



KBL

4800 α



TANNING DEVICE

OPERATING INSTRUCTIONS



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TRANSLATION OF THE ORIGINAL OPERATING INSTRUCTIONS

Version: BA_4800_US_H

Date: September 2016

Item no: 0100036562

Tanning Device name [tech.]: 3809

MANUFACTURER

KBL AG

Ringstraße 24-26 · 56307 Dernbach · Germany

DISTRIBUTED BY (CONTACT)

PC Tan, Inc.

1040 Wilt Avenue

Ridgefield, NJ 07657, USA

1-800-FAST TAN (327-8826)

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1. General information

1.1 About these instructions

This operating manual is intended for use by

- operating staff,
- users,
- service staff.

Any person dealing with this KBL Sunlamp Product (hereafter referred to as tanning device) must have read and understood these instructions.

This manual describes tanning devices equipped with the maximum number of features.

Keep this manual ready to hand at all times.

1.2 Safety signs

	This symbol indicates that general hazards exist for the human health.
	This symbol indicates that due to electrical tensions hazards exist to the human health.
	This symbol indicates that due to UV radiation hazards exist to the human health.
	This symbol indicates that due to falling loads hazards exist to the human health.
	This symbol indicates the danger of pinching. When closing and opening panels and covers, you can pinch your hands.

	This symbol indicates the danger of burns from hot lamps and housing parts. If the tanning device was operated before being switched off and opened, lamps and housing parts may be hot.
	This symbol indicates that damages may occur at the tanning device, at the material or at the environment.
	This symbol indicates the type BF applied part.

IMPORTANT INFORMATION

	This symbol does not identify safety notices, but states information for a better understanding.
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1.3 Transport by forklift truck

	The tanning device may be damaged when using short forks. <ul style="list-style-type: none"> • Only use long forks.
---	--

The tanning device is mounted on a pallet.

- Insert the forks carefully into the openings of the pallet.
- Lift the load by a few centimeters.
- Transport the load carefully to the place of installation.

1.4 Other modes of transport

	 WARNING
	<p>Overturning load Danger of being crushed by heavy parts of the equipment.</p> <ul style="list-style-type: none"> • Wear safety shoes.

If a forklift truck cannot be used for transport, the tanning device must be partially disassembled and the parts must be transported individually to the place of installation, e.g. using a dolly. Depending on the weight of the components, lifting them might require several people.

1.5 Environmental regulations (disposal of lamps)

Fluorescent lamps contain fluorescent materials and other waste products containing mercury. Some areas of the USA and Canada have specific regulations regarding disposal of these waste. Please check the laws in your area and act in accordance with municipal waste regulations. Please retain proof of proper disposal of lamps. Your local regulatory agency can assist you with the disposal of lamps. Report the number of lamps to your local agency by telephone or in writing. The regulatory agency can provide you with a delivery point for your lamps or will take care, in conjunction with a disposal company, of the collection and proper disposal of the lamps (Fees for this may apply). Please contact your code enforcement officials for more information regarding laws governing disposal of these components in your area.

	 WARNING
	<p>Risk of mercury toxicity Risk of mercury toxicity after a lamp breakage.</p> <ul style="list-style-type: none"> • Ventilate the room / environment at least 15 minutes before disposing the lamp fragments.

1.6 Service

REPAIRS - SERVICE - REPLACEMENT - PARTS AND LAMPS - EYE PROTECTION

If you are in need of any of the above mentioned products or services, you should contact:

PC Tan, Inc.
 1040 Wilt Avenue
 Ridgefield, NJ 07657, USA
 1-800-FAST TAN (327-8826)

NOTE: All repairs and replacement components including, but not limited to protective eyewear, lamps, timers and acrylic must be in compliance with CFR 21 1040.20.

ACCESSORY PARTS

Description	KBL item no.
Protective eyewear	3010104000
Headrest	3010212010

Technical documentation like operating and assembly instructions as well as diagrams and original spare parts can be provided by KBL.

1.7 Updating system software

	<p>Risk of damage by switching off the power supply voltage.</p> <p>Disconnecting power supply during the update process, will lead to damage of electronic components.</p> <ul style="list-style-type: none"> • Make sure that the tanning device is not disconnected from the power supply voltage during the update.
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To accomplish the update download the “USB-Connect” software offered by KBL. For detailed information press the help-button in the main menu.

2. Safety notes

2.1 General safety notes

Read the operating instructions before using the tanning device.

This tanning device must be operated with an external timer as specified in chapter *Timer controlled operation*.

NOTE: This tanning device is intended to be used by only one adult person at a time. Therefore, only one (1) pair of protective eyewear is provided with each KBL tanning device. Use protective eyewear whenever the tanning device is operated. Read related operating instructions in chapter *Guidelines for the use of protective eyewear*.

Do not tan more than once in a 48 hour period. Tanning results normally occur after a few sessions and increase after four (4) weeks of regular exposure. Follow the exposure schedule in accordance with your skin type as specified in chapter *Exposure schedule*. Failure to do so may result in overexposure. However, regardless of how dark an individual may tan on this tanning device, it will not provide adequate protection against overexposure to natural sunlight or UVB tanning devices.

SKIN TYPE II - This is the individual that usually burns easily and severely, tans minimally or lightly and peels.

SKIN TYPE III - Often referred to as „AVERAGE“ complexion. Burns moderately and tans about average.

SKIN TYPE IV - This individual burns minimally, tans easily and above average with each exposure.

SKIN TYPE V - This individual rarely burns, tans easily and substantially.

FURTHER INSTRUCTIONS



WARNING

No modification of this equipment is allowed.

- Follow all instructions given in this manual. In addition to that, observe all applicable statutory provisions and regulations, also those applicable in the country of operation.
- The tanning device may only be installed and assembled by specifically trained staff.
- Observe all danger signals and safety signs attached to the equipment.
- Safety signs must not be removed, and safety appliances must not be disabled.
- The tanning device may only be operated when in perfect working condition.
- Never operate the tanning device with the outer covering removed or with the acrylic panes removed.
- Pay attention to the load limit of the bed pane (tanning bed devices only).
- The canopy is not designed to carry additional loads. In particular, during installation the canopy must not be charged with additional loads.

2.2 Duties of the operator

The manufacturer cannot be held liable for damages or injuries resulting from improper use of the equipment or non-observance of these operating instructions.

Only use original spare parts, otherwise operating authorization and terms of guarantee will become invalid.

2.3 Intended use

This sunlamp product is a tanning device intended for the tanning of the human skin of an adult person who is in full command of his/her physical, sensorial and mental faculties. Moreover, sufficient knowledge and experience are required.

Wear protective eyewear to block UV radiation during tanning.

Lie down on the bench in a straight position and with physical contact to the bench. Choose a suitable position to reach the interior control panel at all times during the tanning.

During the operation no other person shall be in the radiation range of the sunlamp product. Children, should be supervised to make sure that they do not use the sunlamp product as a toy.

2.4 Indications for use

This sunlamp product is an over-the-counter tanning device emitting ultraviolet light in the UVB and UVA region of the spectrum intended for tanning of the human skin of an adult person.

2.5 Contraindications

Any adult person listed here after may not use this sunlamp product. If in doubt consult a physician.

This sunlamp product is contraindicated for use on persons under the age of 18 years.

This sunlamp product must not be used

- if skin lesions or open wounds are present.
- by persons wearing heart pacemakers.
- by persons prone to sunburn (skin type I).
- by persons already suffering from sunburn.
- by persons taking medicines.
- by persons taking photosensitive medications.
- by persons, who had several severe sunburns as children.

- by persons, who are being treated by a physician for conditions associated with photosensitivity.
- by persons, who are prone to freckles.
- by persons with atypical discolored skin areas or/and with more than five atypical moles with a diameter of 5 millimeters or more and persons with more than 16 moles with a diameter greater than or equal to 2 millimeters. If in doubt, consult a physician!
- by persons with naturally red hair color.
- by persons, who do not tan at all or cannot tan without getting sunburn.

2.6 Warnings

- This sunlamp product should not be used on individuals who have had skin cancer or have a family history of skin cancer.
- Persons repeatedly exposed to ultraviolet sunlamp products should be regularly evaluated for skin cancer.

2.7 Timer controlled operation

This sunlamp product must be operated with an external timer that is listed in compliance with UL 917.

If the external timer fails, the sunlamp product is automatically switched off by an internal timer after the TE-time of the respective type of sunlamp product.

The maximum tanning time must not be exceeded.



- The exposure times stated in the exposure schedule must be entered at the External Studio Timer.
- Information on how to enter the exposure time can be found in the operating instructions of your Studio Timer.

2.8 Guidelines for the use of protective eyewear

Before use, the length of the elastic strap must be adjusted to the required head size. For maximum protection to elevate stray light, the eye protection must fit securely and comfortably on the eyelids. If is any stray light from the sides or under the rim of the lens, DO NOT USE this eye protection. Ask the studio staff to recommend an alternative eye protection. Never use eye protection lenses that are broken, cracked, bleached out, or otherwise damaged. For cleaning the protective eyewear refer to chapter *Instructions on cleaning, disinfection and care*.

2.9 Freeing a trapped person

PROPER FUNCTION OF CANOPY DRIVE

Regardless of the operating state (stand by or in operation) of the tanning device, the canopy can be opened (lifted) manually from the inside or the outside easily and with very little effort, any time.

The easiest way to open the canopy is using the designated handle which is freely accessible from the inside and the outside of the device.

The canopy drive (lift) mechanism is a purely mechanical function that does not depend on electrical power.

MALFUNCTION OF CANOPY DRIVE

If, during a tanning session, a mechanical defect occurs at the canopy drive, lifting the canopy manually from the inside and from the outside is still possible at any time.

There is no mechanical interlock to prevent lifting the canopy.

However, if the canopy drive fails, a higher effort is required to manually lift the canopy and therefore one or two persons are needed to support the opening process from the outside.

PREVENTIVE MEASURES

- Observe the maintenance instructions for the canopy drive as prescribed in chapter *Maintenance intervals*.
- Look for a quiet and smooth movement of the canopy drive. If unusual noises occur, the canopy drive must be checked by trained service personnel.

3. Description of the tanning device

3.1 Standards

This tanning device is in conformity with performance standards 21 CFR 1040.20 and the standards for electromagnetic compatibility (EMC):

EN55015; EN55014-1; EN55014-2; EN61000-3-2; EN61000-3-3; EN61000-3-12; EN62233; EN60601-1-2; EN61000-4-2; EN61000-4-4; EN61000-4-5; EN61000-4-6

According to CISPR 11 the electromagnetic emission characteristic of this tanning device is classified in Group 1 and Class A.

The emission characteristics of this device make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this device might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

See EMC Tables according to 60601-1-2 : 2007

Table 1

Guidance and Manufacturer's Declaration - Electromagnetic Emission		
KBL 4800 ALPHA is intended for use in the electromagnetic environment specified below. The client or user of KBL 4800 ALPHA should assure that it is used in such an environment.		
Emission tests	Compliance	Electromagnetic environment - Guidance
RF emissions according to CISPR 11	Group 1	KBL 4800 ALPHA uses RF energy exclusively for its internal FUNCTION. Therefore, its HF emissions are very low and not likely to cause any interference in nearby electronic equipment. KBL 4800 ALPHA is intended for use in facilities other than residential areas, and for facilities that are directly connected to a public low-voltage supply system that also supplies residential buildings.
RF emissions according to CISPR 11	Class A	
Harmonics according to IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions according to IEC 61000-3-3	Complies	

Table 2

Guidance and Manufacturer's Declaration – Electromagnetic Immunity to Interference			
KBL 4800 ALPHA is intended for use in the electromagnetic environment specified below. The client or user of the lamp KBL 4800 ALPHA should assure that it is used in such an environment.			
Immunity tests	IEC 60601-Test level	Compliance level	Electromagnetic environment - Guidance
Electrostatic discharge according to IEC 61000-4-2	+/- 6 kV contact discharge +/- 8 air discharge	+/- 6 kV contact discharge +/- 8 air discharge	Floors should be made of wood or concrete or be covered with ceramic tiles. If floors are covered with synthetic material, the relative humidity needs to be at least 30 %.
Fast transient electrical disturbances/bursts according to IEC 61000-4-4	± 2 kV for power-supply lines ± 1 kV for input and output lines	± 2 kV for power-supply lines ± 1 kV for input and output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge voltages (surges) according to IEC 61000-4-5	± 1 kV differential mode voltage ± 2 kV common mode voltage	± 1 kV differential mode voltage ± 2 kV common mode voltage	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power-supply input lines according to IEC 61000-4-11	< 5 % U for ½ period (> 95 % dip) 40 % U for 5 periods (60 % dip) 70 % U for 25 periods (30 % dip) < 5 % U for 5 s (> 95 % dip)	< 5 % U for ½ period (> 95 % dip) 40 % U for 5 periods (60 % dip) 70 % U for 25 periods (30 % dip) < 5 % U for 5 s (> 95 % dip)	Mains power quality should be that of a typical commercial or hospital environment. If the user of KBL 4800 ALPHA requires continuous operation of the device even in the event of interruptions of the power supply, it is recommended that KBL 4800 ALPHA is powered by an uninterruptible power supply unit or by a battery.
Power-frequency (50/60 Hz) magnetic field according to IEC 61000-4-8	3 A/m	30 A/m	Power-frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Table 4

Guidance and Manufacturer’s Declaration – Electromagnetic Immunity to Interference			
KBL 4800 ALPHA is intended for use in the electromagnetic environment specified below. The client or user of KBL 4800 ALPHA should assure that it is used in such an environment.			
Immunity tests	IEC 60601- Test level	Compliance level	Electromagnetic environment - Guidance
			Portable and mobile RF communications equipment should be used no closer to the lamp KBL 4800 ALPHA, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
Conducted RF disturbances according to IEC 61000-4-6	3 V _{eff} 150 kHz to 80 MHz	3 V _{eff}	$d=0.35\sqrt{P}$ 80 MHz to 800 MHz
Radiated RF disturbances according to IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m 80 MHz to 2.5 GHz	$d=1.2\sqrt{P}$ 80 MHz to 800 MHz $d=2.3\sqrt{P}$ 80 MHz to 2.5 GHz
			<p>Recommended separation distance: where P is the rated power of the transmitter in watts (W) according to the information supplied by the manufacturer of the transmitter, and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a, are lower than the compliance level ^b in all frequency ranges. Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
NOTE 1 At 80 MHz and 800 MHz, the higher value applies.			
NOTE 2 These guidelines may not apply in all situations. The propagation of electromagnetic waves is affected by absorption and reflection from structures, objects and people.			
<p>^a Field strengths from fixed transmitters, such as base stations for radio telephones and land mobile radios, amateur radio, AM and FM radio and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which KBL 4800 ALPHA is used exceeds the applicable RF compliance level above, KBL 4800 ALPHA should be observed to verify normal operation in every location of use. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the KBL 4800 ALPHA unit.</p>			
<p>^b Over the frequency range from 150 kHz to 80 MHz, field strengths are less than 10 V/m.</p>			

Table 6

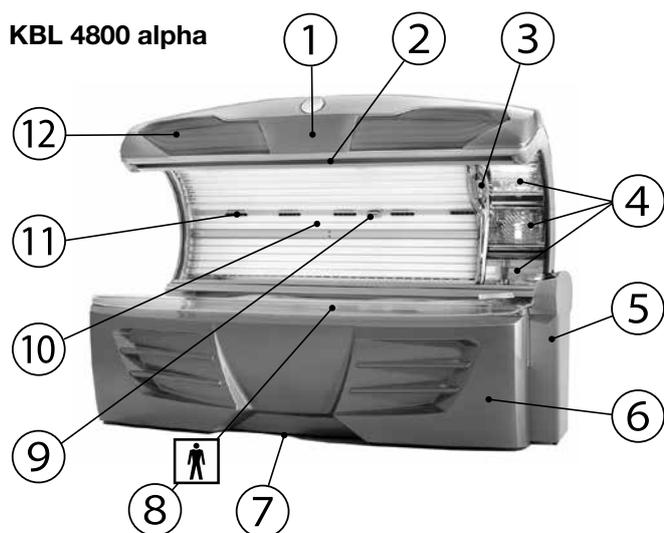
Recommended separation distances between portable and mobile RF communications equipment and the lamp KBL 4800 ALPHA			
<p>KBL 4800 ALPHA is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The client or the user of KBL 4800 ALPHA can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the lamp KBL 4800 ALPHA, as recommended below, according to the maximum output power of the communications equipment.</p>			
Rated output of the transmitter [W]	Separation distance according to frequency of transmitter [m]		
	150 kHz to 80 MHz $d=0.35\sqrt{P}$	80 MHz to 800 MHz $d=1.2\sqrt{P}$	800 MHz to 2.5 GHz $d=2.3\sqrt{P}$
0.01	0.035	0.12	0.23
0.1	0.11	0.38	0.73
1	0.35	1.2	2.3
10	1.1	3.8	7.3
100	3.5	12	23
<p>For transmitters rated at an output power not listed above, the recommended separation distance can be determined using the equation applicable to the respective column, where P is the rated output power of the transmitter in watts (W) according to the information supplied by the transmitter manufacturer.</p>			
<p>NOTE 1 At 80MHz and 800MHz, the separation distance for the higher frequency range applies.</p>			
<p>NOTE 2 These guidelines may not apply in all situations. The propagation of electromagnetic waves is influenced by absorptions and reflections of buildings, objects and people.</p>			

3.2 Components

The tanning device basically consists of the following components:

- The canopy including 24 tubes, 3 facial tanners and interior control panel.
- The bed part including 16 tubes and the electronic unit. Depending on the model also with optionally available components.

1	Canopy
2	Locking bar with the locks for the canopy pane.
3	Interior control panel
4	Facial tanner
5	Audio console with sound system. (optional equipment)
6	Bed (faceplate)
7	Opening mechanism of the bed part
8	Bed pane 
9	aquaCool - nozzles (optional equipment)
10	Canopy pane
11	Air nozzles
12	Decorative lighting



4. Connections

4.1 Class I ME equipment

⚠ WARNING



Risk of electric shock

To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

4.3 Connecting the mains voltage

⚠ DANGER



Live components

Risk of fatal injury due to electric shock when touching live parts.

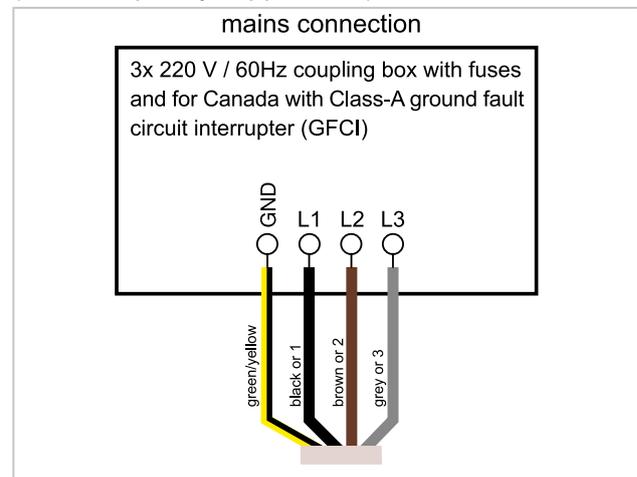
- Switch neutral and secure against reconnection.

Both the power supply and the related connection work must comply with national standards. The connection work and replacement of the power supply cord must only be performed by qualified expert staff. The connection to the 3 x 220 V mains must be protected by maximum over current protection. For Canada a Class-A ground fault circuit interrupter (GFCI) has to be used. Further information can be found in chapter “Technical data”.

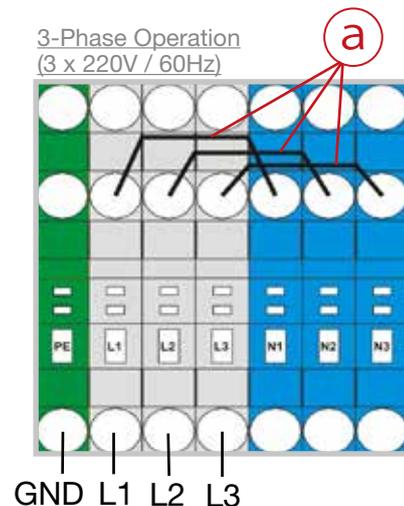
CONNECTION REQUIREMENTS

The electrical installation must be equipped with a freely accessible all-pole disconnecting device in accordance with the overvoltage category III. (Master switch with clearly marked on/off settings e.g. “O” and “I” or additional indicator light). This means that for full separation each pole must have a contact gap according to the conditions of the overvoltage category III. The device shall be capable of being locked in the off-position and shall comply with IEC 60447.

A supply main switch must not be incorporated in the power supply cord. A Class-A ground fault circuit interrupter (GFCI) has to be used for Canada. Should the operation of the tanning device cause any interference in the power supply network, e.g. with ripple-control systems (TRA), consult your power supply company to have corresponding blocking elements (audio frequency suppressors) installed.

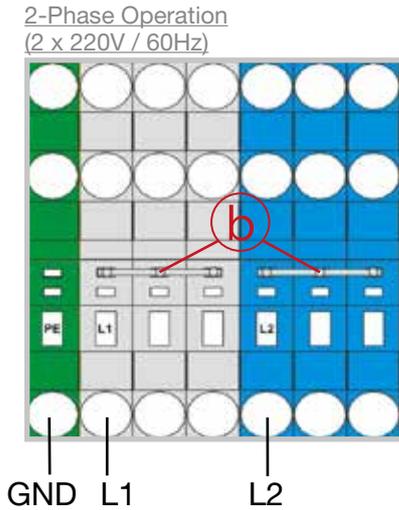


The tanning device is by default set up to operate on 3 phases but it can be changed over to 2-phase operation. The wiring for 3-phase operation is shown below:



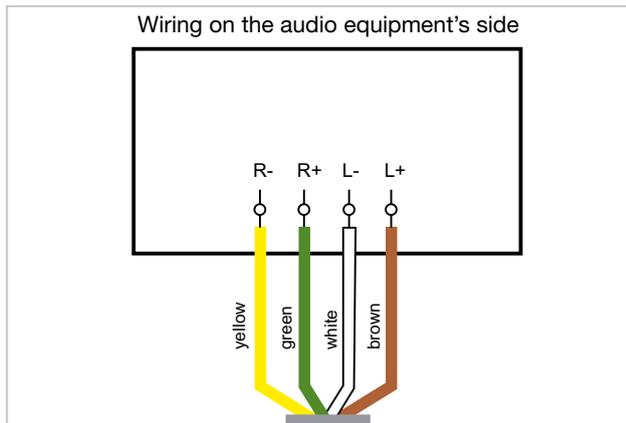
The wiring for 2-phase operation is shown below.

- Remove wires **a** (3 x Ø2,5mm x 0.1m).
- Set jumper **b** (2 x Wago 2016-403).
- Connect the 2-phase mains supply (GND-L1-L2) according to the diagram below.
- Make sure that you use the right cable for the power supply.



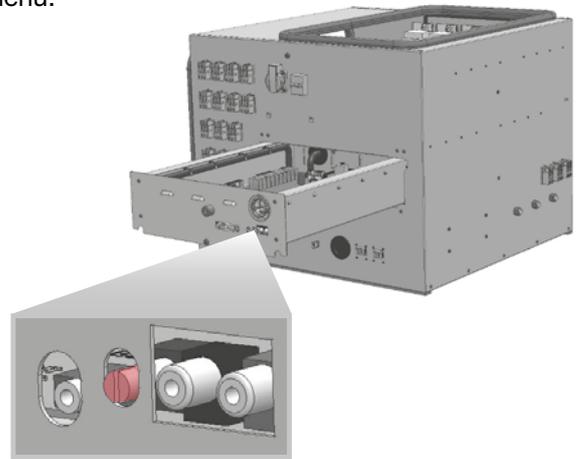
4.4 Connecting an external audio source

When connecting an external audio source (studio music), pay attention to the correct polarity.



4.5 Level adjustment studio music signal

The voice / audio system components are built in the middle of the bed part (vacuum housing) of the tanning device. The potentiometer which serves of the external audio signal is located on the left side of the housing. To avoid overdrive, select the level adjustment accordingly. The level setting depends on the strength of the external signal and should be carried out by a service engineer. Adjustment of the sound level can only be conducted in the service menu.



4.6 Operation using different audio sources

The tanning device can be operated using the following audio sources:

- An internal audio source
- Various external audio sources
- All available audio sources

The audio source can be changed via the interior control panel.

INTERNAL MP3 PLAYER

When using the internal MP3 player, you can either play the music tracks that are originally supplied on the SD card, or you can record your own tracks to the SD card.

EXTERNAL AUDIO SOURCES

LINE-IN

As an external audio source, you can connect devices ranging from the standard-line level to low loudspeaker levels.

These sources comprise:

- Studio music
- External players such as MP3 players, mobile phones (cell phones), I-pods, etc.

EXTERNAL 100 V AUDIO SIGNAL ON STUDIO CHANNEL (OPTIONAL FEATURE)

If you decide for a connection to a 100 V audio system, you will need a transformer (KBL no.: 9100 0170 00) for the transmission of the audio signal.

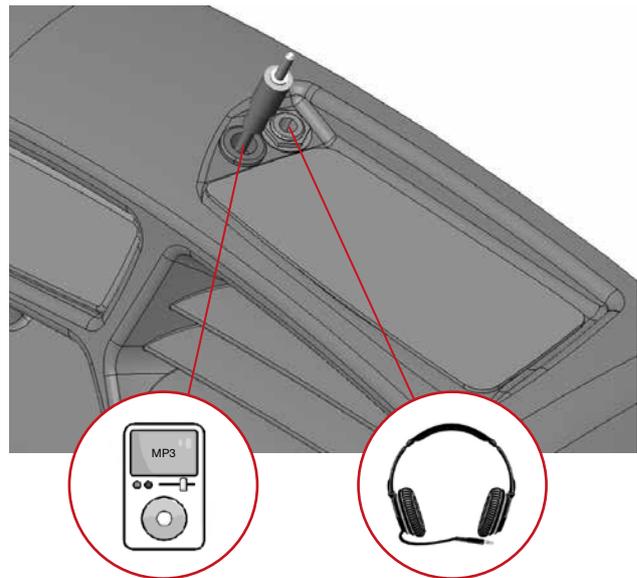
This connection must be made by trained service staff.

EXTERNAL PLAYERS & HEAD-/EARPHONES

A line connection has been integrated into the audio module so that the tanning device user can connect his or her own player such as an MP3 player, an iPod, etc. Take hold of the jack plug and pull the cable out of the opening. Then connect the jack plug to the earphone jack of your player. Then select "MP3 ext." as the audio source from the interior control panel of the tanning device before you start playing your own tracks from the player. For devices with bluetooth playback starts automatically.

The tracks can only be selected via the user's own player. The volume can be controlled via the interior control panel of the tanning device and also via the corresponding operating elements provided by the user's player.

Either a headphone or an earphone with a 6.3 mm jack plug can be used. The corresponding connector socket is located next to the line connector. The audio signal is switched over automatically.



ATTENTION

- Danger of damage to the player due to overheating.
- Do not place your player within areas that are directly exposed to UV radiation.

4.7 Bluetooth connection

To connect an external player (smartphone etc.) wirelessly to the tanning device an optional Bluetooth interface is available.

CONNECT EXTERNAL PLAYER

A Bluetooth connection can be established in stand-by and during tanning mode.

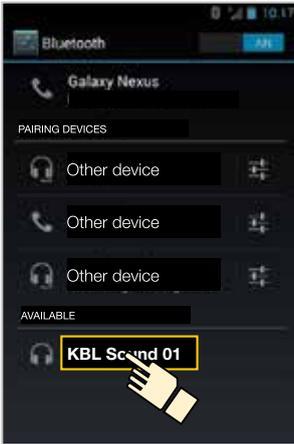


- Make sure that you are within the reception area (about 2 meters).
- Make sure that your player is configured to search for other bluetooth devices. Should this not be the case, enable bluetooth manually. To do so, please read the instructions for your player.

- Depending on your settings the search will be performed automatically or manually. All available Bluetooth devices within reach will be listed after a short time.

- Among the available tanning devices choose “KBL Sound”. In the service menu, a trailing number (01, 02, 03, ...) can be added to tanning devices name.
- If necessary confirm the shown code and connect again. Not every smart phone asks for a code.

Example - Samsung Galaxy



Example - Apple iPhone



- A two-time beep indicates that your player is connected to the tanning device.

Example - Samsung Galaxy



Example - Apple iPhone



- Set your player to a **medium volume level** and start the music.
- Adjust the volume level on your player.
- During the tanning session, the volume control has to be done at the tanning device.

DISCONNECT EXTERNAL PLAYER

An existing connection is disconnected automatically after tanning.

The connection is automatically disconnected if the tanning session is not started within 6 minutes.

COMPATIBILITY OF BLUETOOTH DEVICES

KBL AG attaches great importance to hardware compatibility. Due to the large number of manufacturers, KBL can not guarantee a 100 % compatibility. In rare cases, it may happen that a bluetooth connection can not be established.

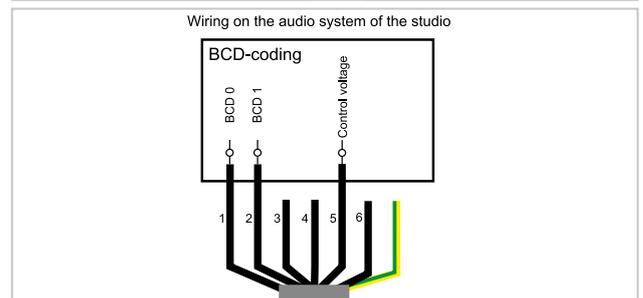
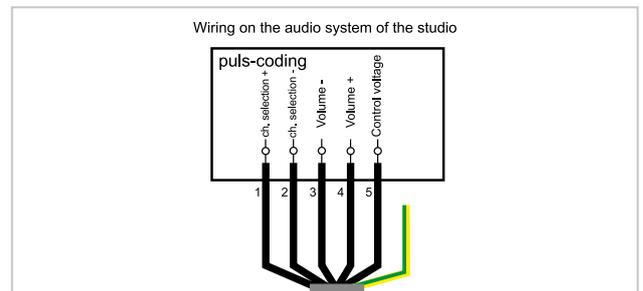
CORRECTIVE ACTION

Each bluetooth device offers a list of paired devices. Delete the older entries in this list which have a profile that overlaps with the ones for which you want to pair your player.

Start the bluetooth device detection again.

4.8 Connecting the channel selection

The following diagrams show the wiring of the channel selection on the audio equipment’s side, for pulse coding as well as for BCD coding.

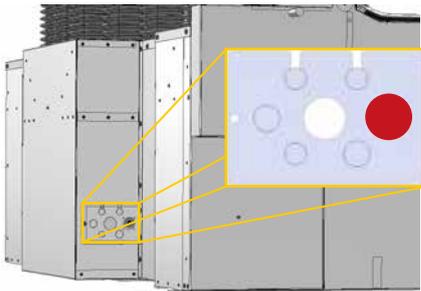


CHANNEL	BCD 0	BCD 1
1	0	0
2	1	0
3	0	1
4	1	1

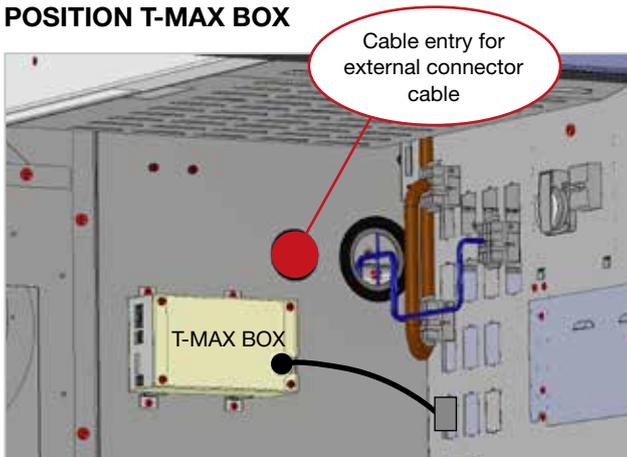
4.9 Connecting the external timer

Pass both, the connector cable of the T-Max timer and the leads of the tanning device, from the main port through the cable entry in the rear wall to the T-Max Box.

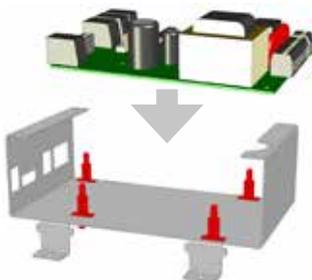
T-MAX CABLE ENTRY AT THE MAIN PLUG (EXTERNAL CONNECTOR CABLE)



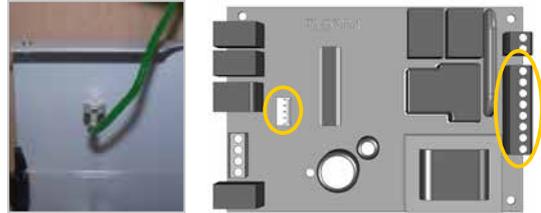
POSITION T-MAX BOX



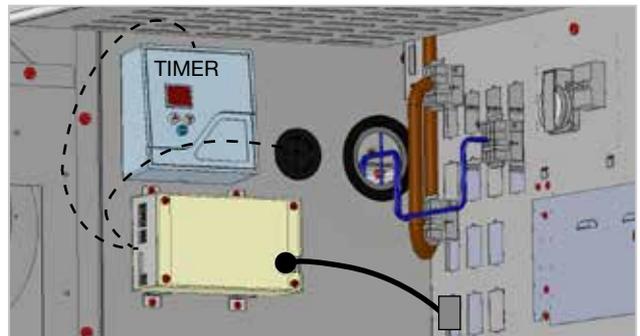
- Remove the cover from the T-Max Box.
- Insert the T-Max board to the socket pins of the box.



- Attach the connectors to the T-Max board and housing (ground).



- Attach the cover of the T-Max Box.
- Fasten the timer above the T-Max box, using the two screws.



- Connect the external cable and the timer to the T-Max box.

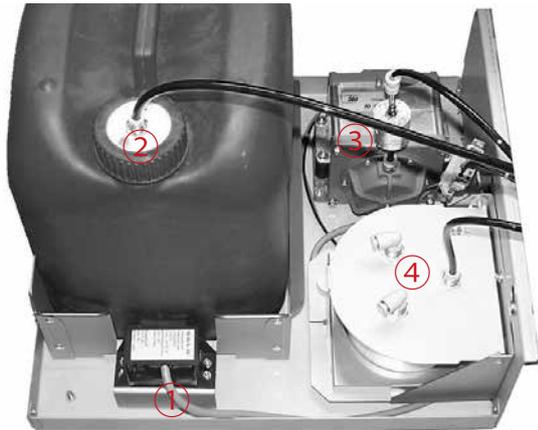


- The exposure times stated in the exposure schedule must be entered at the External Studio Timer.
- Information on how to enter the exposure time can be found in the operating instructions of your Studio Timer.

4.10 aquaCool and Aroma connections

AQUACOOOL

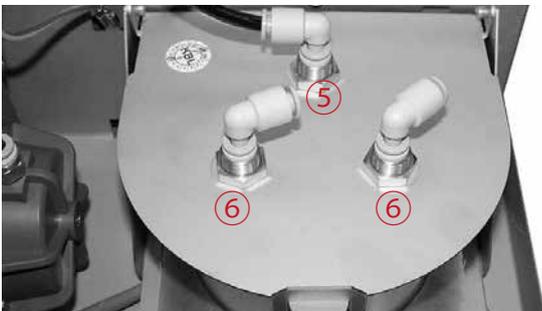
The aquaCool box is equipped with a liquid-level sensor ① as well as with a connection to the aquaCool canister ②. Furthermore, the box houses the compressor ensuring the compressed-air supply ③, and the Aroma box ④ with its related connections.



1	Connector (liquid-level monitoring)
2	Connection to aquaCool canister
3	Compressor with compressed-air connection
4	Aroma box

AROMA

The Aroma box is attached within the aquaCool box and equipped with three hose connections, one for the compressed-air supply ⑤ and two leading to the Aroma nozzles ⑥.



5	Aroma box (inlet)
6	Aroma box (outlets)

5. Start-up

Before switching on for the first time:

- Fix the supplied warning sign or one with the following wording permanently to the wall close to the tanning device:

Warning

- UV-radiation can cause eye and skin damage as well as skin aging and possibly skin cancer. Ask the studio staff for further information.
- Wear protective goggles.
- Certain medicines or cosmetics can increase the sensitivity of the skin to UV radiation. If in doubt, consult a physician.

- Determine the presettings for the device in the service menu.
- Check correct installation of fluorescent tubes. The tube labeling must be visible, otherwise no tanning effect may be obtained.
- Store these Operating Instructions in a place that allows for easy access at any time.

5.1 Operating modes

The three different operating modes are explained below:

STANDBY MODE

The tanning device is in an idle state, i.e. it is connected to the mains but is currently not being used. The tubes and the tanning lamps are switched off. From the standby mode, you can change over to the tanning mode or to the service mode.

TANNING MODE

The tubes and the tanning lamps are switched on and a tanning session is in progress. While the tanning device is in tanning mode, the settings for the ongoing tanning session can be changed via the interior control panel.

SERVICE MODE

In the service mode, the tanning device is configured for the tanning mode. Various values can be displayed and test functions can be carried out.

FAN RUN-ON

After the tanning session, the fan runs on for 3 minutes in order to cool down the device. The fan power is automatically decreased as the tubes cool down.

6. Tanning instructions

Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type.

NO SUNSCREEN WITH PROTECTION FACTOR

Sunscreens with sun protection factors are unsuitable for use in a tanning salon. For tanning, the skin should have been thoroughly cleaned and be dry.

6.1 Instructions for the user

Observe the following tanning instructions.

GENERAL

- Only individuals described in chapter *Intended use* and not listed in chapter *contraindications* may use the tanning device.
- The different skin types tolerate the sun and hence tanning times to a different degree. Please observe the specifications in the skin-type table (supplied with the tanning device) and the tanning times. After having reached the ultimate tan, further tanning can only be achieved by substantially exceeding the allowed tanning times. This must absolutely be avoided.
- The UV radiation of the sun or of UV appliances can cause damage to the skin or to the eyes. These biological effects depend on the type and amount of radiation as well as on the individual sensitivity of the skin.
- After excessive exposure to radiation, the skin may exhibit sunburn. Excessively repeated exposure to UV radiation of sunlight or UV appliances can result in premature ageing of the skin and in a higher risk of skin cancer.

- The unprotected eye can suffer from surface inflammation and in certain cases, e.g. after a cataract operation, excessive radiation can damage the retina. After many repeated sessions a cataract might form.
- Do not expose yourself to UV radiation if you take medicine that increase the sensitivity to ultraviolet radiation. When in doubt, seek medical advice.
- It cannot generally be assumed that the use of a tanning device reduces the risk of getting a sunburn.
- Seek medical advice if persistent swellings or skin sores develop or pigmented moles change in appearance.

FOR EACH TANNING SESSION

- Always wear the supplied protective goggles.
- Remove cosmetics before the session and do not use any sunscreen.
- Allow for at least 48 hours to pass between sessions.
- After a tanning session in a studio, do not take another sunbath out of doors on the same day.

6.2 Exposure schedule

For the precise definition of the skin types, please refer to the supplied skin-type table.

If the tanning-session sequence is interrupted for 4 weeks or more, you will have to start with the first session again.

The times mentioned in the exposure schedules are only valid for tubes and facial tanners that are replaced according to the maintenance intervals.

This exposure schedule is valid for the following tanning device:

- KBL 4800 ALPHA - ELECTRONIC POWER - P2 *
(KBL 4800 - 40p2/3a - 1616 ep u_us)

		Week 1 1st - 3rd Session	Week 2 4th - 6th Session	Week 3 7th - 9rd Session	Subsequent Weekly Session
SKIN TYPE	II	2	4	5	9
	III	2	5	6	10
	IV	2	5	6	11
	V	2	6	7	12
Maximum exposure is 12 minutes!					



- The exposure times stated in this exposure schedule must be entered at the External Studio Timer.
- Information on how to enter the exposure time can be found in the operating instructions of your Studio Timer.

* For tube set, see table "Technical data".

7. Tanning mode

⚠ DANGER

Excessive dose of UV radiation

Excessively prolonged tanning sessions may cause severe damage to skin and eyes.

- Never operate the tanning device with a defective timer.
- Observe the tanning times given in the exposure schedule.

The following explanations and functions refer to a tanning device that is fully equipped with all features.

7.2 Starting the tanning session

The tanning session automatically starts after the studio-timer controlled delay time has expired. During the preset delay time the tanning session can be started anytime manually using the START button at the tanning device.

7.3 Operation during the tanning session

You can control the functions of the tanning device via the interior control panel during the tanning session. It is particularly easy for you to access the basic functions.

Buttons with recesses that can easily be sensed allow for easy operation of the system even with your eyes closed.

NOTES:

20 seconds after your last input, the interior control panel changes over to the indication of the tanning time. An information line at the bottom edge of the interior control panel informs you about currently selected features.

ARROW BUTTONS

- Allows the selection of subordinate functions.

+/- BUTTONS

- Control the functions.

STOP BUTTON

- Stops the tanning session if pressed for at least two seconds.

DISPLAY

- Shows the menu items and functions.
- Indicates the tanning time.
- Information line.

START BUTTON

- Starts the tanning session during the timer controlled delay time,
- as well as after an interruption caused by pressing the STOP button, provided that the booked tanning time has not elapsed yet.

Position recessed button

During the tanning session, you need quick access to basic functions such as volume control, body fan and facial tanners.

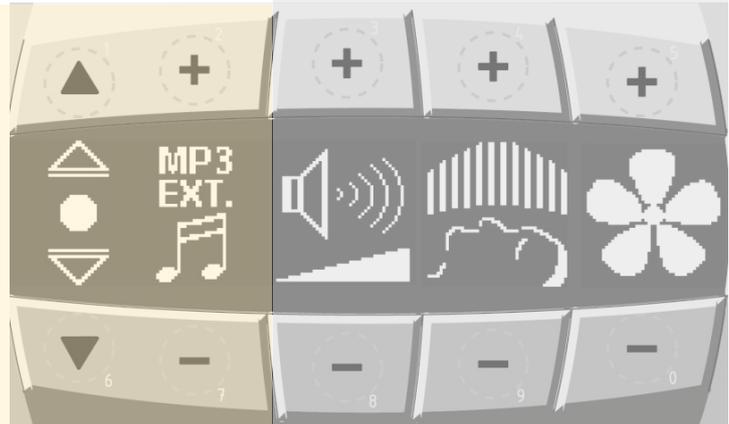
You should also be in a position to change the subordinate functions.

The interior control panel caters for both requirements. You have

- direct access to frequently needed functions via the “Basic functions” section, and
- access to the subordinate functions you made via the variable section of the control panel (display according to the rotation principle).

Basic functions

Variable section of the interior control panel



During the tanning session, you continue to have access to the subordinate functions. If you wish to make any changes, you can do so in the variable section of the interior control panel. By pressing one of the arrow buttons , above or below the changeover symbol , all available functions will be displayed one after the other according to the rotation principle. You can switch these individual functions on or off and, if possible, make changes to the settings.

The basic functions portrayed here refer to a fully equipped tanning device.

If you have chosen a simpler equipment package, functions from the variable operating elements automatically take the place of the missing basic function.

Prerequisite:

The functions must be available and activated in the service menu.



Selectable function symbols (for a fully equipped tanning device)



7.4 Basic functions

<p>Volume</p>	<p>Facial tanner</p>	<p>Body fan</p>
<p>Keep pressed for 2 seconds</p>	<p>Keep pressed for 2 seconds</p>	<p>Keep pressed for 2 seconds</p>

Remark on facial tanner operation:
 For safety reasons, the facial tanner, once switched off, cannot be switched on again before three minutes have elapsed. If you try to activate the facial tanner during this time, your command will be stored, and the tanner will be switched on automatically after a delay, i.e. after the blocking time has elapsed.

The body fan is automatically controlled by ACS. As soon as you press one of the fan buttons, the automatic mode is interrupted.

7.5 Variable section of the interior control panel

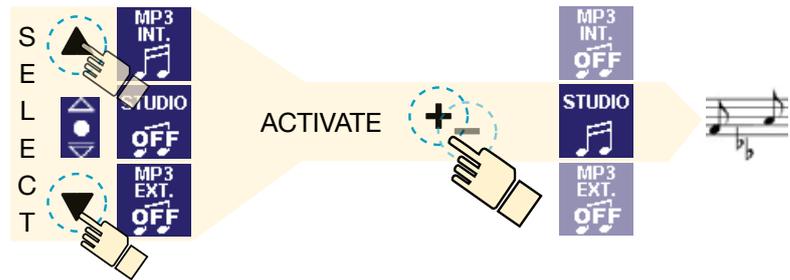
<p>Air-conditioning</p>	<p>aquaCool</p>	<p>Aroma</p>	<p>megaVoice</p>
<p>After the air-conditioning system has been switched off, it cannot be restarted for three minutes for safety reasons. If the system is switched on during this time, the command will be stored. The air-conditioning system will be switched on automatically after a delay, i.e. after the blocking time has elapsed. If the condensate canister is full, the following symbol flashes on the interior control panel:</p> <p>See also the chapter "Maintenance/Air-conditioning system".</p>	<p>An ongoing spraying process cannot be stopped. If the aquaCool supply is running low, a corresponding message is displayed in the standby mode. After the message has appeared for the first time, the aquaCool supply will last for approximately another 2.5 hours of operation. If the system has run out of aquaCool liquid, the aquaCool function is deactivated automatically, and the symbol shown below is displayed.</p> <p>aquaCool is automatically re-activated as soon as a full canister has been connected.</p>		

AUDIO FUNCTIONS

There is a maximum of three audio sources available at the user's disposal. If you change over to another source, you must activate it first. The activation is effected by pressing the  or the  button.

All inactive audio functions are marked with "OFF" on the interior control panel so that you can easily recognise the active audio source.

MODEL: ACTIVATING AUDIO FUNCTIONS



Variable section of the interior control panel (audio functions)

Channel

Studio



This function is used to play the studio music.

If the Studio function has been activated, you can press the plus and minus buttons to browse through the channels, provided that more than one channel is available.

MP3 external (AUX)



The audio module of the tanning device is equipped with a cable with a 3.5 mm jack plug so that you can make use of external players, such as MP3 players, iPods, etc. In this way, you can connect the headphone jack of your player to the tanning device. Use the corresponding operating elements of the external player in order to select the desired tracks. With the "MP3 external" control element you have also access to a Bluetooth connected device.

Channel

Tracks

MP3 internal



This function is used to play the tracks of the internal MP3 player of the tanning device.

If the MP3 internal function has been activated, press the plus and minus buttons to browse through the individual tracks.

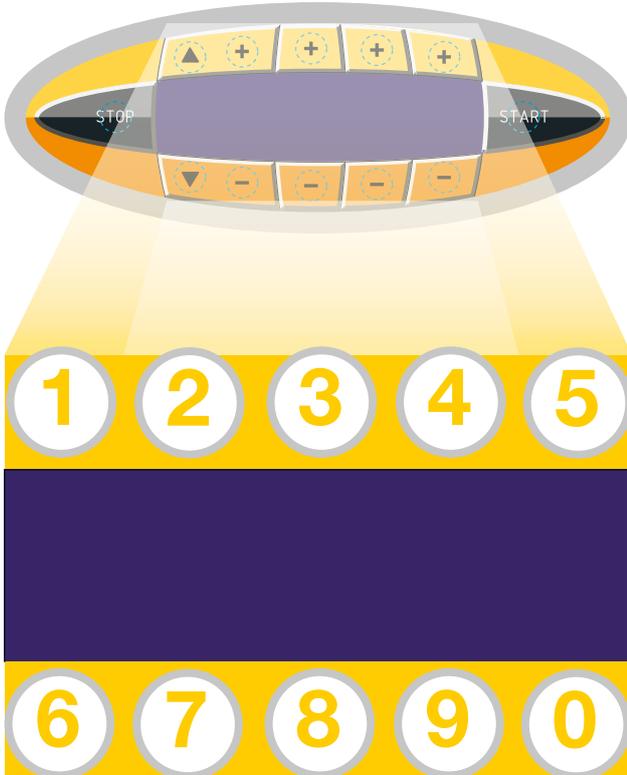
Tracks

8. Standby mode

While the tanning device is in standby mode, you can switch the decorative lighting of the tanning device on and off and trigger an aquaCool spraying test (1 spraying cycle).

8.1 Layout of the interior control panel numbers

The buttons of the interior control panel are allocated double functions. In addition to the standard operating elements, they stand for numbers that, in standby mode, provide access to standby and service functions. Simply enter the corresponding sequence of numbers on the interior control panel.



8.2 Switching the decorative lighting on and off



NOTE

The connection times of the decorative lighting can be set in the service menu individually for each day of the week.

There are two independent connection periods (A and B) available for each day of the week.

8.3 aquaCool spraying test



NOTE

Do not let too much time pass between the individual keystrokes when entering a sequence of numbers!

9. Maintenance and cleaning

Regular maintenance as shown in chapter *Maintenance intervals* is required for the safe operation of the tanning device and must be documented.

- Maintenance work may only be carried out by authorized, trained and qualified staff.
- Before carrying out any maintenance work, the tanning device must be disconnected from the mains voltage.

 DANGER	
	Live parts
	Risk of fatal injury due to electric shock when touching live parts. <ul style="list-style-type: none"> • Disconnect from mains and secure against reconnection!

	• USE ONLY ORIGINAL SPARE PARTS.
	<ul style="list-style-type: none"> • Replace illuminants and filters only with ones which are characterized on the tanning device. • Use only original KBL ballasts (art. no. 3200271131) for smart technology and CPI-Energy tanning devices.

9.1 Instructions on cleaning, disinfection and care

GENERAL INSTRUCTIONS

Before starting to clean the tanning device, take off any rings, bracelets, watches, etc. that you might be wearing, in order to avoid scratching the surfaces of the tanning device.



	<ul style="list-style-type: none"> • Cleaning fluid and/or disinfectant must not run into the tanning device.
---	--

CLEANING AND DISINFECTION

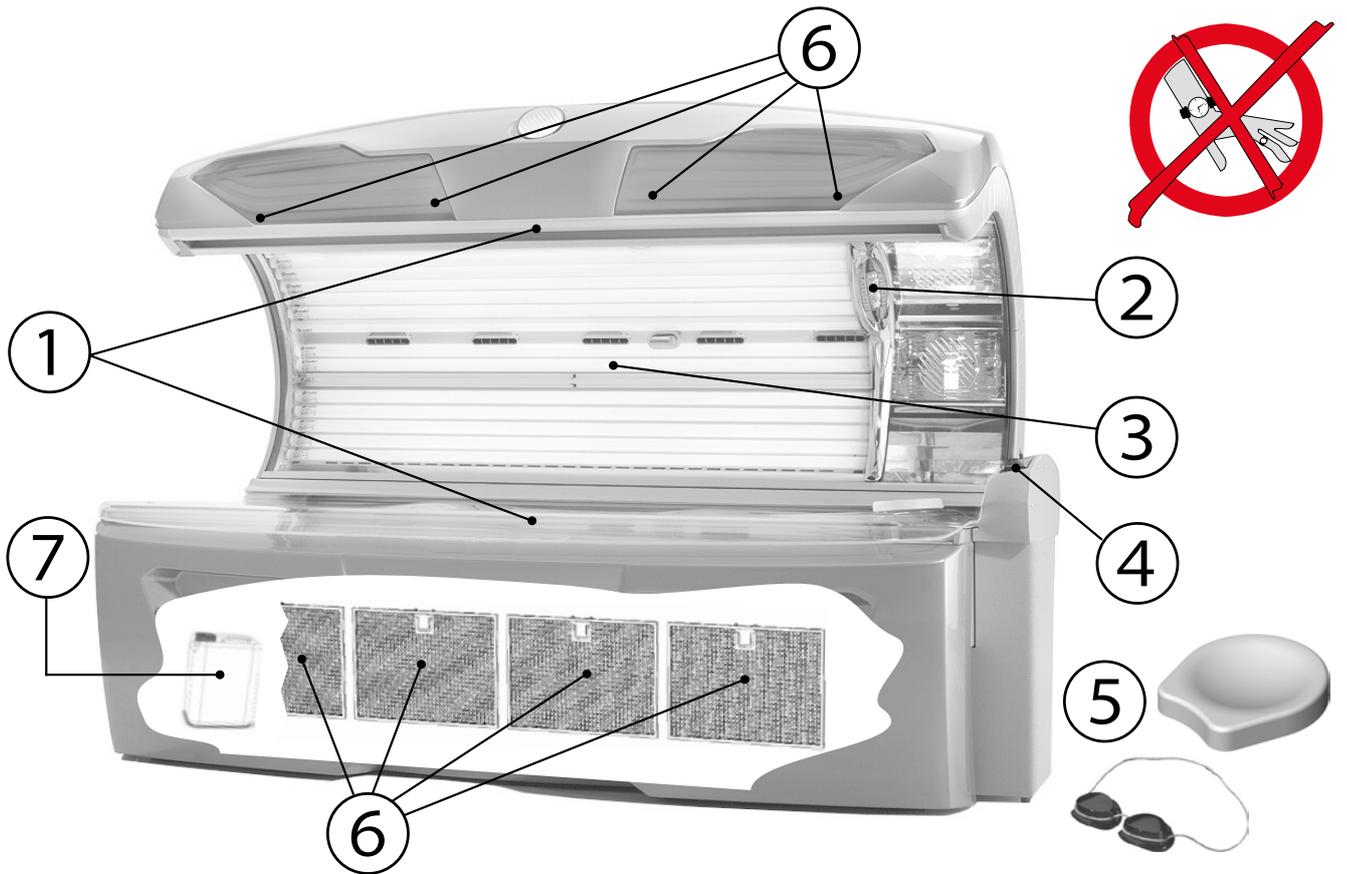
 WARNING	
	Risk of Infection.
	Risk of Infection by transferring through skin contact.
	<ul style="list-style-type: none"> • After each tanning session the tanning device must be cleaned and disinfected with a cleaning and disinfectant agent. • Use only EPA registered quaternary ammonium germicidal based detergent solution (follow product label for use-dilution), such as Lucasol One Step, to clean and disinfect the tanning device and its components. • For thorough cleaning and disinfection, the product must be allowed to remain in contact with the surface being cleaned and disinfected for a specified amount of time. This specified amount of time depends on the cleaner/ disinfectant which is used. Follow the directions for use of the cleaner/disinfectant. After this specified application time remove remaining cleaner/disinfectant from the surfaces of the tanning device. Use a single-pass paper towel.

APPLICATION

These symbols have the following meaning.

Apply the cleaning agent on the chamois or cloth and not directly on the surface.





	Part	Application	Cleaning and disinfection activities	Interval		
①	Bench pane & handles	Directly on the surface	Clean these parts with single-pass paper towels. Use only EPA registered quaternary ammonium germicidal based detergent solution (follow product label for use-dilution), such as Lucasol One Step, to clean and disinfect the tanning device and its components. For thorough cleaning and disinfection, the product must be allowed to remain in contact with the surface being cleaned and disinfected for a specified amount of time. This specified amount of time depends on the cleaner/ disinfectant which is used. Follow the directions for use of the cleaner/disinfectant. After this specified application time remove remaining cleaner/disinfectant from the surfaces of the tanning device.	After each tanning session		
②	Control panel	 				
③	Canopy pane	Directly on the surface				
④	MP3 cable	 				
⑤	Protective goggles and neck pillow	 				
⑥	Filter inserts				Remove the inserts and rinse out under running water.	100 operating hours
⑦	Condensate canister				Empty the condensate canister if a corresponding message is displayed at the interior control panel.	When required
	Tubes	 	Remove tubes and clean them with a damp chamois.	200 operating hours		
	Chromed parts	Directly on the surface	Clean with a damp chamois and a cleaning agent for acrylic plastic (antistatic).	When required		
	Plastic surfaces and varnished surfaces	Directly on the surface	Clean with a damp soapy cloth. Never clean with a dry cloth!	When required		

9.2 Maintenance intervals

Component/ wearing part	Cleaning/care	Replacement
Condensate tank	If a corresponding message is displayed.	When required
Air filter	Depending on local conditions after approx. 100 operating hours	/
Tubes - CPI	After approx. 200 operating hours	Typical value after about 1100 operating hours. For further information see data sheet.
Tubes - Electronic Power	After approx. 200 operating hours	Typical value after about 800 operating hours. For further information see data sheet.
Facial tanners	When required	After approx. 500-600 operating hours
Acrylic pane (bed)	When required	After approx. 1500 hours
Acrylic panes (others)	When required	When required
aquaCool nozzles	When required	After approx. 1000 hours
Air hoses	Check after 500 - 600 hours.	When required
Air-conditioning unit	Clean the heat exchangers after 500 - 600 hours and check the condensate pump.	When required
Springs of the canopy drive	After approx. 2000 operating hours / 1 year	After approx. 10000 operating hours / 4 years
Protective pane-switch - Filter panes	Test the switches with each removing of filter panes	When required

9.3 Tools and aids

 4	Hexagon socket screwdriver (SW 4 / 60 mm) Art. No.: 3410055251
 PH2	Standard Phillips screwdriver (PH2)
	Finally acknowledge a process by pressing the Start button (interior control panel).
	Number of required persons

The following chapters describe the work steps required for carrying out maintenance and care actions.

At the beginning of each chapter, the required tools and aids are depicted, unless the corresponding process can be carried out by one individual person without any further auxiliary equipment.

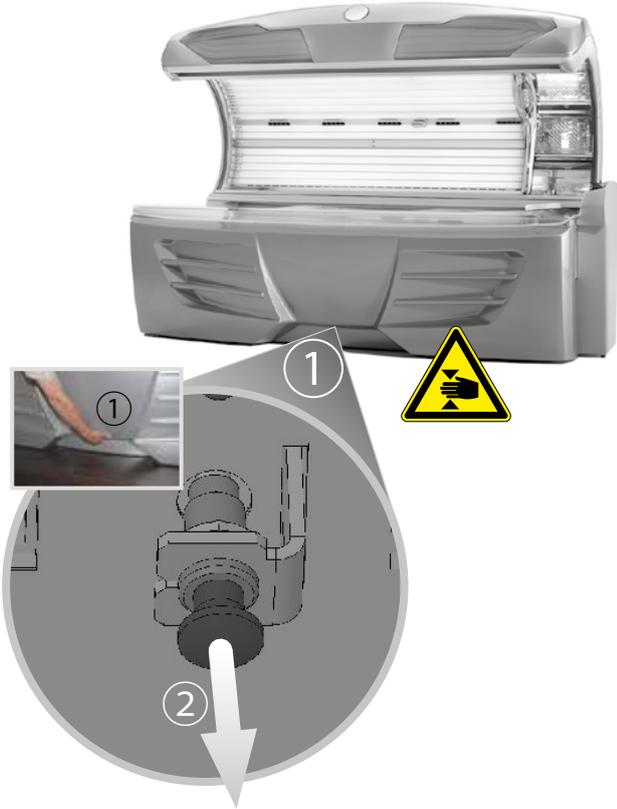


The assembly is basically carried out in reverse order of the disassembly. Exceptions are especially pointed out.



If you open the bed part or one of the acrylic panes, you must, after closing, acknowledge a warning message appearing on the interior control panel.

9.4 Unlocking the bed

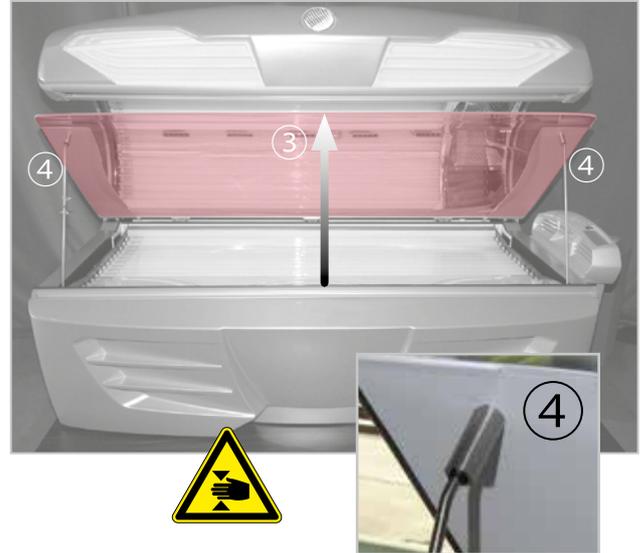


⇒	Fold up the canopy.
①	Reach into the lower gap positioned in the middle of the front panel.
②	Drag release button.
⇒	Tilt up the bed.

9.5 Acrylic panes



TILTING UP THE BED PANE



③	Hold the bed pane in the middle of the front edge and lift it.
④	Support the bed pane with the two lateral positioners.

TILTING UP THE INTERMEDIATE PANE

i	Only for tanning devices with air conditioning.
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⑤	Lift the intermediate pane on one side in order to affix the suction cup in center of the bed pane.
⑥	The suction cup is attached to the linkage of the left hand side positioner.

TILTING DOWN THE CANOPY PANE

4				
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Attention
Prevent the pane from falling down when opening it.

- Open the middle pane lock at last.

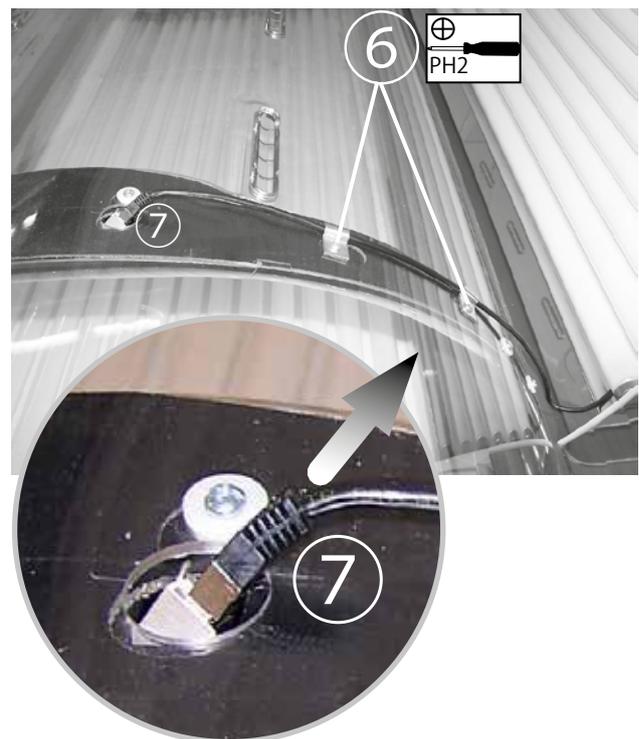




REMOVING THE CANOPY PANE

4					
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It is not usually necessary to remove the canopy pane for maintenance and cleaning operations. Should you prefer to work with the canopy pane removed, though, please proceed as follows:



Page 33	Tilt the canopy pane down.
⑥	Remove the strain relief of the interior control panel cable (Phillips screw M4).
⑦	Detach the interior control panel cable.

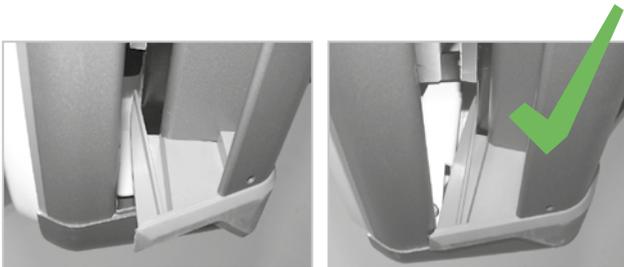
⑤	Open the 5 locking spigots by using the hexagon socket screwdriver supplied. Observe the order!
⇒	Tilt the pane down.



- | | |
|---|---|
| ⑧ | Reach into the rear ventilation gap positioned in the middle of the pane. |
| ⑨ | Carefully pull the pane towards the front and out of the tanning area. |
| ⇒ | Deposit the pane in a safe place. |

ASSEMBLY NOTE

Proceed in reverse order in order to re-install the canopy pane. Make sure that the profil-guide is correctly positioned.



- | | |
|--|--|
| | When closing the canopy pane, make sure that the profil-guide is correctly positioned. |
|--|--|

9.6 Filter panes

4					
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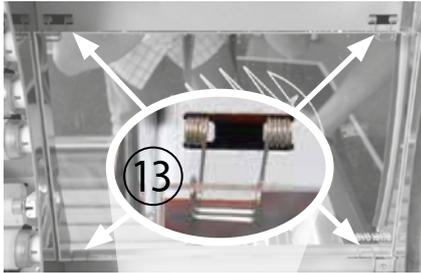
DANGER	
	<p>Excessive UV radiation Operating the tanning device with defective filter panes can result in serious injury to skin and eyes.</p> <ul style="list-style-type: none"> • Never operate the tanning device if the filter pane is not present or defective. • Carry out regular visual inspections. • Replace filter panes only with ones of the same type. • Have the filter panes installed only by trained technical personnel.

REMOVING THE FILTER PANES (PREPARATION)



- | | |
|------------|--|
| Page
33 | Tilt the canopy pane down. |
| ⑩ | Undo the screws of the mirror panels (4 x M5). |
| ⑪ | Remove the central panels. |
| ⑫ | Tilt up the outer panels. |

REMOVING THE FILTER PANES



- | | |
|---|--|
| ⑬ | The pane is fixed with two clamps each on the two longitudinal edges. |
| ⑭ | Remove the pane from the spring retainer. To do so, press the pane to be exchanged slightly against a pair of clamps and, while keeping it slightly pressed, tilt it out of the holder on the relieved side. |

SAFETY FUNCTION

The facial tanners are equipped with an additional safety function. There is a protective pane-switch behind each filter pane. This switch turns off the tanner if the filter pane is missing or broken.

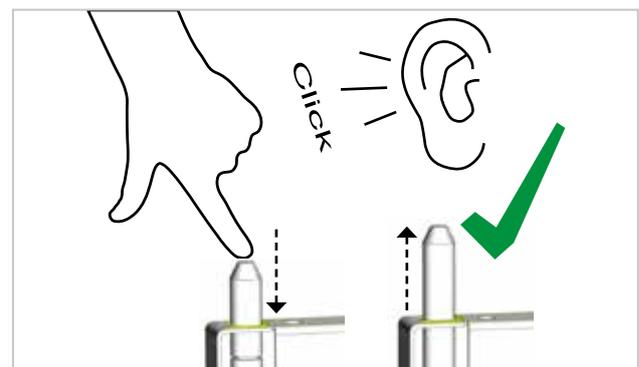
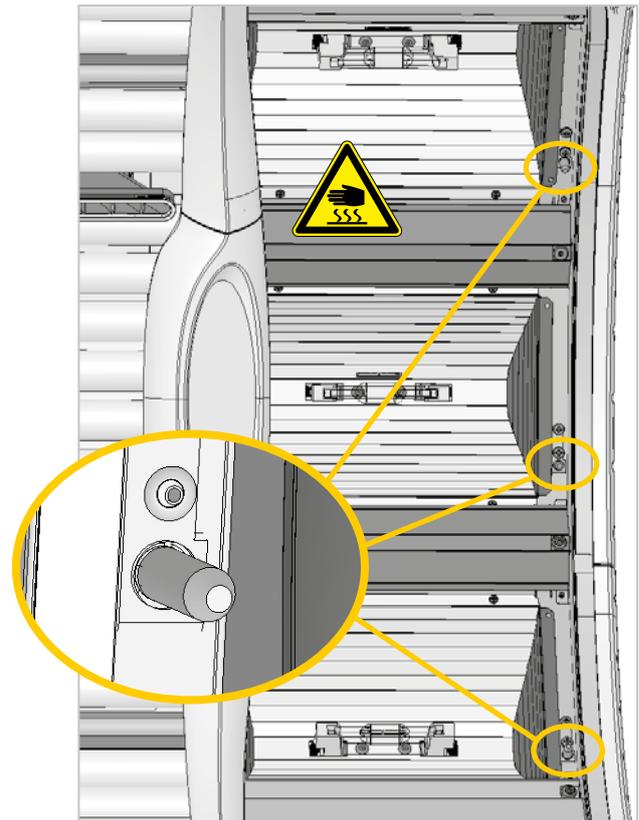
TESTING THE PROTECTIVE PANE-SWITCHES

⚠ DANGER

Excessive UV radiation

Operating the tanning device with defective filter panes can result in serious injury to skin and eyes.

- Test the protective pane-switches with each removing of the filter panes.



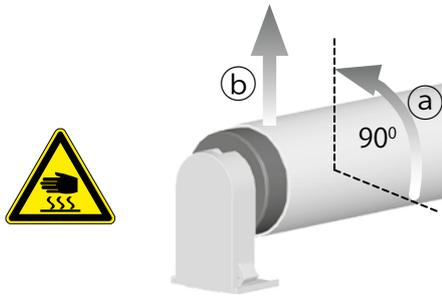
Press the switch. When a clicking sound is heard, and the switch automatically return, the system is functional.

9.7 Tubes

4					
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	<ul style="list-style-type: none"> When installing the tubes, make sure that the tube inscription is visible. If it is installed in a different position, there will be no tanning effect. After new tubes have been installed, the operating hours of the tubes must be reset in the service menu.
---	---

REMOVING TUBE



TUBE REPLACEMENT IN THE BED PART



Page 32	Open the bed pane.
15	If the tanning device is equipped with an air-conditioning unit, remove the ducting pane.
⇒	Remove the tubes.

TUBE REPLACEMENT CANOPY PART

Page 33	Tilt the canopy pane down.
⇒	Remove the tubes.

9.8 P2 Tubes



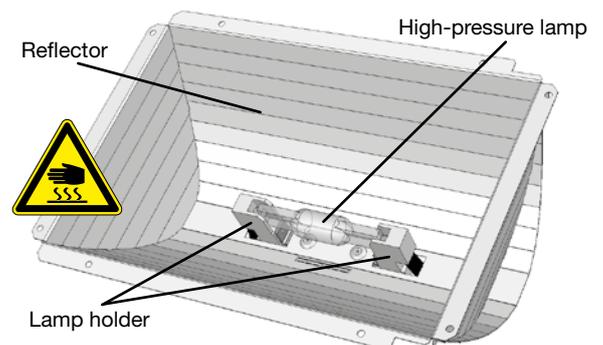
If your tanning device is equipped with P2 tubes, maintenance and care intervals are equal to the cycles for standard tubes.



	<p>Attention!</p> <p>When installing / dismantling the P2 tubes, pay attention to the middle holding clamp.</p>
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9.9 Facial tanners

4					
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REPLACING THE HIGH-PRESSURE LAMP



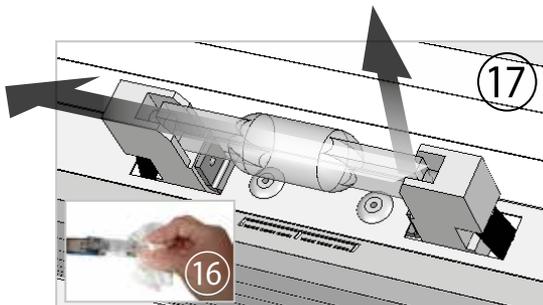
Attention

The high-pressure lamps must only be installed and removed by trained technical personnel.



Dirt accumulation and bad seating can lead to damage during the operation.

- Insert the high-pressure lamps straight into their holders.
- When installed, the little glass pin in the middle of the light bulb must point towards the reflector.
- Never touch the lamp or the reflector with your bare hands. If necessary, remove grease and dirt with an alcohol-containing agent.



Page 33

Tilt the canopy pane down.

Page 34

Remove the filter panes.

16

Hold one end of the high-pressure lamp. **Use a clean cloth free from grease.**

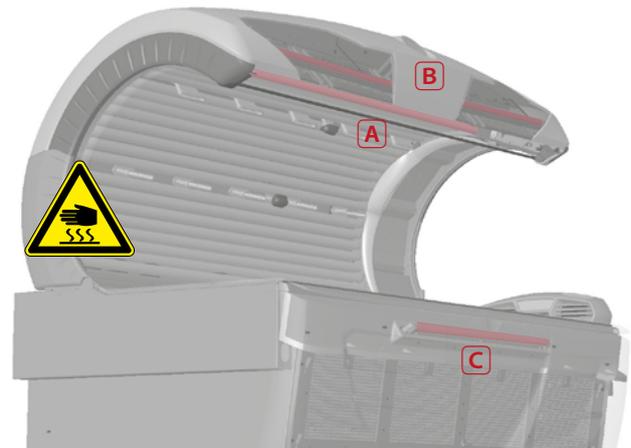
17

Press the lamp against one side of the holder. As soon as the relieved side is loose, take the lamp out of the holder.

9.11 Interior unit lighting

The decorative lighting of the tanning device consists of the following components.

- In addition to the UV tubes in the canopy, a decorative fluorescent tube is affixed.
- In the canopy (eyes) are two fluorescent tubes installed.
- Additionally, a fluorescent tube is affixed in the front side of the bed.



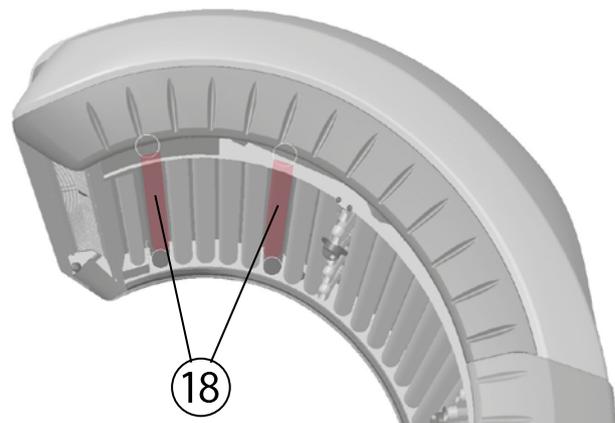
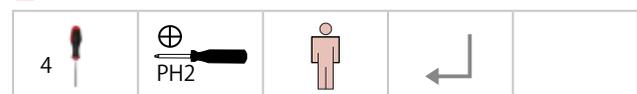
A Fluorescent tube in the tanning room.

B Fluorescent tubes in the canopy (eyes lighting).

C Fluorescent tube in the bed.

If a defect, please change the decorative fluorescent tubes according to the following instructions:

A FLUORESCENT TUBE IN THE TANNING ROOM

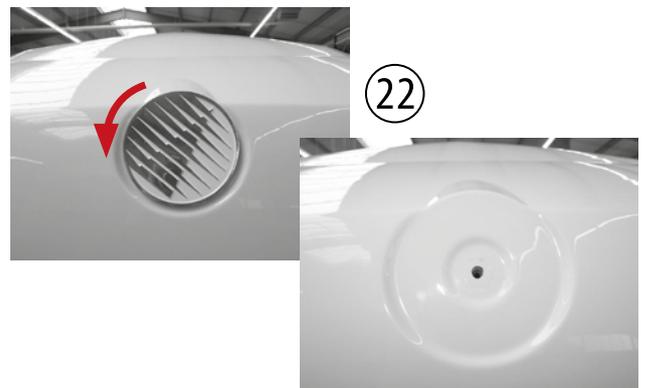




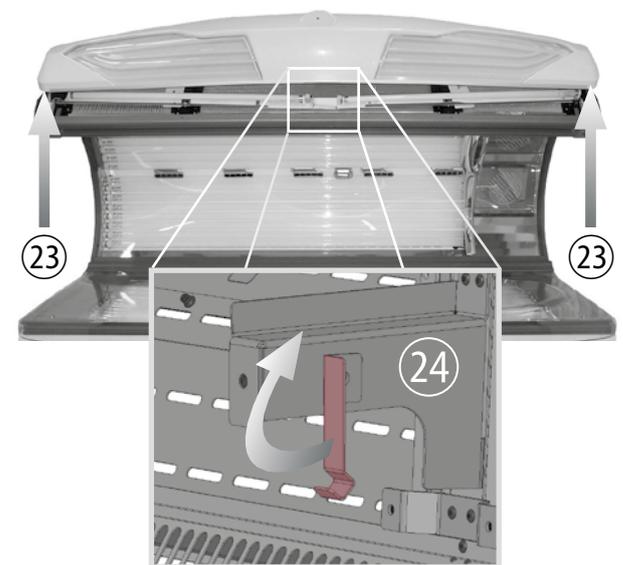
B FLUORESCENT TUBES IN THE CANOPY
(EYES LIGHTING)



Risk of destruction
On your device, the manufacturer's logo is screwed not glued. Before removing the ceiling panel first the logo must be removed.



Page 33	Tilt the canopy pane down.
18	Unscrew the first and sixth UV tube.
19	Remove one of the panels of the tube.
20	Replace the fluorescent tube.
21	Replace the starter.

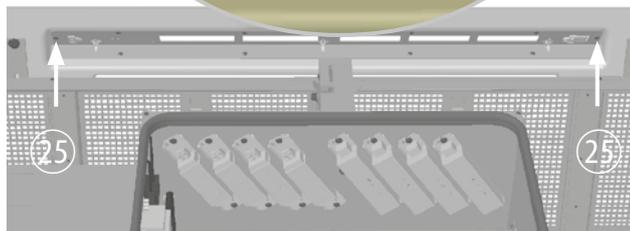
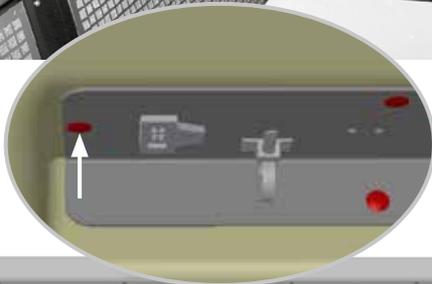


22	Unscrew the manufacturer's logo.
23	With the help of a second person, carefully lift the canopy cover at the front angles.
24	Secure the canopy cover with the integrated spacer.
⇒	Replace tubes and starters.

Ⓢ FLUORESCENT TUBE IN THE BED



25



25

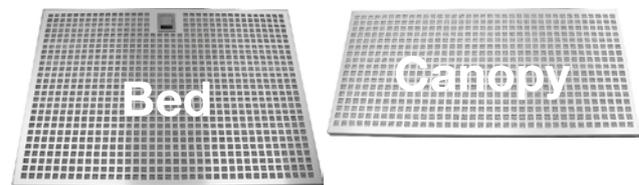
25

Page 32	Open the bed pane.
25	Remove two phillips screws on the outer tube mounting strip.
⇒	Pull tube mounting strip out of the front panel.
⇒	Replace tube and starter.

9.12 Filter cartridges



The cooling air for canopy and bed is filtered. Your tanning device is equipped with filter cartridges and continuous-service filter inserts. Therefore, purchase and replacement of conventional filter pads are not required. Clean the filter inserts after approx. 100 hours of operation, depending on the local circumstances. Vacuum the filter inserts or use a dishwasher.



There are four filter cartridges each in the canopy and in the bed part.

NOTE: Take the opportunity and check and clean the heat exchangers of the air-conditioning unit (See also the chapter “Maintenance/Ventilation and air-conditioning”). Soiled heat exchangers substantially reduce the performance of the air-conditioner.

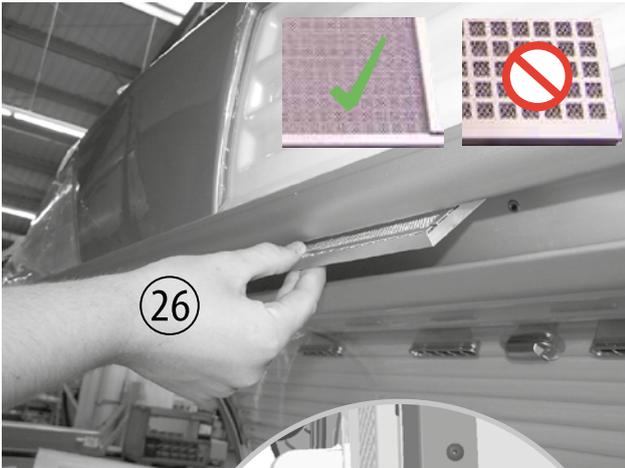
FILTER CARTRIDGES IN THE BED PART



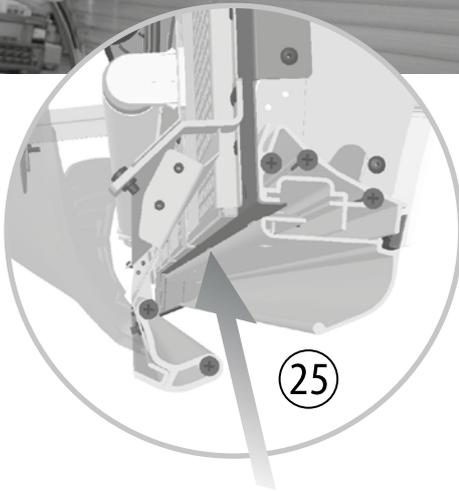
24

Page 32	Open the bed part.
24	Open the lock of the filter insert.
⇒	Remove the filter insert.

FILTER CARTRIDGES IN THE CANOPY PART



26



25

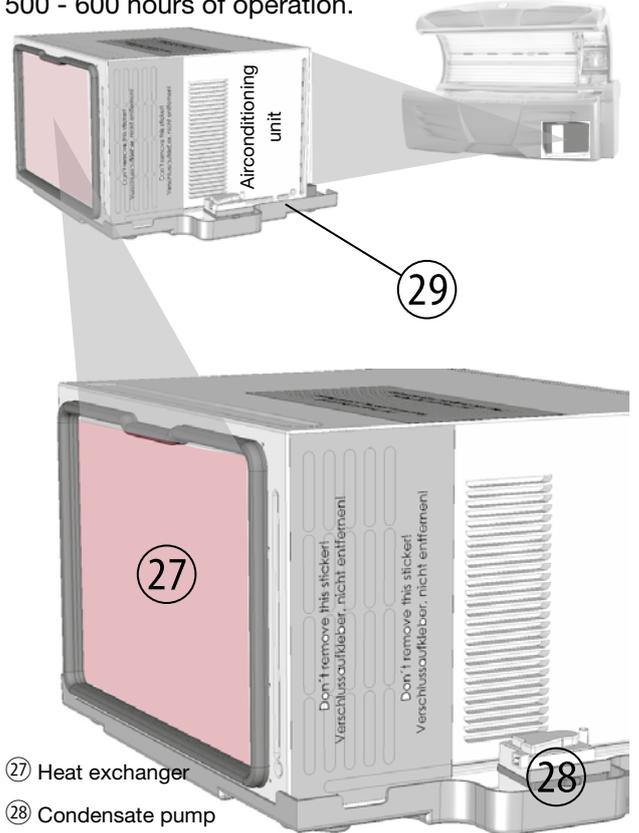
- 25 Reach into the gap between canopy pane profile and handle profile.
- 26 Remove the filter insert.

 When installing the insert, make sure that the honeycomb grill is directed towards the inside.

9.14 Ventilation and air-conditioning



In order to preserve the performance of the air-conditioning unit, clean the heat exchangers after 500 - 600 hours of operation.



- 27 Heat exchanger
- 28 Condensate pump
- 29 Condensate tray

- | | |
|---|---|
| Page 32 | Open the bed part. |
| 27 | Clean the heat exchanger. |
|  | Vacuum it carefully, paying attention not to damage the fins. |

SERVICING THE VENTILATION SYSTEM

⇒	Check all hose connections.
⇒	Remove any kinks in the air hoses. Replace defective hoses immediately.
	The exhaust air hose must not exceed a maximum length of 6 m if there is no auxiliary fan installed.

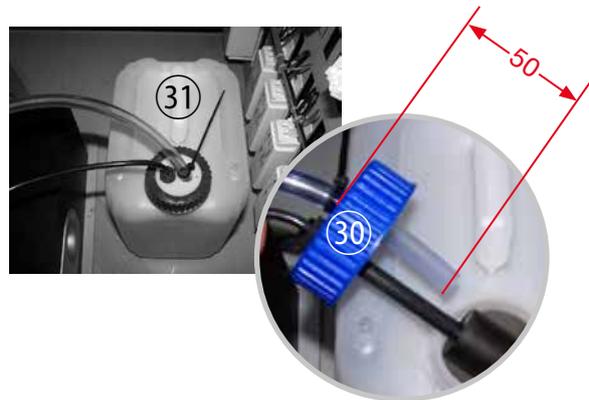
CHECKING THE CONDENSATE PUMP

The condensate pump ²⁸ pumps away the condensation water at timer-controlled intervals. Check the function of this pump with each tube replacement.

⇒	Fill some water into the condensate tray ²⁹ . Use a hose and a funnel to do so.
	Make sure that the water does not spill over.
⇒	Start a tanning session and then wait for 20 minutes.
⇒	The filling level of the tray must then be below the pump level.

EMPTYING THE CONDENSATE CANISTER

The condensate pump transports the condensation water into a canister via a hose. Once this condensate canister is full, a corresponding message is displayed. The air-conditioning symbol flashes (check), and the air-conditioning unit switches off shortly afterwards.



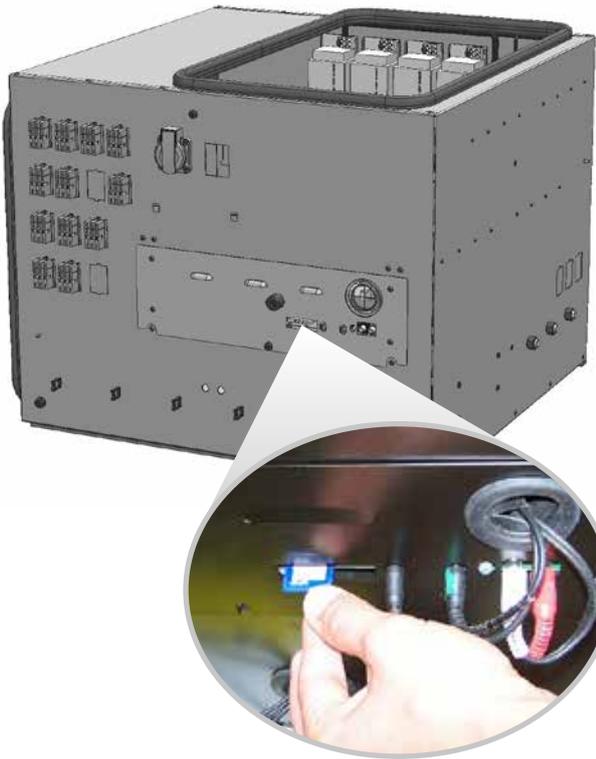
³⁰	Unscrew the closing lid of the condensate canister.
³¹	Empty the condensate canister.
	When closing, make sure that the condensate hose is inserted a max. of 50 mm into the canister.
⇒	Finally, acknowledge the aircon message on the interior control panel (START).

9.15 Recording to an SD card



REMOVING THE SD CARD

The SD card slot which contains the storage medium with the MP3 data from the internal MP3 player is located at the control box in the bed part of the tanning device.



Please refer to the chapter “Technical data” for information regarding supported card sizes as well as file-system and MP3 formats. The SD card must not be formatted, the Voice folder and its contents must not be changed or deleted. Outside of this folder you can add or delete audio files as you desire. These audio tracks are played if the corresponding source has been selected. The number of files is limited by the storage capacity of the SD card.

RECORDING TO THE SD CARD

	<p>Attention</p> <ul style="list-style-type: none"> Do not modify or delete the VOICE folder or the data it contains.
--	---

- ⇒ Insert the card into the computer and wait for it to be recognised.
- ⇒ Copy files to SD card, or delete files from it.

9.16 Replacing Aroma and aquaCool media



	<p>⚠ WARNING</p>
	<ul style="list-style-type: none"> Risk of infections Function of nozzles impaired. <p>Do not use any agents other than aqua-Cool and Aroma gel supplied by KBL.</p>

REPLACING THE AQUACOOOL CANISTER

	<p>Due to the system a residual amount remains in the canister.</p>
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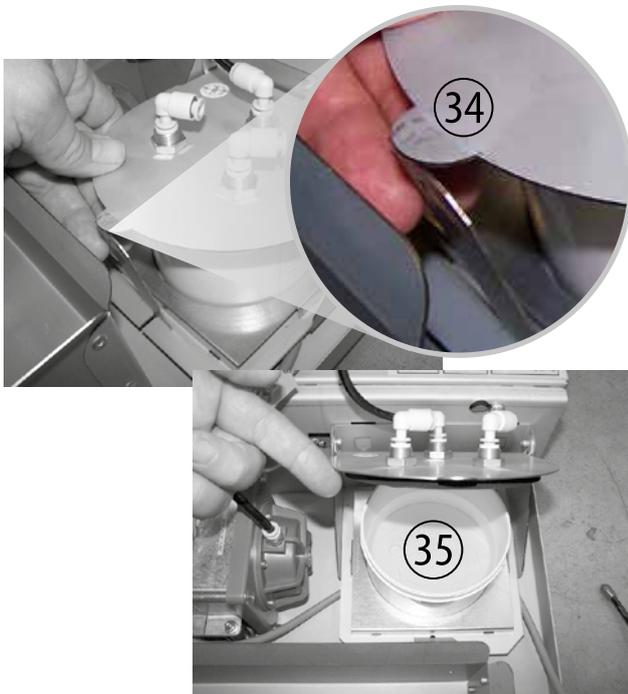
If the aquaCool canister is empty, corresponding messages are displayed, and aquaCool switches off shortly afterwards.



Page 32	Open the bed part.
③②	Unscrew the lid.
	Keep the hose end including the lid in a clean plastic bag while replacing the canister.
③③	Replace the canister.
⇒	Start aquaCool initialization (service menu).

REPLACING THE AROMA TIN

When the Aroma tin is empty, a corresponding message is displayed.



Page 32	Open the bed part.
③④	Unlock the retaining bracket.
③⑤	Replace the tin.
⇒	Reset the Aroma counter in the service menu to 0 (Reset). Then the message on the interior control panel will disappear.

9.18 Replacing the aquaCool nozzles

After 1,000 hours of operation, the aquaCool nozzles must be replaced in order to ensure that the aquaCool system functions properly. The assembly instructions are included with your spare parts delivery.

10. System messages

ERROR MESSAGES			
After the error has been eliminated, all error messages must be acknowledged by pressing START on the interior control panel.			
No.	Status message	Description	Remedy
01	Excess temperature bimetal canopy	Bimetal switch triggers.	Check the air-intake/air-discharge system. Let the tanning device cool down.
02	Maximum tanning time!	Enabling signal from coin-box system comes in longer than the time value approved under "Maximum tanning time" (voltage remains connected)	Disconnect from the coin-box system.
03	Excess temperature exhaust fan, please check	Bimetal switch in the fan triggers.	Make sure the fan runs freely. Check the air-intake/air-discharge system. Let the tanning device cool down.
04	Connection fan speed control faulty	Faulty communication between Mainboard and fan-speed control.	Check / replace the patch cable.
08	Canopy pane open, please close	Contact of the canopy pane has triggered.	Close the canopy pane and check the contact.
10	Bed / bed pane open, please close	Contact of the bed pane has triggered.	Close the bed / bed pane and check the contact.
12	KBL7 Hardware error Input-Controller	Mainboard defective.	Contact your Customer Service.
13	Maximum write cycle flash memory reached	Maximum write cycle flash memory reached.	Contact your Customer Service.
14	Error! SD card read error (CRC fault)	Update via SD card failed (CRC fault).	SD card check / replace.
15	Error! no access to the SD card	Update via SD card failed (access error).	SD card check / replace
17	Parameter storage not found, please connect and restart	Parameter storage not found, please connect and restart.	Check connector parameter storage. If necessary replace parameter storage.
18	Parameter storage no valid serial number	Parameter storage no valid serial number.	Contact your Customer Service.
19	CAN-BUS: Interior display V1 is incompatible	CAN-BUS operators incompatible.	Use CAN-BUS operators V2.
20	CAN-BUS: preSelection display V1 is incompatible		
21	CAN-BUS: audio module full V1 is incompatible		
22	CAN-BUS: RGB module V1 ist incompatible		
23	Parameter storage write error	Parameter storage write error.	Check connector parameter storage. If necessary replace parameter storage.
24	Parameter storage read error	Parameter storage read error.	Check connector parameter storage. If necessary replace parameter storage.
25	Frequency detection: detection failed!	Frequency detection failed.	Restart the controller. Contact your Customer Service after the third unsuccessful restart.
26	Frequency detection: power supply connection faulty (connector X6/E6)!	Frequency detection failed. No mains voltage.	Check mainboard connector X6/E6.

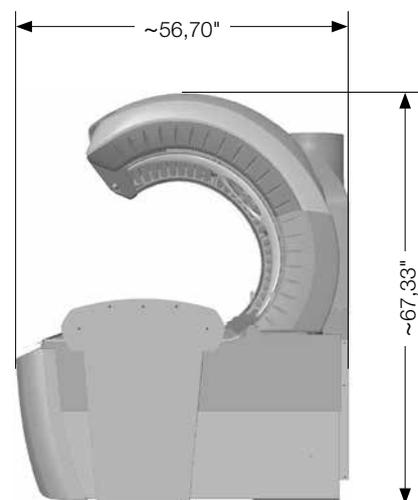
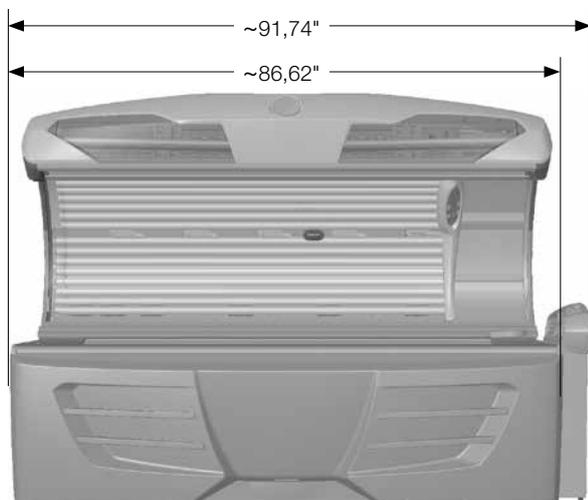
INFORMATION MESSAGES

No.	Info. message	Description	Remedy
203	Fill level aquaCool canister low	The content of the aquaCool canister is sufficient for another 2.5 hours of operation with a spraying time of 6 seconds each.	Replace the empty aquaCool canister with a full one. Do not replace aquaCool with any other liquid.
204	Connection aquaCool unit faulty	Communication between control and module / interior control panel has been interrupted.	Check / replace the patch cable. Acknowledge the message by pressing START. If the fault persists, contact your Customer Service.
205	Connection audio module faulty		
206	Connection inside display faulty		
207	aquaCool canister empty	aquaCool canister empty.	Replace the aquaCool canister with a full one. See chapter: Refilling Aroma and aquacool
208	Aroma supply low, please renew	System has run out of scent.	Replace the Aroma tin. See chapter: Refilling Aroma and aquacool
209	aircon:condensed-water canister full, please empty	Condensate canister of air-conditioning unit full.	Empty the condensate canister of the air-conditioning unit, acknowledge the message by pressing START.
210	Low battery charge, please renew	Button cell (CR-2032) of the control board discharged.	Replace the button cell (CR-2032).
211	Connection preselect display faulty	Communication between control and "preSelection" display has been interrupted.	Check / replace the patch cable. Acknowledge the message by pressing START. If the fault persists, contact your Customer Service.
212	Connection RGB-module faulty		
213	SD card missing	No SD card in the audio module.	Insert an original SD card. See chapter: Recording to an SD card/Removing the SD card
214	SD card unreadable	SD card defective, incompatible content.	Insert a new original SD card. Acknowledge the message by pressing START. See chapter: Recording to an SD card/Removing the SD card. If the fault persists, contact your Customer Service.
216	Voltage varies, please check	Power supply to the mainboard varies	Check power supply to the mainboard.
217	No voice files on the SD card, please check.	No voice files on the SD card found.	Rebuild voice folder on the SD card. If necessary replace original SD card.
230	Connection Bluetooth module faulty	Communication between control and bluetooth module has been interrupted.	Check / replace the patch cable. Acknowledge the message by pressing START. If the fault persists, contact your Customer Service.

11. Technical data

Ambient conditions	
Installation site	<ul style="list-style-type: none"> In dry rooms (booths) with sufficient airing and ventilation Maximum relative air humidity: ≤ 70 % Maximum room temperature: ≤ 86°F (30°C) Minimum height of the room: ~74,02 inches Only on a non-combustible basement Maximum operating altitude: ≤ 6500 ft
Weights and measures	
Dimensions in inches (Height x width x depth)	~53,94 x ~91,74 x ~62,21 (when closed) ~67,33 x ~91,74 x ~56,70 (when open)
Bed pane max. load capacity	330 lbs
Weight	~1190 lbs
Electrical connection values	
Protective class	IP20
Mains voltage	3-phase: 3 x 220 V / ~ / 60 Hz - 2-phase: 2 x 220 V / ~ / 60 Hz
Wire cross section	3-phase: 4 x AWG8 - 2-phase: 3 x AWG4 THHN cable in a isolation tubing (e.g. flexible metallic conduit, utilizing appropriate connectors)
Fuses	See unit data - For Canada all tanning devices with Class-A ground fault circuit interrupter GFCI
MP3-Player	<ul style="list-style-type: none"> Supports SD cards up to 1-2 GB (SD) / 4-16 GB (SDHC) Supported file system (SD card): FAT16, FAT32 Supported MP3 files: constant and variable bit rate, 96-320 Kbit/s
Central exhaust air discharge	
Fan	Exhaust-air socket Ø ~11,81" - Height to top ~61,54" (with and without hot air recirculation) - Minimum exhaust air flow rate: 2250 m³/h (594400 gal/hour)
Exhaust-air hose	Ø 300mm (~11,81")

11.1 Views



UNIT DATA - KBL 4800 alpha			
Electronic Power - P2 (KBL 4800 - 40p2/3a - 1616 ep u_us)		Item no	
Tubes	Canopy:	22x megaLine 1825 R 160W 2x megaLine 1857 R 80W	3230075125 3230074881
	Bed:	16x megaLine 1900 R 180W	3230075155
Facial tanner	3x megaLine HP 500		4230304000
Filter panes	3x EVO 19176		3020019176
Nominal power	With air conditioning: 10000W / Without air conditioning: 8600W		
Fuses	3-phase: 3 x 40 A / 2-phase: 2 x 63 A		

11.2 Labels attached to the tanning device (examples)

Label with half original size

The Beauty & Health Company

Distributed by
PC Tan, Inc.
1040 Wilt Avenue
Ridgefield, NJ 07657 USA

Serial number: KBL00612345
Manufactured: 09/2016
Type: KBL 4800 alpha
KBL 4800 - 40p2/3a - 1616 ep u_us

Mains Voltage: 3 x 220V / ~ / 60Hz
Rated capacity: 8600W / *10000W

Fluorescent-Tubes Top: 22 x megaLine 1825 R 160W (3230075125)
Fluorescent-Tubes Top: 2 x megaLine 1857 R 80W (3230074881)
Fluorescent-Tubes Bed: 16 x megaLine 1900 R 180W (3230075155)
H.P.-Tubes facial: 3 x megaLine HP500 (4230304000)
Filter Pane: 3 x evo 19176 (3020019176)

CAUTION: CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A GROUND. FAULT CIRCUIT INTERRUPTER. (CANADA ONLY)
ATTENTION: BRANCHER SEULEMENT À UNE DÉRIVATION PROTÉGÉE PAR UN DISJONCTEUR DIFFÉRENTIEL DE CLASSE A. (QUE POUR LE CANADA)

WARNING: GROUNDING CIRCUIT CONTINUITY IS VITAL FOR SAFE OPERATION OF EQUIPMENT. NEVER OPERATE EQUIPMENT WITH GROUNDING CONDUCTOR DISCONNECTED.
ATTENTION: POUR UN FONCTIONNEMENT SÛR, NE JAMAIS UTILISER CET APPAREIL QUAND LE CONDUCTEUR DE MISE À LA MASSE EST DÉCONNECTÉ.

Use in dry locations only **IP20**

No.: 0100005003

ATTENTION: Do not use the sunbed if the filter glasses are missing or damaged!
ATTENTION: Quand le filtres de protection manque ou sont abimé, n'utilisez pas l'appareil!
Part No. 3010370803



CAUTION!
DISCONNECT SUPPLY CORD BEFORE OPENING UNIT
ATTENTION!
DÉBRANCHER LE CORDON D'ALIMENTATION AVANT D'OUVRIR
Part No. 3010370802

This device is intended for the tanning of the human skin of an adult person who is in full command of his/her physical, sensorial and mental faculties. Lie down on the bench in a straight position and with physical contact to the bench.

CAUTION - EXPOSURE POSITIONS OTHER THAN SPECIFIED MAY RESULT IN OVEREXPOSURE AND ARE NOT RECOMMENDED.
Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type.

Wear protective eyewear.
Eyewear: Schmerler GmbH, No. 2255

DO NOT REMOVE THIS LABEL
Read the instruction booklet before using this device.

RECOMMENDED EXPOSURE SCHEDULE

Tanning can begin at a regular basis by gradually increasing the exposure times until maximum tanning has occurred (in approx. 4 weeks).
MAXIMUM EXPOSURE TIME: 12 minutes.

Skin type	Week 1 1st Session	Week 2 2nd Session	Week 3 3rd Session	Subsequent Weekly Session
II	2 min	4 min	5 min	8 min
III	2 min	5 min	6 min	10 min
IV	2 min	5 min	6 min	11 min
V	2 min	5 min	7 min	12 min

Do not tan more than once in a 48 hour period.

This device is in conformity with performance standards for sunlamp products under No. 21 CFR 1040.20. This device is intended to be used with the following lamps:
Canopy: megaLine 1825 R 160W megaLine 1857 R 80W
Bench: megaLine 1900 R 180W
Facial units: megaLine HP 500

For replacement lamps, eyewear or parts please contact:
PC Tan, Inc.
1040 Wilt Avenue
Ridgefield, NJ 07657, USA
Part No. 3010371560 B

WARNING - ULTRAVIOLET RADIATION - FOLLOW INSTRUCTIONS - FAILURE TO USE PROTECTIVE EYEWEAR MAY RESULT IN SEVERE BURNS OR OTHER EYE INJURY - IF DISCOMFORT DEVELOPS, DISCONTINUE USE AND CONSULT A PHYSICIAN.

ATTENTION - RAYONNEMENTS ULTRAVIOLETS - VEUILLEZ SUIVRE LES INTRUCTIONS - SANS DISPOSITIF DE PROTECTION DES YEUX, CE PRODUIT PEUT CAUSER DES BRÛLURES OU LÉSIONS OCULAIRES GRAVES - SI VOUS SENTEZ UN MALAISE, EN DISCONTINUER L'USAGE ET CONSULTER UN MEDECIN.

DANGER - Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reaction. Repeated exposure may cause premature aging of the skin and cancer.
Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunbed if you are using medications or have a history of skin problems or believe yourself especially sensitive to sun light. If you do not tan in the sun you are unlikely to tan from use of this product. Children, the elderly, or fair skinned people who always burn easily and either never tan or tan minimally should not use this equipment.

DANGER - Eviter surexposition. Comme avec la lumière naturelle du soleil, la surexposition peut causer lésions aux yeux et à la peau et réactions allergiques. Une exposition répétée peut causer un vieillissement prématuré de la peau et cancer. Médicaments et cosmétiques peuvent augmenter votre sensibilité aux rayons ultraviolets. Consulter un médecin avant d'utiliser la lampe à ultraviolets si vous utilisez médicaments, si vous avez problèmes de peau ou si vous croyez vous êtes particulièrement sensibles aux rayons du soleil. Si vous ne bronzes pas avec le soleil c'est improbable que vous pouvez vous bronzer en utilisant ce produit. Enfants, personnes âgées, ou personnes à peaux très claires, qui deplus sont très sensibles à un coup de soleil et ne brunissent pas ou très peu ne doivent pas utiliser cet appareil de bronzage.

Part No. 3010370800



ATTENTION: THIS SUNLAMP PRODUCT SHOULD NOT BE USED ON PERSONS UNDER THE AGE OF 18 YEARS

Part No. 3010371614

12. KBL PRODUCT WARRANTY



1. **WARRANTY** - PC Marketing, Inc. d/b/a PC Tan (the "Company") warrants that electrical components are free from defects in its materials and workmanship, under normal use, for one year ("Warranty Period") beginning from the purchase invoice date of the KBL indoor tanning device ("Product") is purchased from the Company or an authorized Distributor of the Company or from an authorized Dealer or Representative of such Distributor or Dealer (collectively the "Distributor"), if you, the original purchaser ("Purchaser"), retain ownership during the Warranty Period. This Warranty is nontransferable. THE WARRANTY CONTAINED IN THIS SECTION 1 IS SUBJECT TO VOIDANCE IN ACCORDANCE WITH SECTION 3.
2. **WARRANTY FOR ITEMS NOT COVERED BY THE ONE YEAR WARRANTY SET FORTH IN SECTION 1; ACRYLIC SURFACES are prorated for (1) year from the invoice date of the purchase of the Product. Lamps, lamp starters, filter glass plates; metal structure, plastic covers and air filters** are not covered under this warranty. THE WARRANTY CONTAINED IN THIS SECTION 2 IS SUBJECT TO VOIDANCE IN ACCORDANCE WITH SECTION 3.
3. **VOIDANCE OF THE WARRANTY.** THE WARRANTIES SET FORTH IN SECTIONS 1 AND 2 HEREIN ABOVE ARE VOID IF YOU: TRANSFER THE PRODUCT TO A THIRD PARTY, MODIFY THE PRODUCT, MISUSE THE PRODUCT, SUBJECT THE PRODUCT TO ABNORMAL CONDITIONS OF OPERATION, ATTEMPT UNAUTHORIZED REPAIRS TO THE PRODUCT, DO NOT USE ORIGINAL EQUIPMENT MANUFACTURER (OEM) REPLACEMENT PARTS, DO NOT FOLLOW THE CARE AND USE INSTRUCTION MANUAL CONCERNING SPACE, ELECTRICAL AND ENVIRONMENTAL REQUIREMENTS, SUBJECT THE PRODUCT TO ACCIDENT, MISUSE OR MISAPPLICATION; OR SERVICE THE PRODUCT BY ANYONE OTHER THAN THE COMPANY OR AN AUTHORIZED SERVICE REPRESENTATIVE OF THE COMPANY OR DISTRIBUTOR
4. **WARRANTY RETURNS.** All warranty claims can be handled through the Company or Distributor. If you do not know the phone number of the Distributor, you can contact the Company at 1-800-FAST-TAN, Monday through Friday from 9:00 AM to 5:00 PM EST. Warranty covered items are to be returned on a part for part replacement. All freight charges are the sole responsibility of the Purchaser.
5. **DISTRIBUTOR WARRANTIES.** To the extent representations, warranties or commitments are extended to the Purchaser by a Distributor, such representations, warranties and commitments will be those of the Distributor alone, and will not be attributed to the Company and the Company shall not be responsible for same.
6. **DISCLAIMER OF WARRANTIES.** EXCEPT AS EXPRESSLY STATED IN SECTION 1 AND 2 HEREIN ABOVE, THERE ARE NO OTHER WARRANTIES BY THE COMPANY OR DISTRIBUTOR, EXPRESSED OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE. THE COMPANY AND DISTRIBUTOR DISCLAIM ALL IMPLIED AND EXPRESSED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
7. **LIMITATION OF LIABILITY.** THE COMPANY OR DISTRIBUTOR SHALL NOT BE LIABLE, WHETHER IN CONTRACT OR TORT, FOR ANY LOSS OR DAMAGE, INCLUDING BUT NOT LIMITED TO SPECIAL, INDIRECT, CONSEQUENTIAL, PROPERTY, ECONOMIC OR PERSONAL DAMAGES OF THE END USER, OR THIRD PARTIES, EVEN IF ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES, ABOVE OR BEYOND THE REPAIR, REPLACEMENT OR REFUND OF ANY DEFECTIVE PRODUCT, WHICH SHALL BE THE PURCHASER'S SOLE REMEDY. THE PURCHASE PRICE OF THE PRODUCT IS A CONSIDERATION IN LIMITING THE COMPANY'S AND DISTRIBUTOR'S LIABILITY.
8. **LOCAL LAWS.** Laws pertaining to the rights and limitations of the Warranty vary from state to state. The limitations set forth herein may not be applicable to the Purchaser, or Purchaser may have other legal rights not referenced herein.
9. **MISCELLANEOUS**
 - 9.1 **GOVERNING LAW.** This Warranty shall be governed by, interpreted by and enforced in accordance with the substantive and procedural laws of the State of New Jersey, and the United States of America, conflict of laws notwithstanding. This Warranty and any such claims, disputes or actions is domiciled. The Company, Distributor and Purchaser hereby agree to submit to the subject matter and personal jurisdiction and venue of said courts to resolve any disputes. If any term or provision of this Warranty is adjudicated to be invalid by any Court have jurisdiction, such provision shall be inoperable and deemed omitted and shall not invalidate the remaining provisions hereof.
 - 9.2 **ENTIRE AGREEMENT.** This Warranty constitutes the entire agreement of the Purchaser, the Distributor and the Company as to the subject matter and there are no other understandings, agreements or terms, whether oral or written, between the Company and the Purchaser.
 - 9.3 **READ AND UNDERSTAND THIS WARRANTY.** Before signing and returning this warranty, the Purchaser acknowledges that Purchaser has read and understands the terms herein, or has had the opportunity to have them read and explained to the Purchaser by an authorized representative.
10. **VALIDATION.** To validate that you are the original purchaser of the Product from the Company or a Distributor and to ensure that you receive the above-recited benefits under the Warranty, please provide the information on the warranty card, sign the card and mail it within (30) days of purchase to:
 Warranty Department
 PC Tan
 1040 Wilt Avenue
 Ridgefield, NJ 07657
11. **SPARE AND REPLACEMENT PARTS.** Original Equipment Manufacturer's (OEM) lamps and replacement parts are available by direct order. To order, call 1-800-FAST-TAN. Please have Credit Card information available when calling or write to:
 PC Tan
 1040 Wilt Avenue
 Ridgefield, NJ 07657

13. WARRANTY CARD



warranty card	Company Name/Contact:	
Delivery Address	Street: _____ City, State: _____ Zip Code: _____ Phone: _____	
Model	<input type="radio"/> Electronic Power	
Serial #		
Design	Chassis color:	
aquaCool	<input type="radio"/> Yes	<input type="radio"/> No
Aroma	<input type="radio"/> Yes	<input type="radio"/> No
airCon Preparation	<input type="radio"/> Yes	<input type="radio"/> No
Exhaust air system	<input type="radio"/> Without <input type="radio"/> Exhaust air duct <input type="radio"/> Exhaust air hose (300mm, white, length 3m, 2 hose clamps)	
	<input type="radio"/> Single Phase <input type="radio"/> Three Phase	
Date of Install		
Installer Name and Address		
Voltages	L1/L2 _____ L2/L3 _____ L3/L1 _____	
Remarks		

Office Use Only: Date Received: _____ Received by: _____





The Beauty & Health Company



Ringstraße 24-26
56307 Dernbach / Germany
fon: +49 (0) 26 89.94 26-0
fax: +49 (0) 26 89.94 26-66