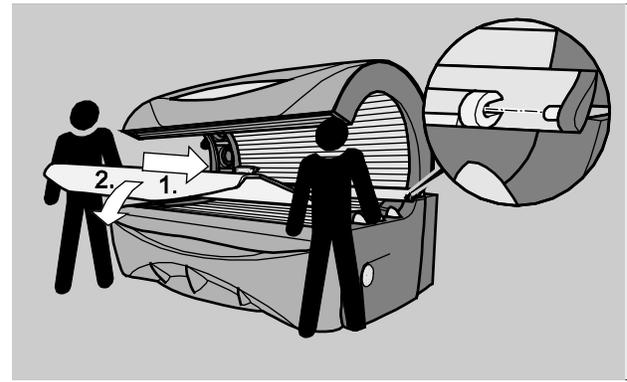


- ⇒ Two persons put the frontcover plate onto the profile groove of the sunbed (1)
- ⇒ Push in the frontcover plate in such a way (2), that it sits evenly in the groove and is in contact with the safety switch.



### Assembly of sunbed acrylic

- ⇒ Clean the acrylic with suitable special acrylic cleaning solution prior to installation.
- ⇒ Two persons fit the acrylic into the acrylic hold of the sunbed (1).
- ⇒ Let the acrylic carefully down until it touches the safety switch (2.).

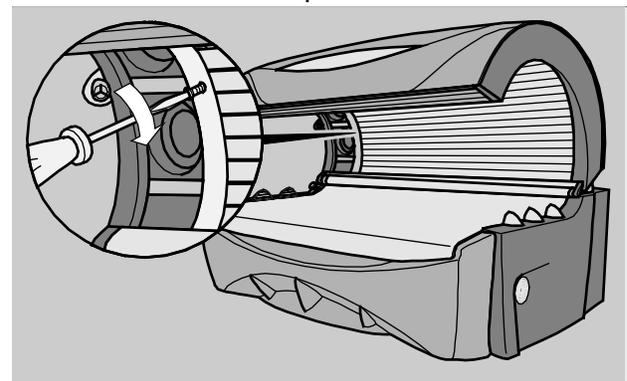


### Assembly of UV lamps in top canopy

- ⇒ Wipe the lamps with a leather cloth, slightly damped in clear water or special glass cleaner.
- ⇒ Set the UV lamps in such a way into the lamp holders that the stamp is clearly in view (1.).
- ⇒ Turn the laps by approx. 90° clockwise (2.).
- ⇒ Make sure that the stamp of the UV lamps point to the viewer.

### Assembly of cover profile

- ⇒ Remount the cover profile.

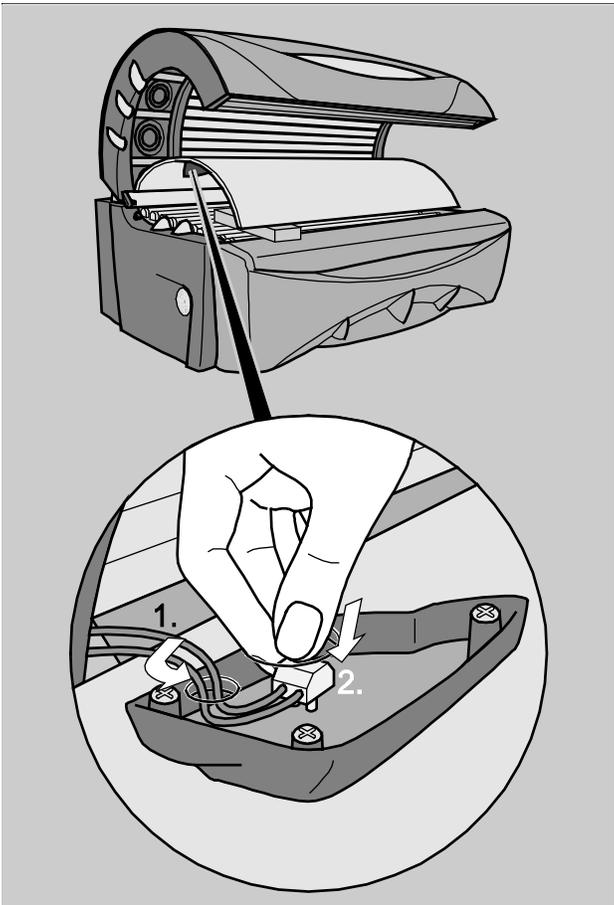


### Assembly of control panel and top canopy acrylic

	<b>DANGER</b>
	<b>RISK OF ELECTRIC SHOCK!</b>
	<p><b>When cleaning the control panel cleaning liquids can get into the control panel.</b></p> <p><b>Clean the control panel only with a dry, clean cloth.</b></p>

canopy acrylic.

- ⇒ Push the plug through the small opening at the rear side of the top acrylic (1.).
- ⇒ Then push the plug into the plug socket. (2.).
- ⇒ Clean the control panel if necessary with a dry, clean cloth.



- ⇒ Put the top canopy acrylic into the top canopy.
- ⇒ Lift the sunbed acrylic. The control cable of the control panel has to be positioned behind the control profile.

### Assembly of exhaust air stacks and exhaust air hose

At the rear side of the sunbed there are two (2) air outlets (1 and 2). On these outlets you install the

**exhaust air stacks. The air stacks are packed into a separate box and contains the following parts**

- ⇒ Remove all packing material.
- ⇒ **Two bottom parts**
- ⇒ **Two top parts**
- ⇒ **A plastic bag with metal screws**



- ⇒ **Open the box and remove box and loose packing material.**
- ⇒ **Put the bottom part of the exhaust air stack onto the air outlet.**
- ⇒ **Fix the bottom parts (2) of the exhaust air stack with 6 screws onto the air outlet (1) of the sunbed.**



If you need to connect an exhaust air hose exceeding 12 feet in length, you need to instal an additional fan. This additional fan has to able to handle the same air volume as the main fan of the unit.



- ⇒ **Put the top art of the exhaust air stack onto the fixed bottom part of the exhaust air**

## **stack**

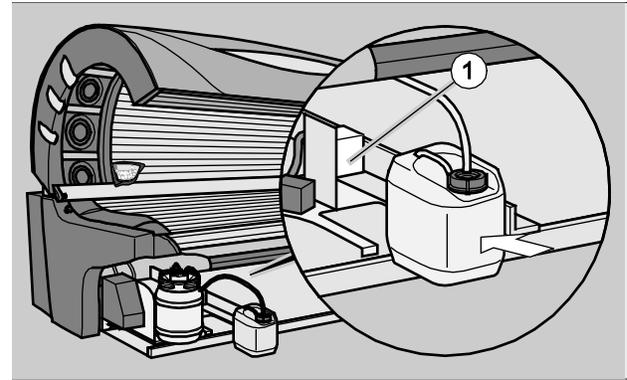
⇒ **Fix the to part (2) with 3 screws to the bottom part (1) and with 3 screws to the rear of the top plate of the unit.**



## Assembly of condensation water container onto assembly plate for SunFresh /condensation water assembly plate

The condensation water container receives the condensation water from the AC unit. The water level is controlled by a water level indicator. If the maximum water level for the condensation water container is reached, the display on the control panel shows the message “E 07”. The condensation water container is put into a holder inside the sunbed and with a hose connected to the condensation waterpump. The water pump is located close to the AC unit.

⇒ Put the container in such a way into the holding device that it touches the water level indicator (1).



⇒ For assembly of the second exhaust air stack follow the same procedure.

## Positioning of unit at site of installation

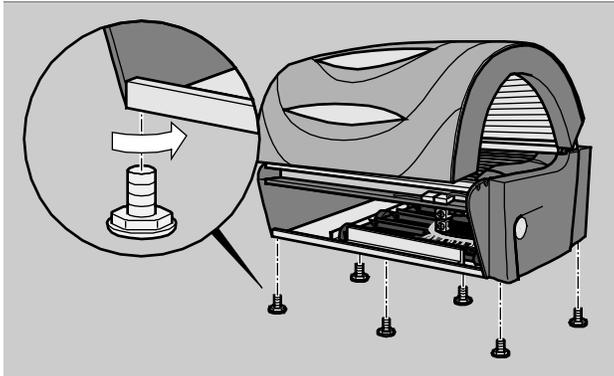
If the floor at the site of installation is uneven, the unit has to be adjusted to a level position with the provided adjusting screws. Proceed as follows:

⇒ Move the unit to the final place of installation.

- ⓘ Position the unit in such a way that on each side there is a minimum distance of 10” to the walls.

⇒ Push the adjusting screws in or out until the unit is in an approximate level position.

⇒ Use a water level to determine final level position.



## First Start-Up

Prior to first starting the sunbed, make sure that all set ups are correct and all safety features are installed, for example:

- sunbed acrylic
- top canopy acrylic
- High pressure filter glasses
- on-site exhaust air disposal into the open
- sufficient fresh air supply of minimum 2600cfm, for instance a big window or an air duct.
- function of emergency stop button

## Set Up of electronic controls



### CAUTION!

**Incorrectly performed set-up of the electronic controls can cause serious damage to the equipment. The following jobs must be performed by authorized service personnel only.**

Via the control panel you have access to the operator menu. In the operator menu mode you can set operating hours for the UV – and HID lamps. In this mode you can also select and customize certain features.

**i** The options in the operator menu can only be set up when the unit is on stand-by.

- ⇒ Turn the mains disconnection switch to “I”.
- ⇒ Push the following sequence of buttons:
  - “Body cooling top canopy”,
  - “Facials”,
  - “Body cooling top canopy”,
  - “AC unit”,
  - “AC unit”.
- ⇒ In order to get to a certain point in the menu, push the music button until the requested menu point shows up.
- ⇒ In order to change a value for the chosen menu point, push the button “+” or “-”.

### Sample set-up

The following example shows you how to select set-ups for the operator menu.

If you want to check operating hours for low-pressure lamps, for instance, proceed as follows:

- ⇒ Turn the mains disconnection switch to “I”.
- ⇒ Then press the following sequence of buttons:
  - “Cooling top canopy”,
  - “Facials”,
  - “Cooling top canopy”,
  - “AC unit”,
  - “AC unit”.

You are now in the operator menu. The operating hours for the low-pressure lamps are set up in menu point “02”.

- ⇒ In order to get to this menu point push the “Music” button twice.

Menu point “02” is shown.

- ⇒ With the buttons “+” and “-” enter the required value, for instance “500”.
- ⇒ With the “+” button you increase the value shown in the display.
- ⇒ With the “-” button you reduce the value shown in the display.
- ⇒ In order to go to the next point in the menu, press the “Music” button until you reach the required menu point.
- ⇒ In order to leave the operator menu, push the “Music” button until you have reached the final menu point.

The set up will be saved automatically.

In this sample set up, the display will indicate by a blinking point in the lower right corner that the pre-set max. operating time of 500 hours for the low-pressure lamps has been reached.

## Survey electronic control

Menu point operator menu	Value	Description	Display	OEM pre-set values	Set up options
01		Operating hours for equipment	01_>xxxxx	–	No reset function
02		Operating hours for low-pressure lamps	02_>xxxxx	–	Re-set by button combination xx
03		If the pre-set value for operating hours low-pressure lamps has been reached, a blinking point in the lower right corner of the display shows up. Entering the value “000” deactivates this function	03xxx	000	
04		Operating hours HID lamps	04_>xxxxx	–	Re-set by button combination xx
05		If the pre-set value for operating hours HID lamps has been reached, a blinking point in the lower right corner of the display shows up. Entering the value „000“ deactivates this function.	05xxx	000	
06	00-30	External control coinbox(00) or internal control (01-30)	06_00	00	
07	00-02	AC unit always off (00), AC unit on at start, then optional (01); AC unit off at start, then optional(02)	07_01	01	
08	00-01	Facials optional OFF (00) No facials OFF option (01).	08_00	00	
09	00-01	“STOP” button activated as intermediate (pause) button (00) or “STOP” button not activated as intermediate (pause) button (01)	09_01	01	
10	00-01	Cleaning function activated (00) or Cleaning function not activated (01)	10_00	01	After equipment cool-down time has expired, the display shows the demand “Clean”. After cleaning the bed, push the “Start” button to cancel this message.
11	00-50	Temperature set up for heat-recycling system	11_25	25	
12	00-01	Show-light always off (00) or show-light always on (01)	12_00	00	Select with button combination “SunFresh“ and with button “–” (off) and button “+” (on).
13	00-08	Starting level add. fan shoulder tanner	13_08	03	
14	00-08	Starting level fan sunbed	14_08	03	
15	00-08	Starting level fan top canopy	15_08	03	
16	00-03	Delayed switch-off time facials in min.	16_00	00	

# Operation



**WARNING  
UV-RADIATION!**

**UV-radiation can seriously damage your eyes and skin. Always wear protective eye-wear during tanning sessions! Do not exceed recommended exposure times.**

- ⇒ Lift the top canopy open.
  - ⇒ Lay down on the sunbed surface.
  - ⇒ Pull the top canopy down.
- The display will show total session time.

⇒ Push the “START” button.

The tanning session starts. The display will show accrued tanning time.

⇒ If you want to stop the tanning session, push the “STOP” button.

The tanning session stops.

⇒ If you want to continue the tanning session, push the “START” button again.

**i** The tanning session will only continue if there is enough tanning time left. The facials will only re-start after approx. 3 minutes (OEM pre-set cooling time); the HID lamps of the shoulder tanner will re-start after a delay time of 2 minutes (OEM pre-set cooling time).

The tanning session re-starts.

The tanning session stops after preset tanning time has expired.

- ⇒ Lift the top canopy and leave the sunbed.
- ⇒ Clean and disinfect the sunbed as described in the chapter “Cleaning”.

## Optional settings at control panel

### Facials



The intensity of the facials can be increased or reduced.

- ⇒ Push the button “Facials”.
- ⇒ To increase intensity of the facials, push the “+” button.
- ⇒ To reduce the intensity of the facials, push the “-” button.

### Body cooling at top canopy

The direction of the airflow can be adjusted with the nozzles of the air vents in the top canopy.

⇒ To change the direction of the airflow, turn nozzle into the requested direction.



The intensity of the airflow can be increased or reduced in different steps.

- ⇒ Push the button “Body cooling top canopy”.
- ⇒ To increase the intensity, push the “+” button.
- ⇒ To reduce the intensity, push the “-” button.

### Body cooling at sunbed



The intensity of the airflow can be increased or reduced in several steps.

- ⇒ Push the button “Body cooling sunbed”.
- ⇒ To increase intensity, push the “+” button.
- ⇒ To reduce intensity, push the “-” button.

### AC unit

The AC unit provides a comfortable tanning climate. When the sunbed starts, the AC unit starts automatically (OEM pre-set).



In order to switch the AC unit on or off, proceed as follows:

- ⇒ Push the button “AC unit”.
- ⇒ To switch off the AC unit, push the “-” button.
- ⇒ To switch on the AC unit, push the “+” button.

## Starting a tanning session

The unit can be started manually. You can stop and re-start the unit.



- ⇒ To start the unit, push the "START" button.

**i** The HID lamps of the facials and the shoulder tanner will only start after a short delay time.

## Stopping a tanning session

The unit can be stopped manually.



- ⇒ To stop the unit, push the "STOP" button.

## Activating the SunFresh option



- ⇒ In order to activate the SunFresh function, push the "SunFresh" button.

## Activating SunHaze aroma option



- ⇒ In order to activate the SunHaze aroma function, press the "SunHaze-aroma" button.

## Activation of active shoulder tanner



In order to switch the active shoulder tanner on or off, proceed as follows:

- ⇒ Press the button "Shoulder tanner".
- ⇒ To activate the shoulder tanner, push the "+" button.
- ⇒ To switch off the shoulder tanner, push the "-" button.

## Activating cooling fan shoulder tanner



The intensity of the airflow can be increased or reduced in several steps.

- ⇒ Push the button "Cooling fan shoulder tanner".
- ⇒ To increase intensity push the "+" button.
- ⇒ To reduce intensity, push the "-" button.

## Activating the music/volume option



The volume of the loudspeakers can be increased or diminished in several steps.

⇒

Push the button "Music".

- ⇒ To increase the volume, push the "+" button.
- ⇒ To diminish the volume, push the "-" button.

# Tanning instructions

## Who should not tan

You are not allowed to use a tanning bed, if

- you are under 18 years of age,
- you belong to skin type 1,
- your skin shows more than 50 moles,
- your skin tends to develop freckles and sunspots,
- your hair is very fair or slightly red, and you have fair eyes and nipples,
- your skin suffered from many sunburns during childhood,
- you tend to develop allergic skin reaction as a consequence of UV light exposure,
- you are suffering from coronary or circulatory problems,
- your skin shows early stages of skin cancer or if you have a history of skin cancer,
- you have a hereditary increased risk of developing malign skin cancer.

## Diminishing the risk of eventual damages to eyes and skin



Observe the following instructions carefully:

- Observe recommended exposure time as per your individual skin type (see chapter “Recommended Exposure Times”).
- Keep an interval of minimum 48 hours between first two sessions.
- If you are suffering from skin diseases, ask a physician or dermatologist prior to taking tanning sessions.
- Remove contact lenses prior to a tanning session.
- If at all, use only sun creams specifically designed for indoor tanning.
- Remove cosmetics well in advance of a tanning session.
- Be careful when taking medication. Some medications can increase the photosensitivity of your skin. In case of doubt, ask your physician or dermatologist.
- During a tanning session, always wear protective eye wear (UV-protective goggles).
- Tan only once a day. Do not tan in the natural sun on the day you have already had a tanning session.
- After a tanning session, apply a good lotion or cream to rehydrate your skin.

Do not exceed

- more than maximum three tanning sessions per week,
- more than 10 tanning sessions per month,
- more than 10 tanning sessions for a continued series of tanning. After a series of tanning sessions, allow for an extended rest interval prior to resuming tanning sessions.
- more than maximum 50 tanning sessions a year.

## Determination of skin type

In order to define individual exposure time, you need to determine your skin type. If you belong to skin type 1, tanning is absolutely not recommended.

You belong to skin type 1, if :

- your skin shows more than 50 moles,
- your skin tends to develop freckles and sunspots
- your hair is light blonde or reddish, and you have fair eyes and nipples.

In case of doubt, ask your dermatologist.

The following chart helps you to determine your skin type:

	Skin type		
	II	III	VI
Complexion	light	light/ beige	beige/olive
Freckles	few/ none	none	none
Hair colour	blonde/ brown	dark blonde/ brown	dark brown/ black
Eye colour	blue/ green/ grey	grey/ brown	brown
Nipples	light	darker	dark
Tanning	rarely	average	fast/deep
Sunburn- Frequency	always	rarely	almost never ca. 40
Minutes until sunburn develops when exposed to the natural sun	10–20	20–30	
max. number of tanning sessions per year	60	43	33

## What to do after occurrence of a sunburn or an abnormal skin reaction

- if skin starts to blister or shows other symptoms of sunburn, go and see a dermatologist immediately.
- In case of abnormal skin reactions, stop tanning immediately and consult a dermatologist.
- If sunburn occurs after the first tanning session, immediately stop taking further tanning sessions.

- Avoid skin reddening (sunburn), which may show up several hours after a tanning session. If reddening persists, reduce exposure times.
- If a sunburn occurs during a series of tanning sessions, stop tanning until symptoms disappear completely. Continue sessions at reduced exposure times and frequency with maximum two sessions a week.



### WARNING

#### RISK OF SKIN DAMAGE!

**Improper exposure times can lead to serious skin damage. If you do not use the standard lamps as quoted below, you may have to change exposure times. When using different lamps, the operator has to make sure that maximum exposure times are in accordance with applicable local/national regulations for tanning equipment and exposure times.**

**For further reference, contact your distributor for compatible lamps.**

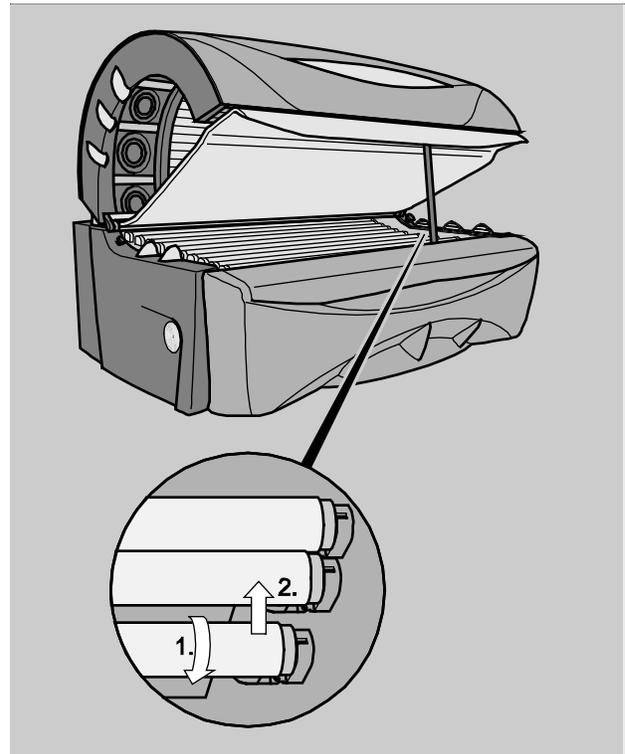
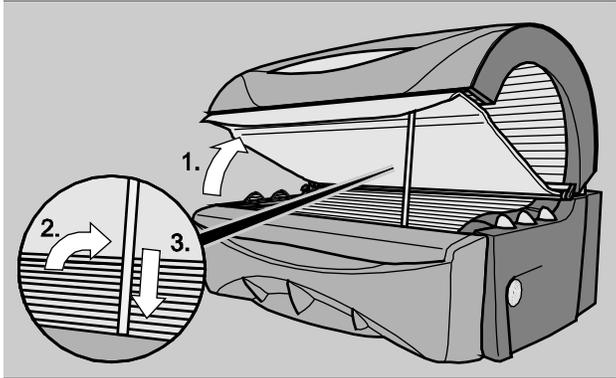
Exposure times in minutes:

Tanning session	Skin type		
	II	III	VI
1.	5	5	5
2.	6	6	6
3.	6	8	8
4.	7	10	10
5.	7	10	10
6.	8	10	10
7.	8	10	10
8.	9	10	10
9.	9	10	10
10.	10	10	10
11.	10	10	10
12.	10	10	10
For each following session	10	10	10

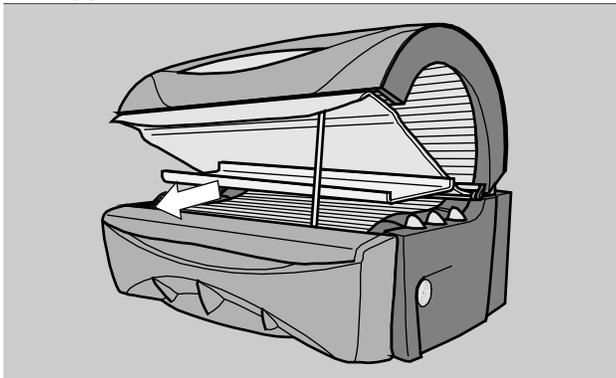
## Removing UV lamps out of the sunbed

When you want to replace the UV-lamps in the sunbed, proceed as follows:

- ⇒ Turn off the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Push up the sunbed acrylic (1.).
- ⇒ Push up the acrylic support (2.) and push it slightly downward (3.).



- ⇒ Lower the sunbed plexi until it rests against the plexi support.
- ⇒ Take the AC acrylic off and store it on a soft, even support.



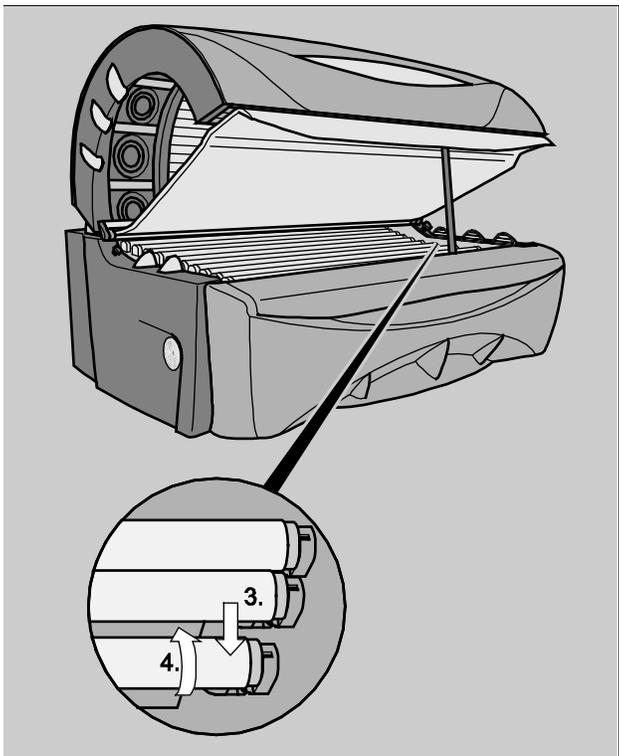
- ⇒ Turn the UV-lamp for approx. 90° clockwise.
- ⇒ Take the UV-lamp out of the holder



## Assembling UV lamps into sunbed

 **CAUTION**  
**HEAT RISKS FOR EQUIPMENT!**  
Incorrectly installed reflector lamps can cause heat problems and damage the equipment.  
When using reflector lamps, make sure that the lamp stamp is clearly visible to the viewer.

- ⇒ Wipe UV lamps with a leather cloth damped with special glass cleaner or clear water.
- ⇒ Set the UV-lamps into the holder (3.).
- ⇒ Turn the lamps by 90° counter clockwise (4.) and make sure that the stamp on the lamp is clearly visible from the front.

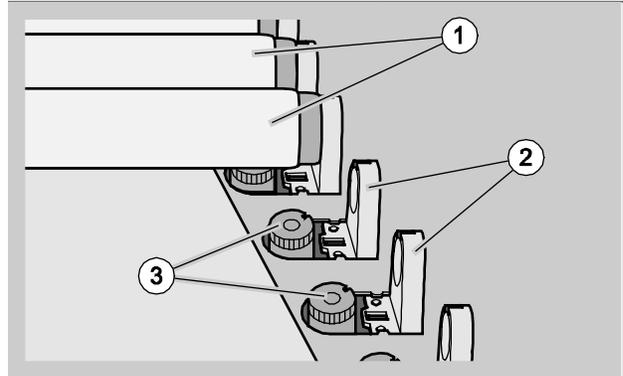


The UV lamps snap into the holder with a “click”.

- ⇒ After you have assembled all UV-lamps into the sunbed, put in the AC acrylic.
- ⇒ Lift the sunbed acrylic up for an inch.
- ⇒ In order to put back the support bar, push this upward and put in down to the left.
- ⇒ Let the sunbed acrylic rest on the sunbed.

## Replacement of starters

The starters must be replaced, whenever a UV-lamp starts to flicker or does not light up.

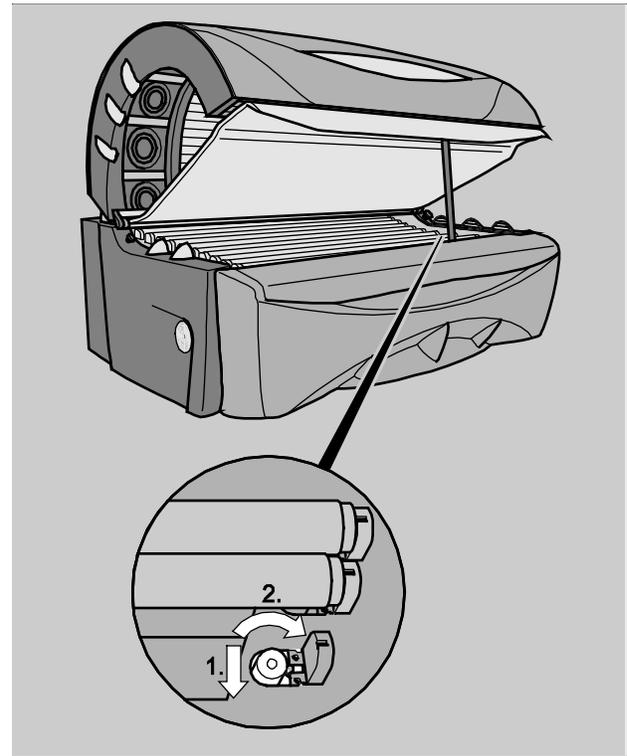
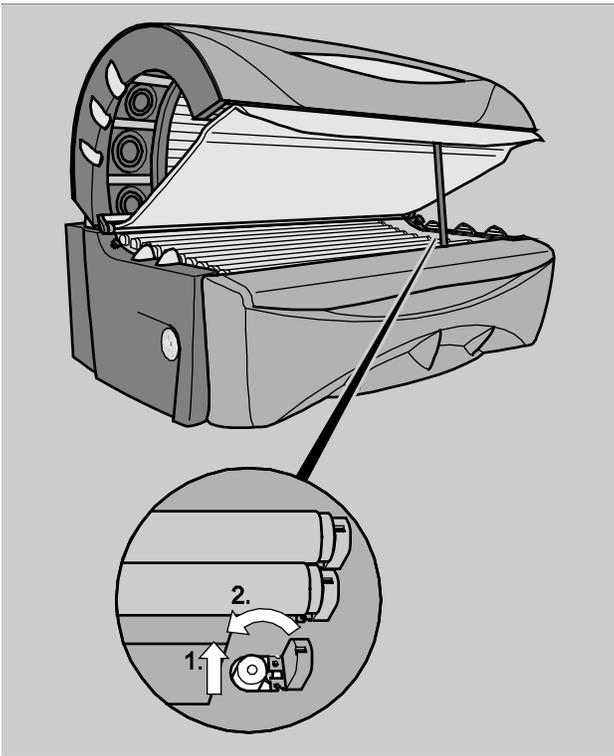


- |          |            |
|----------|------------|
| <b>1</b> | UV-lamp    |
| <b>2</b> | Lampholder |
| <b>3</b> | Starter    |

## Disassembly of Starter

When you need to replace a starter, proceed as follows:

- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Take the UV lamp out of the lampholder.
- ⇒ Turn the starter for about 90° counter clockwise.
- ⇒ Take out the starter.





**CAUTION**  
**RISK OF ENVIRONMENTAL DAMAGES!**  
**Dispose of starters as special waste and in compliance with applicable environmental standards.**

## Replacement of sunbed acrylic

The sunbed acrylic needs to be replaced when scratched or damaged. A hinge profile is attached to the sunbed acrylic. This consists of the following components:

- profile
- guide bushing
- right hinge endcap

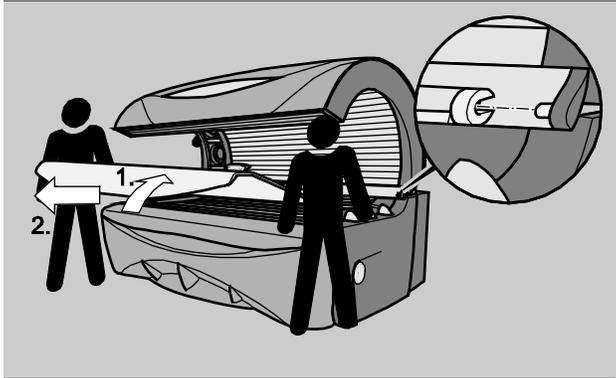
### Assembly of starters

- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Put in the new starter (1).
- ⇒ Turn the starter for about 90° clockwise into the holder (2).

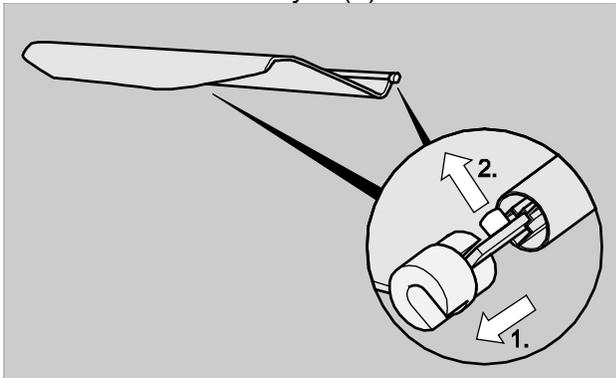
▪ left hinge endcap

When you need to replace the sunbed acrylic, you need to loosen the hinge profile from the sunbed after removal of the sunbed acrylic. Proceed as follows:

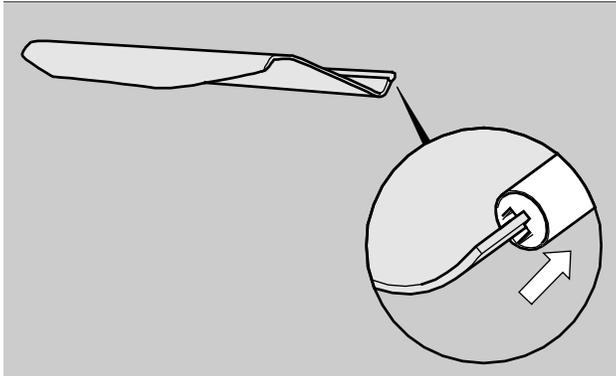
- ⇒ Get a soft support for storage of the sunbed acrylic ready.
- ⇒ Lift the top canopy.
- ⇒ Two persons lift the sunbed acrylic for about 12" (1) and take it out pulling the acrylic to the front (2).



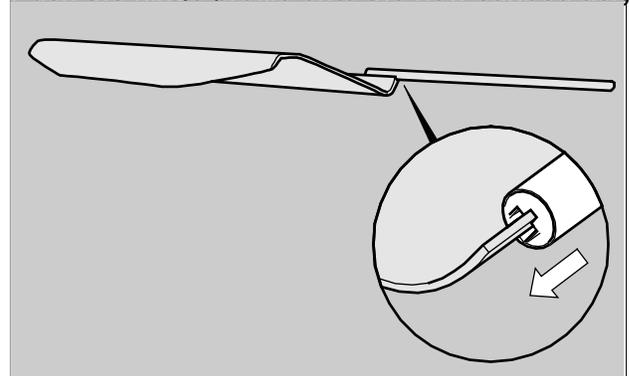
- ⇒ Store the sunbed acrylic on a soft support. To loosen the hinge profile, pull the right and left joint from the hinge profile (1).
- ⇒ Pull the fixing shaft out of the hole in the sunbed acrylic (2).



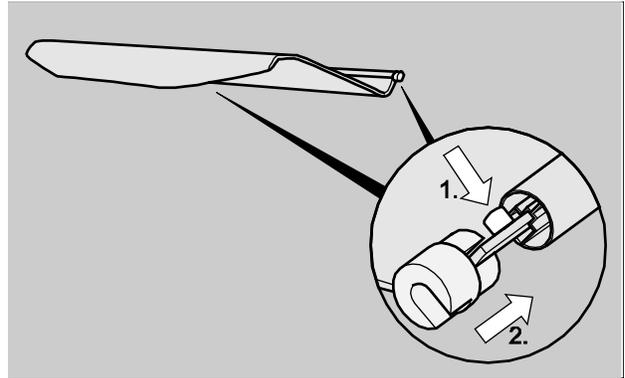
- ⇒ Take the hinge profile off the sunbed acrylic.



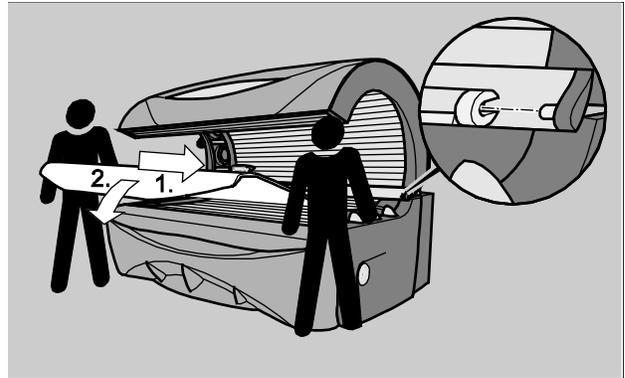
- ⇒ Push the hinge profile onto the new sunbed acrylic.



- ⇒ Put the fixing shafts through the holes in the sunbed acrylic (1).
- ⇒ Put the right and left joint onto the hinge profile (2).



- ⇒ Clean and disinfect the new sunbed acrylic with a suitable special acrylic cleaner .
- ⇒ Two persons put the acrylic into the holding at the sunbed (1).
- ⇒ Lower the sunbed acrylic carefully (2).

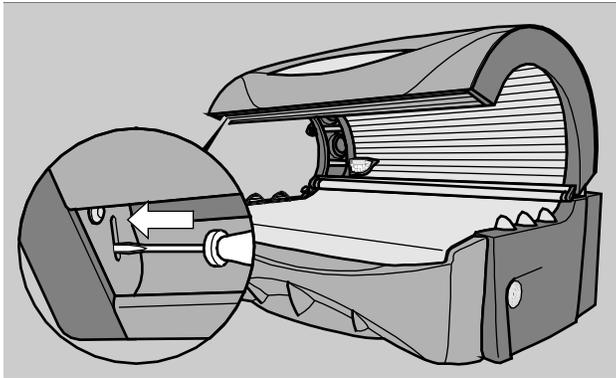


# Replacement of top canopy acrylic

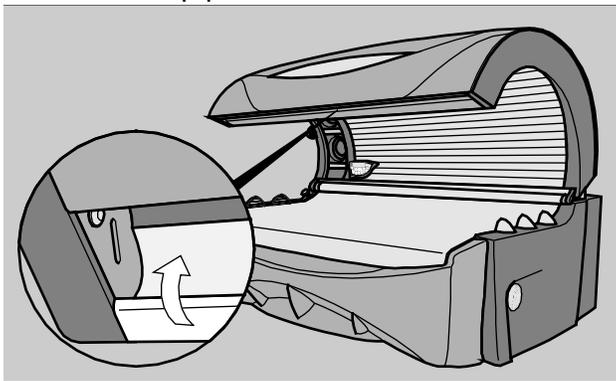
## Removal of top canopy acrylic

Replace the top canopy acrylic whenever it is scratched or damaged. Proceed as follows:

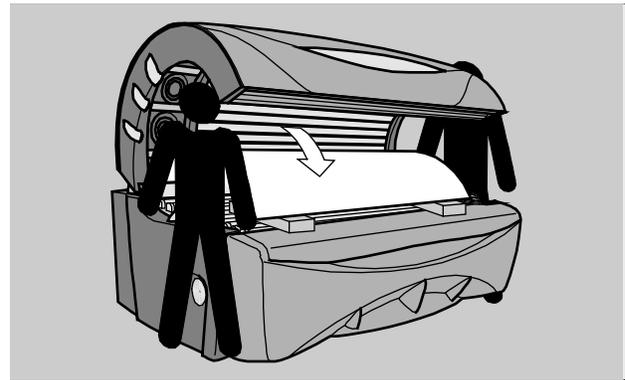
- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ With a screwdriver push in the spring at the slot in the top canopy acrylic.



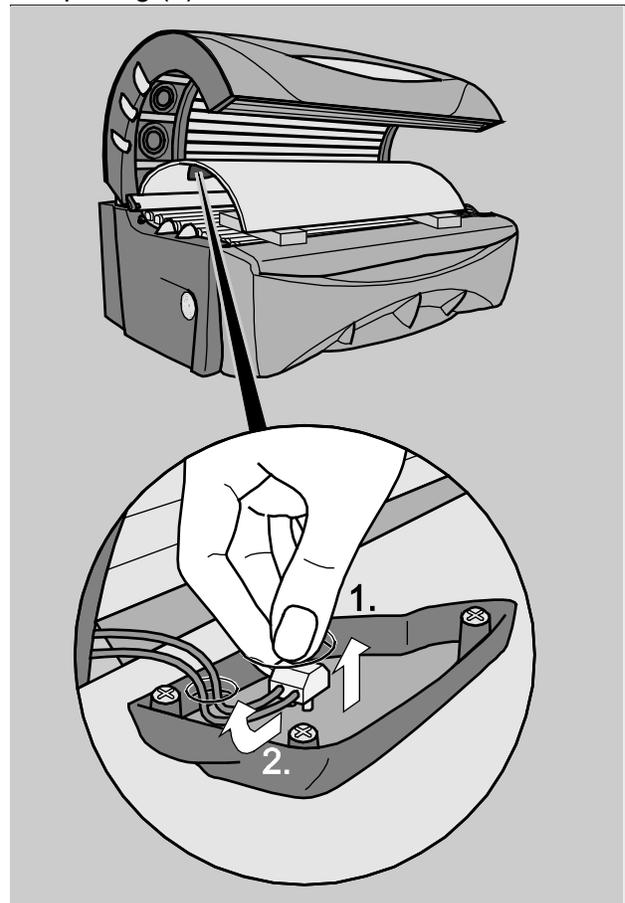
- ⇒ Put a piece of styrofoam or some other soft padding material between sunbed and top canopy to protect the sunbed and the top canopy acrylic.
- ⇒ Turn the top profile inwards.



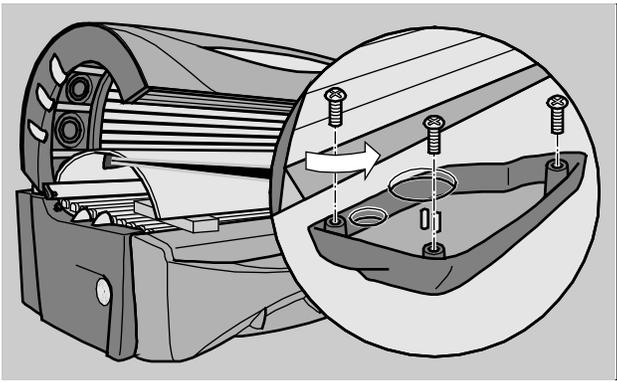
- ⇒ Lower the top canopy acrylic.



- ⇒ Loosen the plug connection of the control panel at the rear side of the top canopy acrylic.
- ⇒ Put your index finger into the opening at the rear side of the top canopy acrylic to pull up the plug (1).
- ⇒ Then pull the plug at the cables through the smaller opening (2).



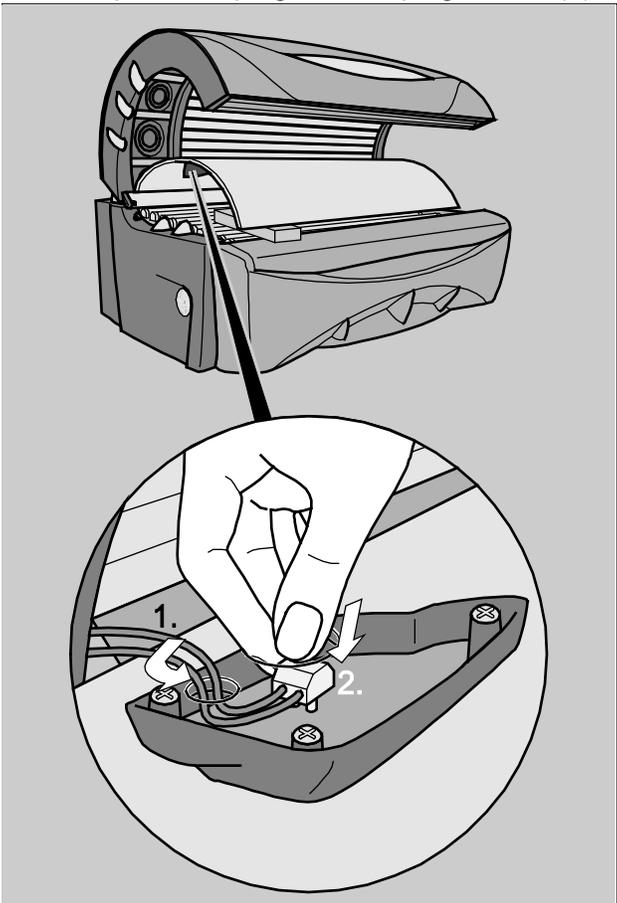
- ⇒ In order to unscrew the control panel from the top canopy acrylic, loosen the three screws of the control panel at the rear side of the top canopy acrylic.



- ⇒ Two persons lift the top canopy acrylic from the sunbed.

### Assembly of top canopy acrylic

- ⇒ Clean and disinfect the top canopy acrylic with a suitable acrylic cleaner.
- ⇒ Fix the control panel at the rear side of the top canopy acrylic.
- ⇒ Push the plug through the small opening at the rear side of the top canopy acrylic (1).
- ⇒ Then push the plug into the plug socket (2).



- ⇒ Put the new top canopy acrylic into the top canopy.
- ⇒ Lift the top canopy acrylic. The control cable of the control panel must be positioned behind the cover profile.

## Cleaning and replacing of filter glasses in active shoulder tanner



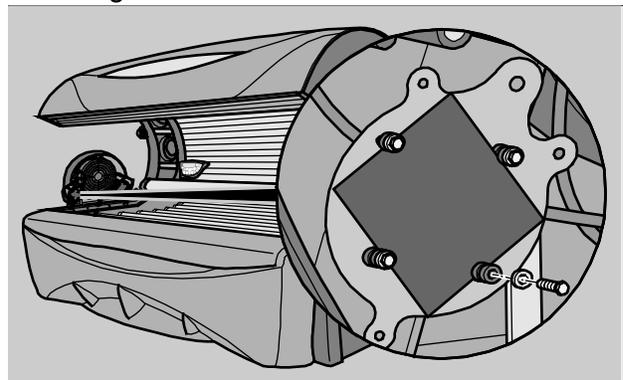
### WARNING SHARP EDGES!

**When disassembling the filter glasses there is a risk of cuts and bruises due to the sharp edges of the filter glass.**

**Wear protective gloves!**

You need to replace the filter glasses in the active shoulder tanner, whenever the filter glasses are defective. Proceed as follows:

- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Loosen the right and left screws above the HID fields.
- ⇒ Take off the cover from the shoulder tanner.
- ⇒ With a screwdriver loosen the lowest screw at the filter glass holder.



- ⇒ Take the filter glass out of the holder.

## Replacing and cleaning HID lamps and facial filters

The HID lamps must be replaced whenever the useful lifetime as recommended by the manufacturer has expired. The facial filters must be cleaned as necessary and replaced whenever they are defective.



### WARNING

#### RISK OF BURNING!

**Do not replace HID lamps directly after a tanning session. Allow the the HID lamps to cool down completely prior to starting any service work.**

- ⓘ Only use compatible HID with identical performance spectrum. Check data on the type label.

In the top canopy there are 24 HID lamps. Each HID lamp is covered with a facial filter. In order to replace the HID lamps, you first need to remove the facial filters.

⇒ see page 19

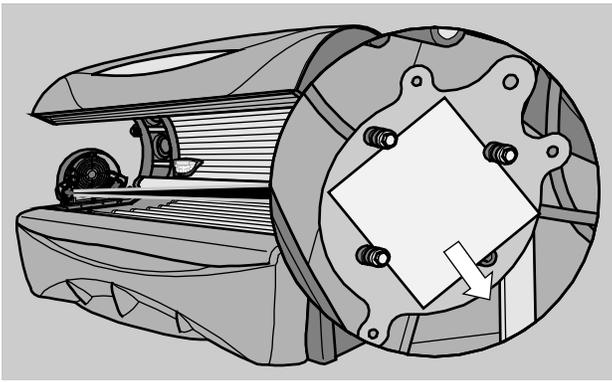


### WARNING

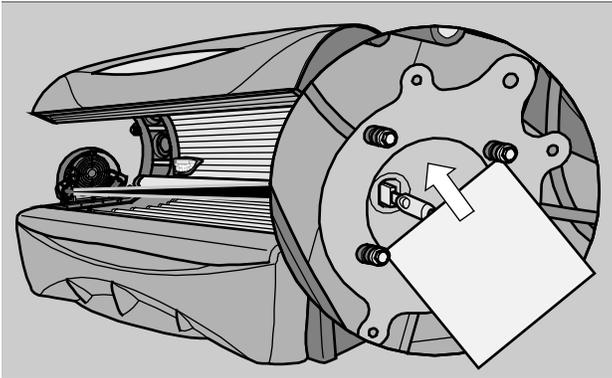
#### RISK OF CUTS AND BRUISES!

**Defective facial filters can cause serious cuts and bruises due to glass breakage.**

**Wear protective gloves.**



- ⇒ Clean the filter glass if necessary with special glass cleaner.
- ⇒ Push the new or cleaned filter glass into the holder.



- ⇒ Put the cover onto the shoulder tanner and fix with screws.

Replace defective facial filter with a new one.

⇒ Take a soft, clean cloth to pull the HID lamp out of the lampholder.

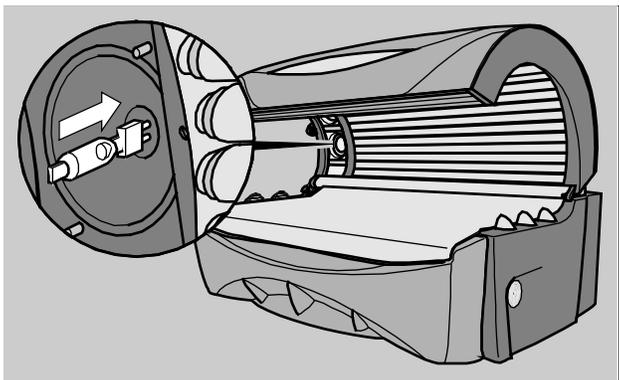


⇒ Dispose of defective or used HID lamps in compliance with all applicable environmental standards and regulations as special waste (WEEE Directive).



**i** The contact pins of the HID lamps differ in diameter. The one with the smaller diameter must be put into the smaller opening and the contact pin with the bigger diameter must be put into the bigger opening.

⇒ Use a clean, lint-free cloth to put HID lamp into the lampholder.



**CAUTION!**  
 Inappropriate filters may have a serious impact on the function of the facials and exposure times. Only use original facial filters as provided by Advanced UV Light.

- ⇒ Put in the facial filters and position in such a way that the Dr Müller logo points to you. Clean the facial filters with a leather cloth damped with glass cleaner or clear water.
- ⇒ Reassemble the top canopy acrylic as described on page 37.

## Replacement of dust filters

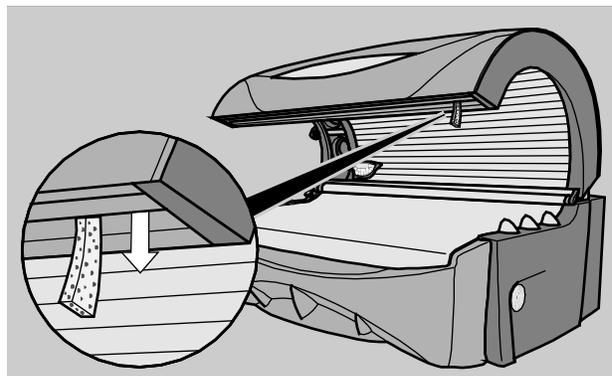
The dust filter mats must be cleaned or replaced after 50 operating hours. Depending ambient conditions, dust filters may have to be cleaned earlier.

**CAUTION**  
**RISK OF ENVIRONMENTAL DAMAGE!**  
 Dispose of dust filter mats according to environmental standards.

## Top canopy

In the top canopy the dust filter mat is positioned between the two top canopy profiles. To replace the filters, proceed as follows:

- ⇒ Take out the old dust filter mats and replace with new ones.

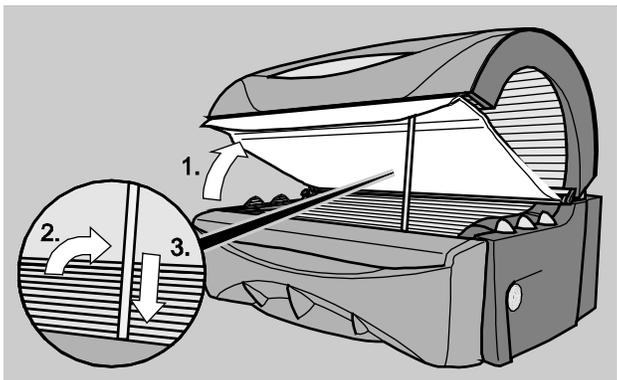


- ⇒ Dispose of used dust filter mats according to environmental standards.

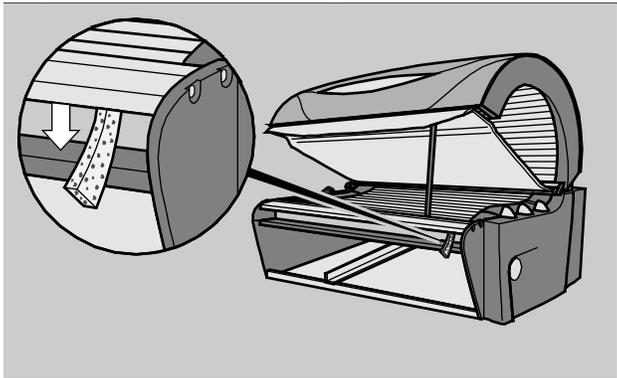
## Sunbed

At the sunbed the dust filter is positioned below the upper profile edge behind the front cover plate. To replace the dust filter, proceed as follows:

- ⇒ Lift up the sunbed acrylic (1).
- ⇒ Lift the support bar (2) and push it slightly downward (3).



- ⇒ Lower the sunbed acrylic in such a way that it rests safely on the support bar.
- ⇒ Take off the front cover plate as described on page 21.
- ⇒ Pull out the used dust filter.
- ⇒ Push in the new dust filter. Start in the center and push between the two profile bars.



- ⇒ Remount the front cover plate.
- ⇒ Lift the front cover plate for a few centimeters.
- ⇒ To put in the support bar, lift it slightly up and turn it to down to the left hand side.
- ⇒ Put the sunbed acrylic onto the sunbed.
- ⇒ Dispose of used dust filters according to environmental regulations.

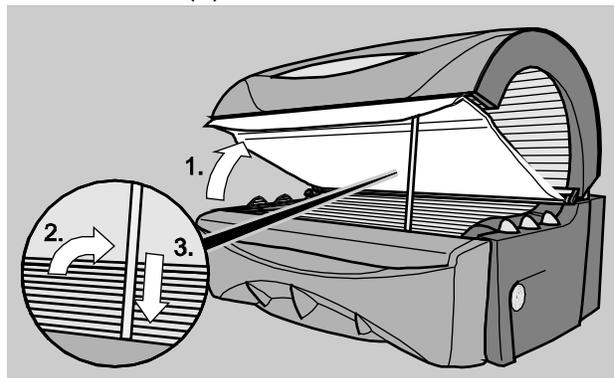
## Replacement of Show-lights

The top backlighting and the LED backlighting of the front cover plate must be replaced whenever the lamps or LEDs are defective.

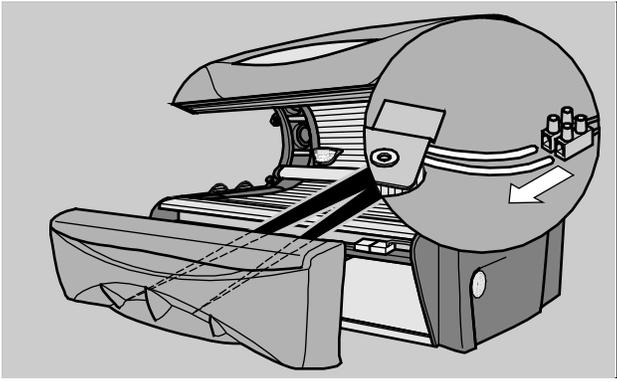
## LED backlighting of sunbed

Two LED lights are positioned in the front cover plate. These are fixed with a screw each to a holding plate at the front cover plate. This holding plate is located at the interior front cover plate. To replace the LED backlights, proceed as follows:

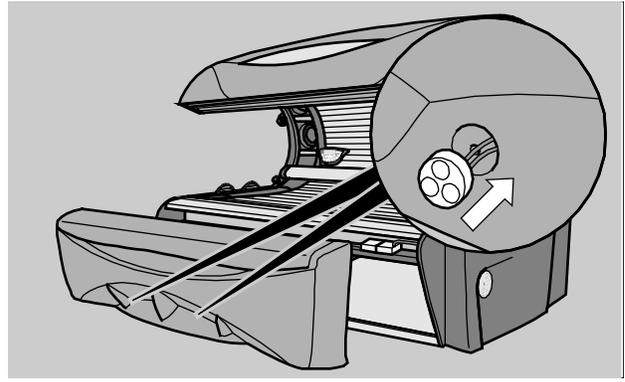
- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Keep some soft support material ready for storage of the sunbed acrylic.
- ⇒ Lift up the sunbed acrylic (1).
- ⇒ Lift up the support bar (2) and push it slightly downward (3).



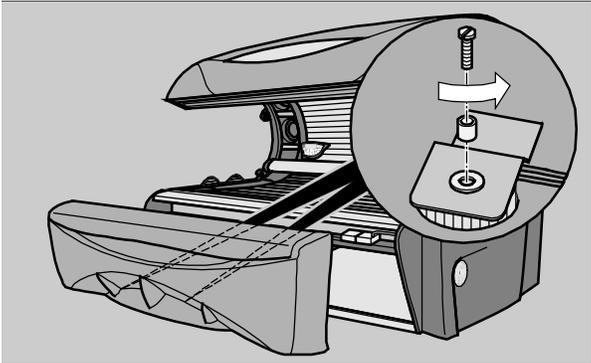
- ⇒ Lower the sunbed acrylic carefully so that it can rest on the support bar.
- ⇒ Remove the front cover plate as described on page 21.
- ⇒ Put the front cover plate upfront on a soft level support.
- ⇒ Use a screwdriver to loosen the screws at the lamp wire connector.
- ⇒ Pull the wires out of the lamp wire connector.



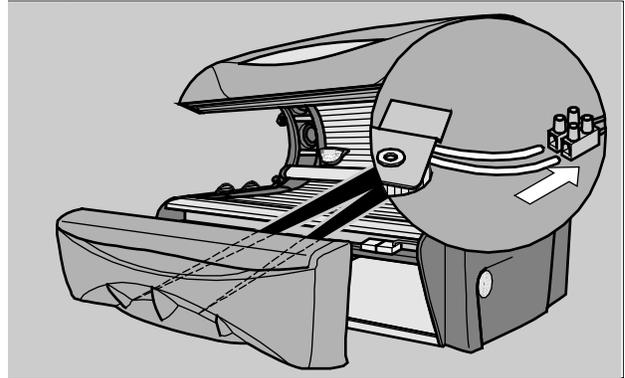
⇒ Use a screwdriver to loosen the screws at the LED holder.



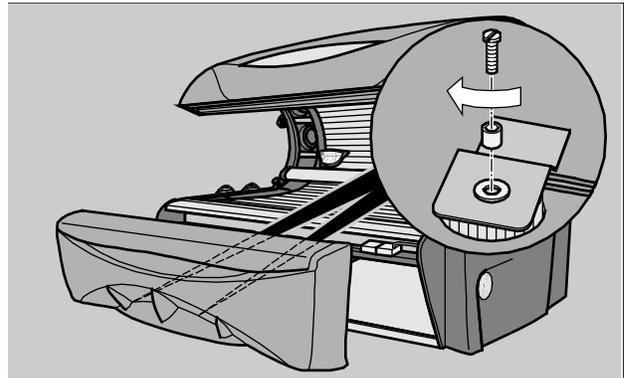
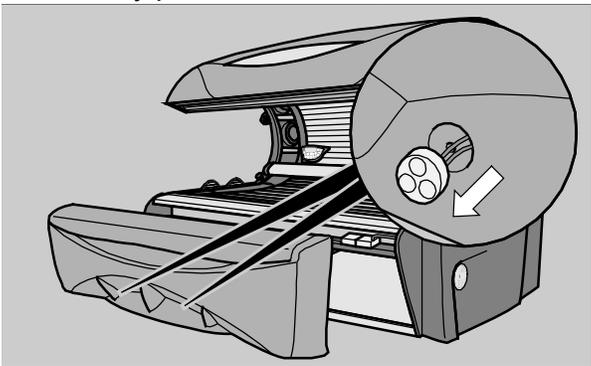
⇒ Connect the wire ends of the supply wire with the lamp wire connector and use a screwdriver to tighten screws.



⇒ Take the LED out of the front cover plate and carefully pull out the wires, too.



⇒ Push the LED against the holder and screw to the holder at the interior front cover plate.

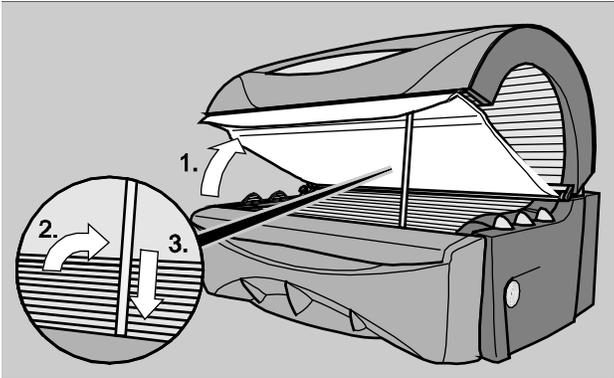


⇒ Remount the front cover plate as described on page 36.

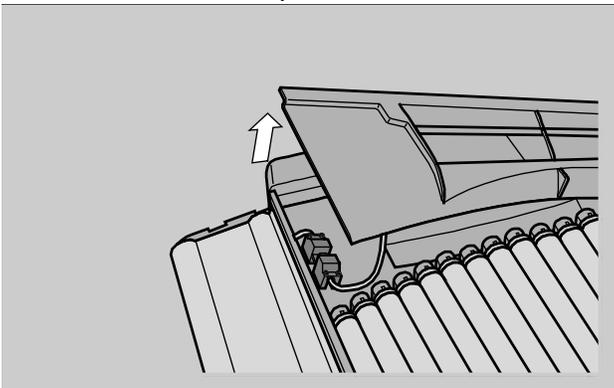
## Replacement of courtesy light in the sunbed

In order to replace the courtesy light in the sunbed, the lamp covers at the head and footend side of the sunbed must be removed and the foremost lamps must be disassembled. Proceed as follows:

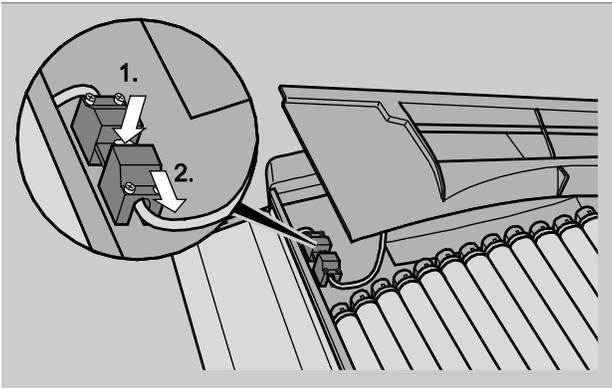
- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Lift up the sunbed acrylic (1).
- ⇒ Lift up the support bar (2) and push it slightly downward (3).



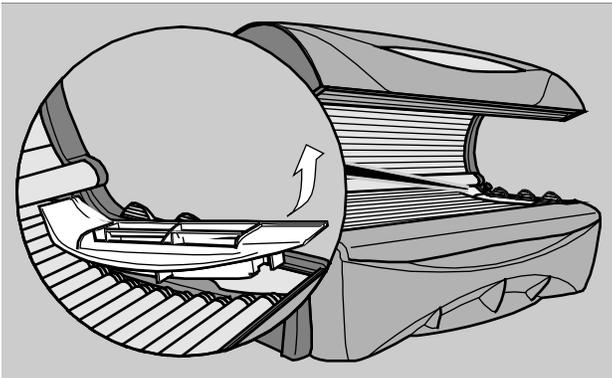
- ⇒ Lower the sunbed acrylic carefully so that it can rest safely on the support bar.
- ⇒ To remove the lamp cover at the headend, lift it up.



- ⇒ To remove the plug connection, push the button between plug and plug connection down (1.) and pull the plug out of the connection (2).



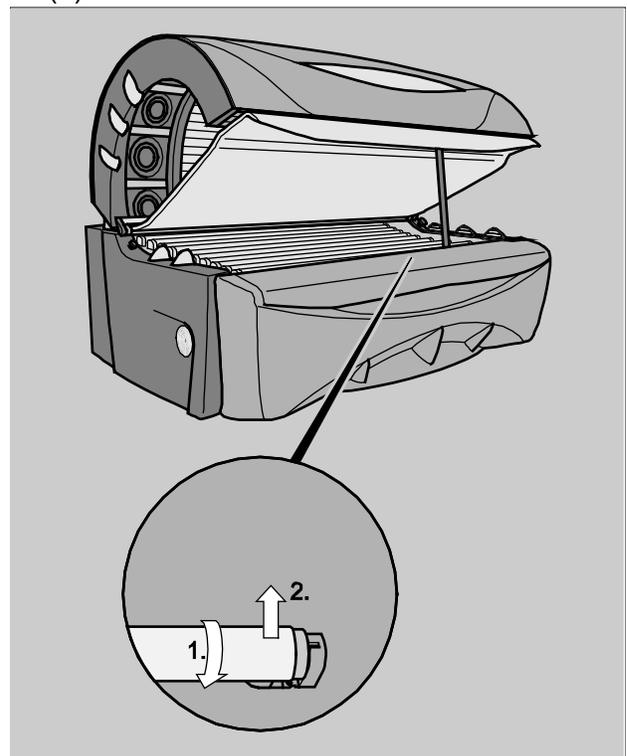
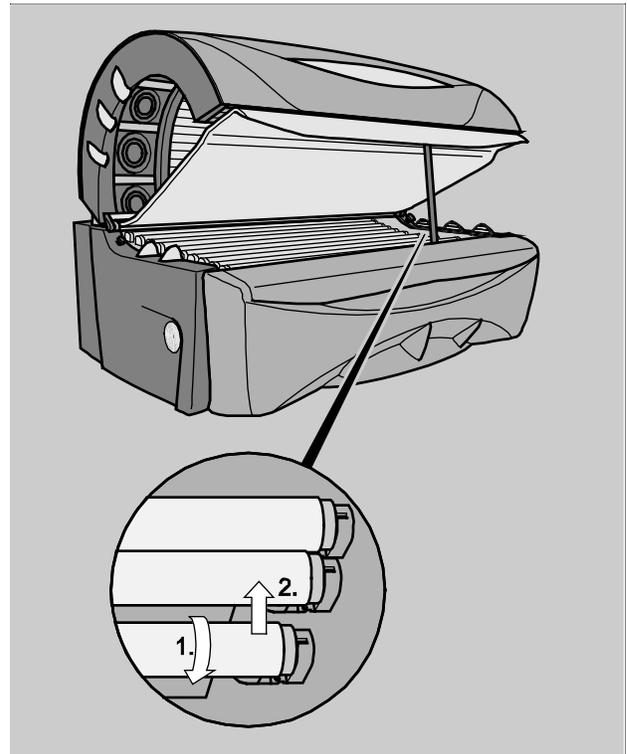
⇒ Take out the lamp cover at the footend.



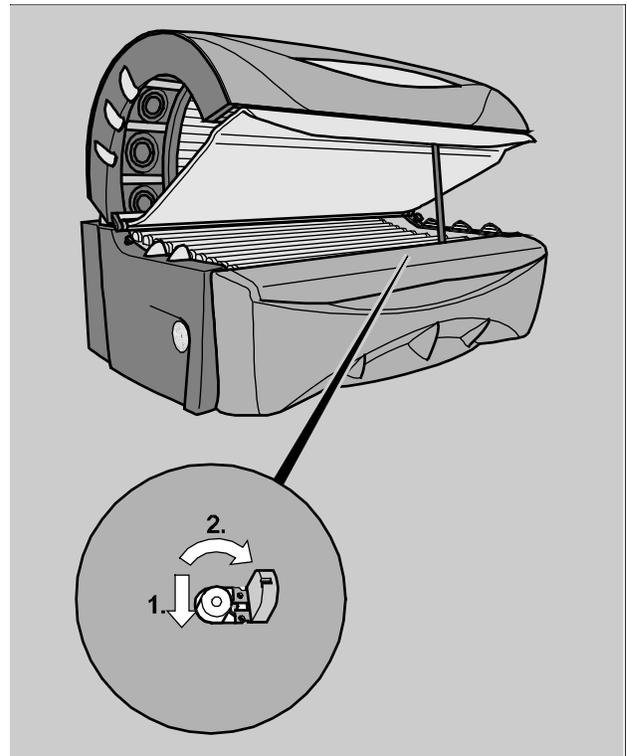
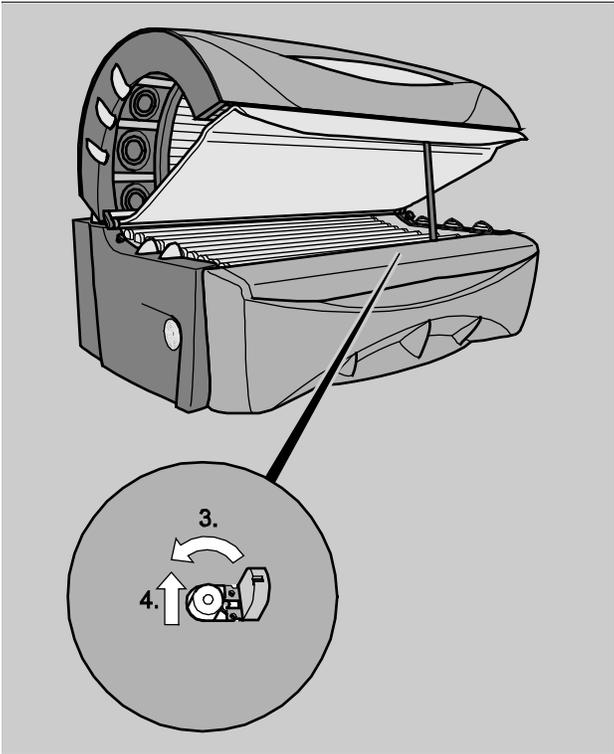
- ⇒ Take the two foremost UV lamps out of the sunbed and store them safely against breakage.
- ⇒ Turn the UV-lamp for about 90° clockwise (1).
- ⇒ Take the UV-lamp out of the lampholder (2).

⇒ Turn the backlighting lamp by approx. 90° clockwise (1).

⇒ Take the backlighting lamp out of the lampholder (2).



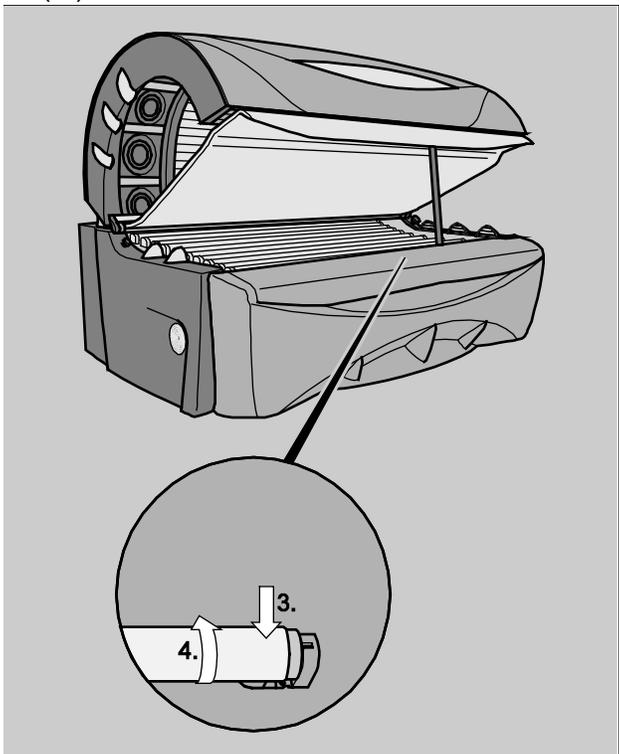
- ⇒ Turn the starter for about 90° counter clockwise (3).
- ⇒ Take out the starter (4.).



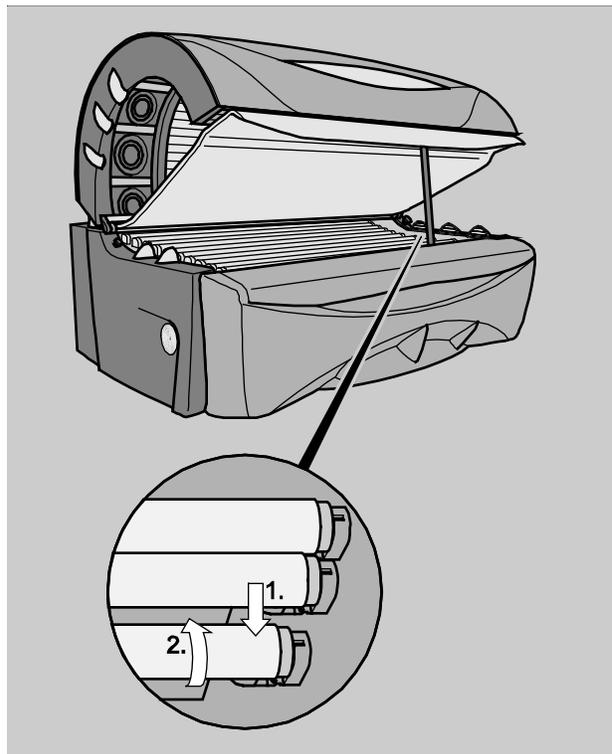
- ⇒ Put the new backlighting lamp into the lampholder (3).

- ⇒ Install the new starter (1).
- ⇒ Turn the new starter for about 90° clockwise into the holder (2).

⇒ Turn the backlighting lamp for about 90° clockwise (4.).



- ⇒ Put the foremost two UV-lamps back into the sunbed.
- ⇒ Install the two UV-lamps (1).
- ⇒ Turn the UV-lamps for about 90° counter clockwise so that the lamp stamp points to the viewer (2).



The UV-lamp snaps into the holder with a “click”.

- ⇒ Put back the lamp covers at the head- and footend.
- ⇒ Lift up the sunbed acrylic for about an inch.
- ⇒ To put back the support bar, lift it slightly upward and then turn it back to the left side.
- ⇒ Put the sunbed acrylic down onto the sunbed.

## Replacement of HID lamps in the active shoulder tanner

The HID lamps in the active shoulder tanner need to be replaced when the useful lifetime as recommended by the manufacturer has expired.



### WARNING

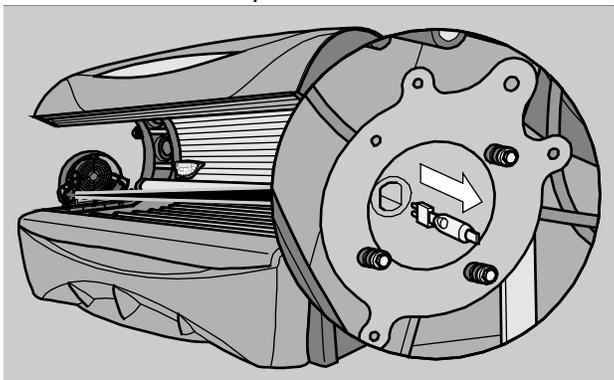
#### RISK OF BURNS!

**There is a risk of burning when replacing the HID lamps. Do not replace lamps just after the sunbed has been operated. Allow the lamps to cool down completely prior to performing any service or maintenance work.**

- ⓘ Replace with lamps of the same technical specifications. Refer to type label.

In the active shoulder tanner there are two HID lamps. Each lamp is covered with a filter glass. In order to replace the HID lamps you first need to disassemble the filter glasses. Proceed as follows:

- ⇒ Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- ⇒ Loosen the screws at the right and left side above the filter glass with a screwdriver.
- ⇒ Take the cover off the active shoulder tanner.
- ⇒ Remove the filter glasses as described in the chapter "Removal of filter glasses in the active shoulder tanner".
- ⇒ Pull the HID lamps out of the holder.



### CAUTION

#### RISK OF ENVIRONMENTAL DAMAGE!

**Dispose of HID lamps as special waste and in accordance with applicable environmental standards.**

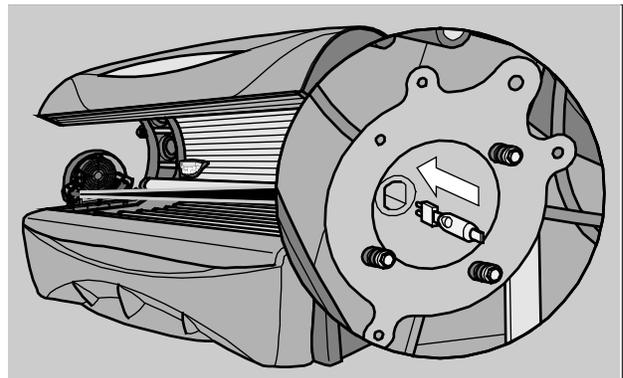


### CAUTION!

**When installing the new HID lamps, the lamps can get damaged when not handled properly. Do not touch lamps with bare fingers. Always use a clean, lint free cloth to touch lamps.**

- ⓘ The contacts of the HID lamp differ in diameter. The smaller contact has to be put into the opening with the lesser diameter, the bigger contact has to be put into the opening with the bigger diameter.

Hold the HID lamp with a clean, lintfree cloth and put it into the holder.



Reassemble the filter glasses as described in the chapter "Replacement of filter glasses in the active shoulder tanner".

Put back the cover of the active shoulder tanner and use a screwdriver to fasten screws again.

## Replacement of aroma cartridge in SunHaze aroma system

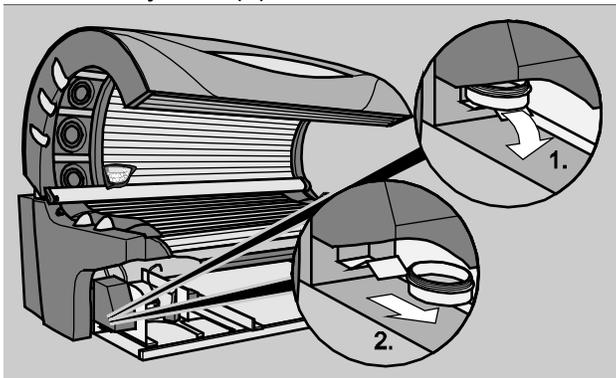


### WARNING!

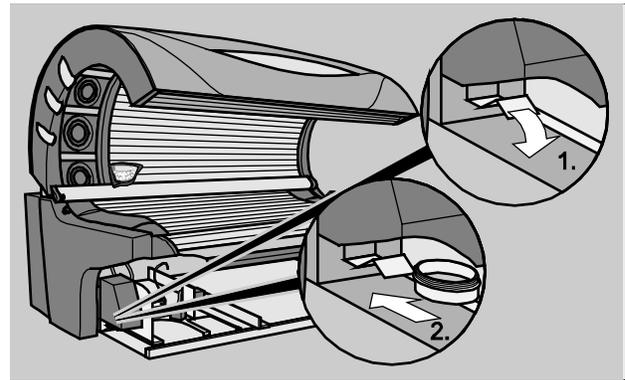
**Avoid contact with skin or eyes. In case of eye contact, cleanse eyes for several minutes in running water and consult a physician.**

You need to replace the cartridge when the aroma effect diminishes or every three months at the very latest. Proceed as follows:

- Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- Remove the front cover plate as described in the chapter "Removal of front cover plate".
- Unscrew the lid from the new aroma cartridge.
- Push down the holding bracket at the aroma system and keep down (1).
- Take the used aroma cartridge out of the SunHaze aroma system (2).



- Push the holding bracket at the aroma system down and keep down (1).
- Put the new aroma cartridge into the aroma system (2).



- Let the holding bracket go.

The holding bracket presses the cartridge to the aroma system.

## Emptying the condensation water container



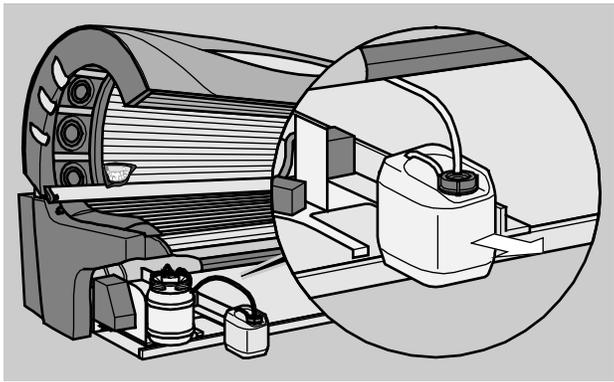
### DANGER

### RISK OF ELECTRIC SHOCK!

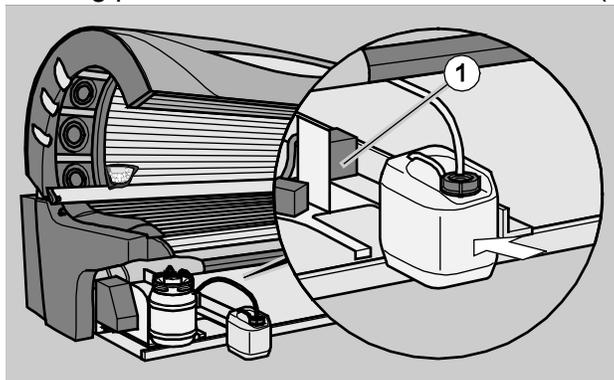
**When the condensation water container spills over, water could get into the sunbed. Empty the condensation water container as soon as the message "E07" is shown on the display.**

The condensation water produced by the AC unit is received by the condensation water container. This container is located inside the sunbed close to the headend side.

- Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- Remove the front cover plate as described in the chapter "Removal of front cover plate".
- Take the condensation water container out of the sunbed.



- Unscrew the lid.
- Empty the condensation water container.
- Screw on the lid of the condensation water container again.
- Put the condensation water container back into the fixing position so that it touches the sensor (1).



- Reinstall the front cover plate again as described in the chapter "Assembly of front cover plate".

## Replacement of UV lamp in the SunFresh container and water refill



### **DANGER**

#### **DANGEROUS UV-RADIATION!**

**The UV-lamp in the SunFresh container emits UV-C radiation. UV-C radiation can lead to immediate genetic changes and damage skin and eyes. Always use the UV lamp of the germicidal unit within the closed SunFresh container. Only use the light-resistant and age-resistant container supplied by Advanced UV Light. Observe the additional safety instructions which are attached to the germicidal unit.**



### **WARNING**

#### **RISK OF POISONING!**

**The UV-lamp in the germicidal unit contains mercury. In case of breakage, evacuate the mercury with an appropriate pump with active charcoal and make sure that the room has sufficient fresh air supply. Observe strict hygienic procedures. Dispose of defective lamp in accordance with environmental standards.**

**Observe the additional safety instructions which are attached to the germicidal unit .**

In the SunFresh container there is a germicidal unit with a UV-lamp, which keeps the water germ-free. The UV-lamp must be replaced after approx. 6,000 operating hours.

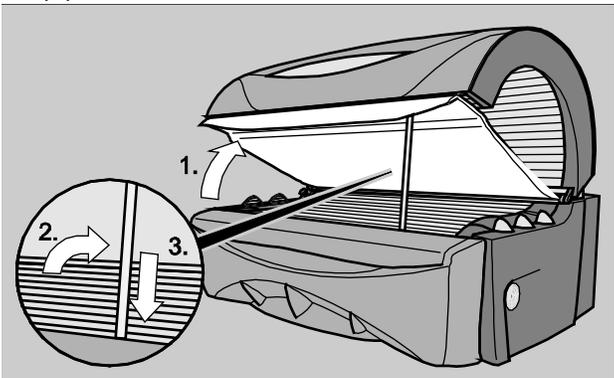


## CAUTION!

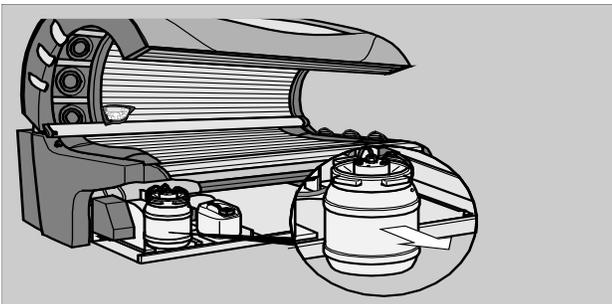
**The UV-lamp in the SunFresh container could be damaged during replacement. Never touch the UV-lamp. Replacement of UV lamp must be performed by authorized service personnel.**

The water level is controlled by a sensor. If the minimum level of the SunFresh container is reached, the display shows the message "E 06". In this case, the SunFresh container needs to be refilled. Proceed as follows:

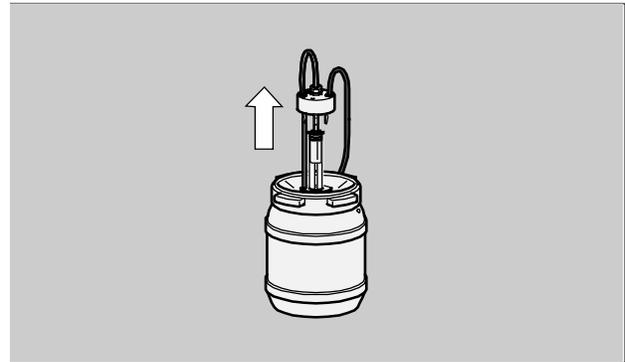
- Deactivate the mains disconnection switch and secure with lock and key against accidental activation.
- Lift up the sunbed acrylic (1).
- Pull up the support bar (2) and when in straight position, push the support down until it snaps in (3).



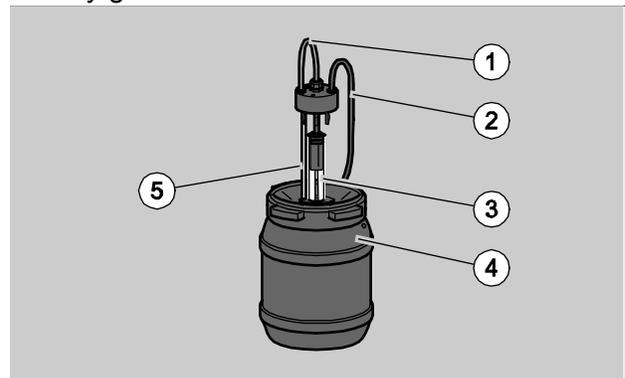
- Let the sunbed acrylic down so that it is supported by the support bar.
- Remove the front cover plate as described in the chapter "Removal of front cover plate".
- Take the SunFresh off the assembly plate for the SunFresh container and condensation water container.



Take out the germicidal unit.



Survey germicidal unit:



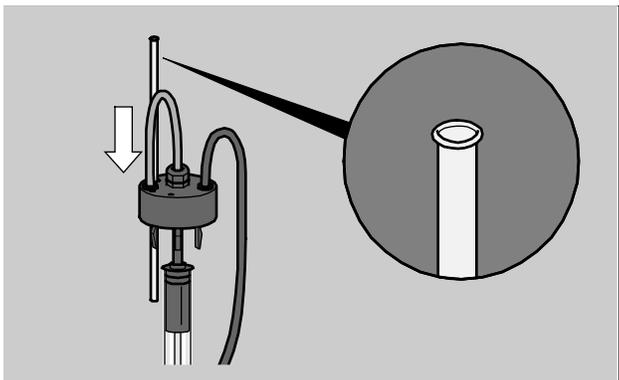
- |   |                    |
|---|--------------------|
| 1 | Hose (blue)        |
| 2 | Supply cable       |
| 3 | UV-lamp            |
| 4 | SunFresh-container |
| 5 | Plunge pipe        |



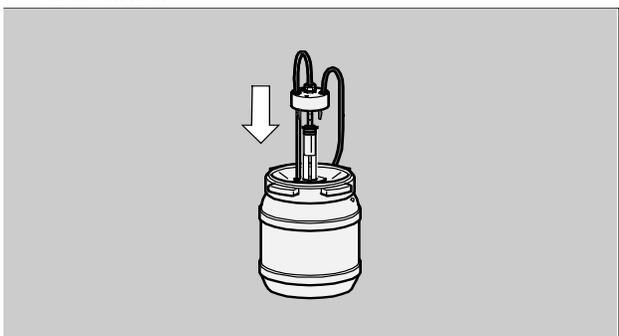
## CAUTION!

**Use only distilled water for refill. The SunFresh function may be affected by using non-dimineralized water**

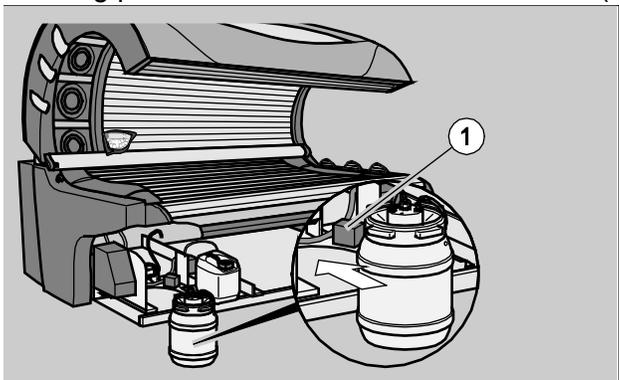
- If necessary refill with distilled water to the max. mark.
- Put the plunge pipe into the lid of the germicidal unit.



- Put the new germicidal unit into the SunFresh container.



- Put the SunFresh container in such a way into the fixing position so that it touches the sensor (1) .



- Connect the supply plug to the mains connection for the germicidal unit of the SunFresh system to the ballast tray.
- Reassemble the front cover plate as described in the chapter "Assembly of front cover plate".
- Lift up the sunbed acrylic for a few centimeters.
- To put back the support bar, lift it slightly upwards, then turn it down to the left side.
- Put the sunbed acrylic down onto the sunbed.

## Cleaning



### **DANGER**

### **RISK OF ELECTRIC SHOCK!**

**Deactivate the mains disconnection switch prior to any cleaning work and secure with lock and key against accidental activation.**



### **CAUTION!**

**Cleaning solutions which contain alcohol or etheric oils can damage the sunbed. Never clean the sunbed with abrasive or corrosive cleaning solutions.**

## Sunbed and top canopy acrylic

The sunbed and top canopy acrylic must be cleaned after every session.

- Spray the top canopy and sunbed acrylic with appropriate disinfection cleaner specifically designed for acrylic material.
- Wipe acrylics dry with a clean, lint-free cloth.

## Housing of sunbed and top canopy

- Clean the housing surfaces whenever necessary with a slightly damp leather cloth.
- Wipe the surfaces dry with a clean and lint-free cloth.

## UV- and backlighting lamps

- Wipe the lamps with clean leather cloth, slightly dampened with glass cleaner or clear water.

## HID lamps

Never touch the HID lamps with bare fingers. If cleaning is necessary, use special cleaning swab damped in cleaning alcohol.

## Filter Glasses

Wipe filter glasses with a clean leather cloth slightly damped in glass cleaner or clear water

## Disassembly of sunbed unit

If the sunbed needs to be transported to another location, the whole unit needs to be disassembled.

Disassembly needs to be performed with four persons.

	<b>DANGER</b> <b>RISK OF ELECTRIC SHOCK!</b> Deactivate the mains disconnection switch prior to disassembly work and secure with lock and key against accidental activation.
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	<b>DANGER</b> <b>RISK OF FAULTY DISASSEMBLY!</b> Improperly performed disassembly work can lead to serious damages and fatal injuries. Disassembly work must be performed by authorized service personnel or certified electricians.
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	<b>CAUTION!</b> Components can get easily scratched. Do not kick at components. Do not scratch or damage surfaces - for instance with tools.
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	<b>WARNING</b> <b>HEAVY LOAD!</b> Overstraining when carrying the heavy sunbed components can lead to health risks. Always carry the heavy components of the sunbed with four persons.
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Disassemble equipment as described in the chapter "Disassembly of equipment".

Perform transport of sunbed to new site of installation as described in the chapter "Transport".

## Storage

If the equipment is not to be operated for an extended period of time, you should store the sunbed in a dry, frost-free room and protect it against dust.

Deactivate the mains disconnection switch and secure with lock and key against accidental activation.

Cover the sunbed with appropriate material to protect it against dust and dirt.

## Re-operating unit

If you want to operate the unit again after an extended rest period, take off the cover material.

Clean the sunbed.

Remove lock and key and activate the mains disconnection switch.

Perform the daily check-up as described in the chapter "Daily check-up".

# Troubleshooting



## **CAUTION!**

**Malfunctions and defects must be repaired by authorized service personnel only!**

**Salon personnel is only allowed to correct malfunctions which obviously result from incorrect use of operational controls.**



## **DANGER**

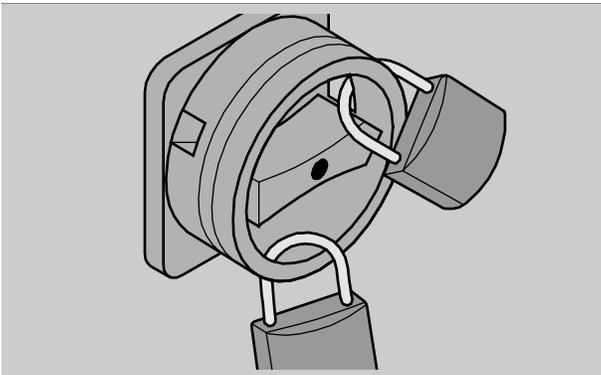
### **RISK OF ELECTRIC SHOCK!**

**Prior to performing any service work, secure the unit against accidental activation.**

Turn the mains disconnection switch into position “0”.

Secure with lock and key.

Close the lock.



## Error Messages

Error code	Possible causes and correction
E001	Wind flag does not switch on.
E002	Check flag switch and terminal. Filter glass defective or missing. Replace filter glass.
E003	Sunbed acrylic lifted. Position sunbed acrylic onto sunbed.
E004	Front cover plate open. Check if front cover plate fits in correctly.
E005	Emergency stop button activated. Deactivate emergency stop button.
E006	SunFresh-container empty Refill SunFresh container with distilled water as described in the chapter "Refill of SunFresh container"
E007	Condensation water container of AC is full. Empty the condensation water container as described in the chapter "Emptying condensation water container".
E008	Communication error. Check supply cable/terminal to control panel.

In order to delete an error message, push the button "START/STOP".

Then push the "+"-button for approx. 2 seconds.

You can now start a new tanning session.

## Malfunctions during operation

Malfunction	Possible causes and correction
The sunbed does not start when time control device is activated.	No electric supply. Check fuses and FI protective switch. Starter defective.
UV lamps are flickering.	Replace starter.
The equipment is running too hot.	Fresh air supply and/or disposal of exhaust air in the room is insufficient. Control air vents and remove from blockage if necessary.
One or more UV lamps in the top canopy or sunbed do not light up.	UV-lamps not correctly installed into holders. Instal UV-lamps correctly. UV lamp defective.
One or more HID lamps do not light up.	Replace UV lamp. HID lamp(s) defective. Replace HID lamp(s). Ignitor for HID lamp defective. Replace ignitor.

## Disposal

If the equipment is finally to be put out of service, the equipment has to be properly disassembled. When you dispose of the AC unit, the cooling liquid has to be emptied, retrieved and disposed of according to environmental standards. All components need to be sorted and recycled. Dispose of the sunbed and its components in accordance with applicable environmental standards.



