

ASSEMBLY AND OPERATING INSTRUCTION FOR
SOLARIUM
SELECT USA

34-3



WARNING:

● Read the instructions booklet before using this product. ● When using a folding combination machine with bench and canopy, lie down on the bench and pull the canopy down until it will move no further. When using a canopy only, lie down and pull the canopy down as far as the stand will allow. ● Operation of this device closer to the body than the recommended minimum distance for use may result in overexposure. ● Recommended eyewear: Provided eyeshields (Schmerler model 2255) or equivalent eyewear as defined under 21 CFR 1040.20 2(b) (6).

Only one person can be tanned in the solarium at the same time. One pair of protective eyewear is furnished with this equipment and should be worn by all persons in the room when lamps are on. Disconnect power cord before attempting to clean, replace lamps or engage in the maintenance of this product. On repairs and replacement, use only products, which are compatible for use in this equipment, including eyewear, UV lamps, timers, reflectors and filters. THE FOLLOWING LAMPS HAVE BEEN CERTIFIED FOR USE IN THIS EQUIPMENT: **Blue Dream VSO 100 W, VIVA Fun Power 100 W, DR. KERN 400 W HP-Lamp** or compatible types.

THIS PRODUCT CONFORMS WITH PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR PART 1040.20

DANGER

Ultraviolet radiation. Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. **WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.**

Medication or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product. Minimum use distance is 1 inch or 2.54 centimeter. Tanning may appear after one application provided that your skin is capable of developing a suntan. Allow 48 hours between sessions to obtain a base tan, once or twice per week to maintain appearance.

Important Notices

- This solarium is designed to permanently connected to a single phase 220 V 60 Hz power source.
- This solarium may only be used in a dry area, free of liquid spray or high humidity (below 70 %). The ambient temperature should not exceed 28 degrees Celsius (85 Degrees Fahrenheit), otherwise the surface temperature of the bench may become warm.
- To prevent overheating of the solarium, air intake vents and fan output areas must not be blocked.
- In the event of a ventilation fan failure, the solarium will operate warmer than normal, and should be shut down immediately to repair or replace the fan.
- Insure that the solarium is disconnected from the main power source when replacing lamps, starters, or acrylics, as well as during maintenance or cleaning.
- Electrical repair may only be conducted by an authorized technician.
- The floor surface upon which the solarium is to be placed must have a support rating of at least 150 Lb. per square foot. If the surface rating cannot be officially confirmed, Dr. Kern USA must be contacted for further instructions prior to installation.

Important Things to know before Tanning

The irradiance output of this solarium has been calibrated for optimum effectiveness. Only the highest quality reflector lamps and acrylic sheets are employed to provide the best possible tanning performance at maximum UV-transmission levels. The "Te / Tm" (Time to Erythema relative to Time to Melanogenesis) has been precisely formulated and expressed in the recommended maximum exposure schedule (MED), which should never be exceeded.

In both commercial and residential application, the user should consult his or her physician about indoor sun tanning and its effects on their condition before using this solarium. Persons taking prescription medications must always take care that such substances do not increase the level of sensitivity to UV light, and may not tan if any warnings are issued by their respective manufacturers or the prescribing physician.

Instructions on Tanning

Those persons who (1) do not tan in the natural sun or have type I skin (see warning label on unit), (2) are under 16 years of age - without written parental consent, and (3) are currently taking photo-sensitive medications or are afflicted with skin disorders or skin cancer, may not tan in this solarium.

The preset distance between the canopy and bench may not be altered for any reason.

Please read and observe the information outlined in the warning / danger labels and recommended exposure schedule.

Do not use this machine if any of the face tanning filter glasses is cracked or broken.

Overexposure of ultraviolet-radiation from the sun and this machine can cause sunburn, as well as damage to unprotected eyes.

Unusually frequent exposure to ultraviolet-irradiation from sunlight or this machine can cause premature aging of the skin and skin disorders.

High levels of UV-radiation can cause infections and damage the retina of the unprotected eye. Cataracts can also be caused by repeatedly exposing the unprotected eye to UV-radiation.

Special care should be taken to insure that medications taken or cosmetics worn during tanning are not UV-sensitive.

As such the following precautions must be taken:

- Always use the included protective goggles;
- Remove all facial cosmetics and paba-based SPF before tanning in this machine;
- Do not tan in this machine if you are taking medications that may cause your system to become UV-sensitive. Ask your physician in advance of tanning;
- Always wait at least 48 hours between tanning session. Never more than once per day;
- Always observe the warning / danger labels as well as the exposure schedule;
- Always consult you physician should skin swelling, lesions, or "liver spots" appear on the skin.

Exposure schedule

The recommended exposure schedule has been indelibly adhered to the front of the canopy, and should be followed explicitly.

The MED (Maximum Erythermal Dosage) or maximum tanning time may not be exceed.

Exposure distance

The distance between the canopy and the bench may not be altered for any reason.

For Commercial Operators:

1. No one under the age of 16 should be allowed to tan without the express, written consent of a parent or guardian.
2. The distance between the lamps and an individual tanning in this solarium has been preset, and may under no conditions be altered or lessened.
3. UV radiation can cause damage to the skin and eyes. Insure that you and your staff have been properly trained by a state or provincially - authorized educational organization to give adequate usage instructions to tanning customers.
4. Obey the contents of the danger and warning labels affixed to the solarium, and do not attempt to override the MED (maximum exposure dosage) session times.
5. Insure that all users of this solarium are given eye protection, of the type approved by your respective state's or province's health and / or radiological control agency, and insist that they be at all times when the unit's lamps are lighted.
6. Instruct all users to remove any make-up or facial cosmetics before using the solarium.
7. Be sure to not allow any individual to tan more than once during the course of a 24 hour period.
8. Do not allow any individual to tan should they appear physically sick, disoriented, under the in-

RECOMMENDED EXPOSURE SCHEDULE		MAXIMUM EXPOSURE TIMES (IN MINUTES)			
CLASS:	SKIN TYPES:	week 1	week 2	week 3	MAX
I	SENSITIVE SKIN (Burns easily and severely, and does not tan.)	TANNING NOT ADVISED			
II	LIGHT SKIN (Burns easily and severely, and tans minimally.)	4	8	11	15
III	NORMAL SKIN (Burns moderately, and tans moderately.)	6	10	14	18
IV	DARK SKIN (Burns minimally, and tans well or above average.)	8	12	16	20

influence of alcohol, or display signs of swollen or infected skin. Insist that any such person goes immediately to their physician if they complain of injuries or burned skin before or after tanning.

9. Recommend to your customers that they apply a moisturizing lotion after tanning.
10. Make sure that there is enough room to move the parts of the machine into the cabin, and that there is sufficient space in the cabin itself for proper installation.

After tanning

It is advisable to apply a moisturizing lotion on the skin after tanning.

Electrical requirements

The electrical requirements for all 220 Volt combinations are:

- 220 Volt dedicated circuit
- AWG 12 SJT Power Cord
- 3 x 16 Amp rated breaker

Operating any 220 volt combination at voltage levels below 220 or above 240 constitutes an automatic nullification of the warranty, as it could cause damage to the unit's system.

Please insure that your electrician and / or installer reads this information prior to delivery and setup. Using a digital volt meter, he or she must first determine the exact line voltage being delivered to the receptacle. If the line voltage is not within the specified range, employment of a buck-boost transformer will be requested to regulate it. Please contact your authorized DR. KERN dealer for pricing and availability on buck-boost transformers.

Assembly of the tanning bed

Assembly of the bench

The system is delivered in 2 packages on 1 pallet. Please open the packaging box of the bench at the marked side "here above".

At first take from the bench package the following parts:

- foot element (2 pieces)



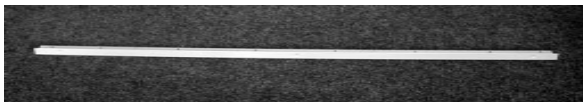
- behind pedestral facing (in the box under the bench)



- Fixing angle for foot cover outside



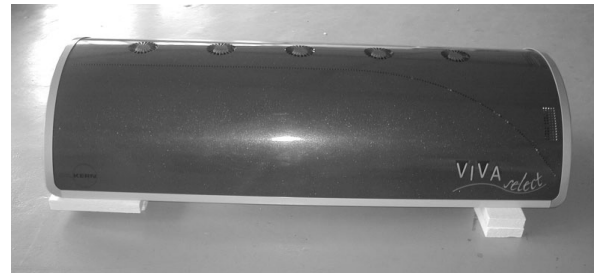
- fixing metal for acrylic sheet



- foot cover outside

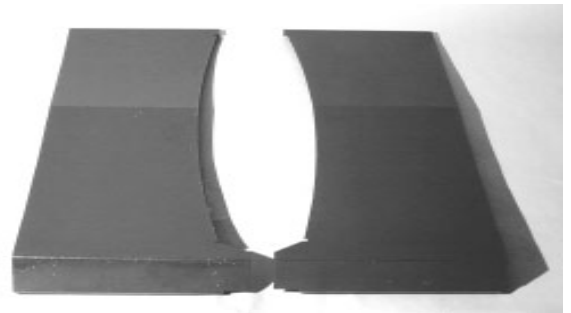


Now open the package box of the canopy at the marked side "here above". At first lift the canopy and put it on upholstery at the floor.



Take now the following parts out of the canopy packaging, which are required for the bench assembly:

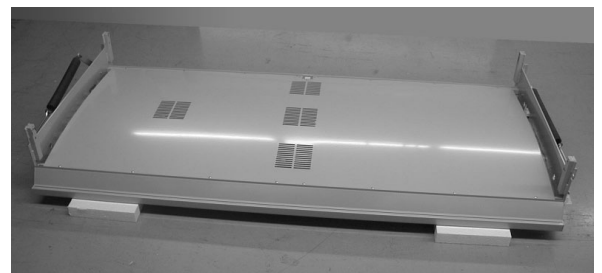
- foot cover inside



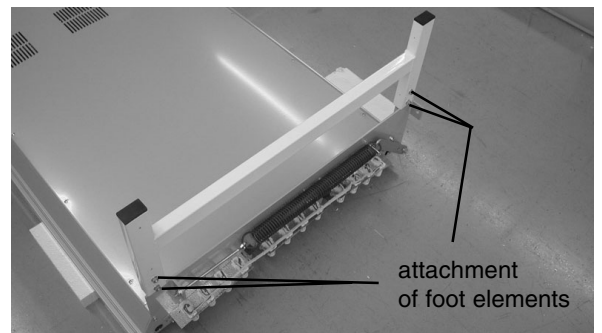
- sight cover at the front



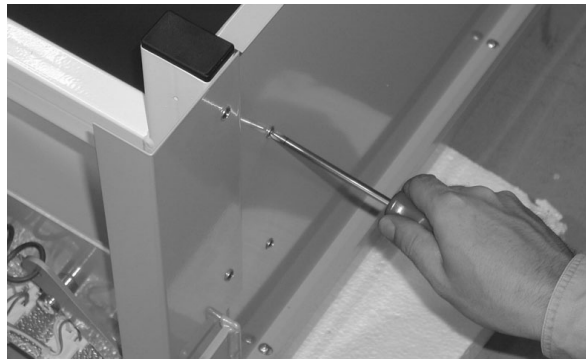
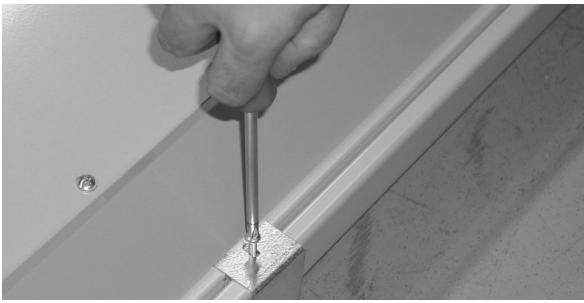
Now lift the bench out of the box and put it, with the acrylic sheet at the below side, on the prepared upholstery on the floor.



Afterwards the foot elements will be fixed at the right and left outside with the attached screws, washer and nut M8 (4 pieces per side).



Now remove carefully the 4 retaining clips which hold the acrylic sheet. For that the screws of the retaining clips will be pull out of the longitudinal girders.



The fixing angles for the foot cover have to be screwed together with the foot elements at the back, right and left side of the bench. In this connection the bended side with the borr tape has to lie away from the assembly.

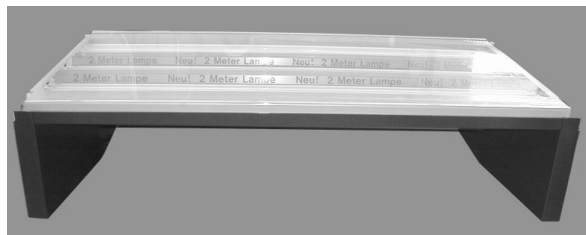
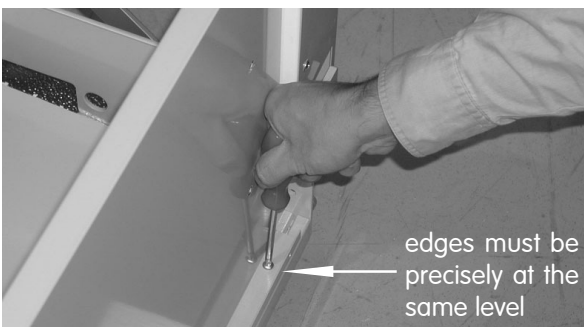


At the least the element of the sight cover will be screwed at the front between the both foot covers inside at the front longitudinal girders.



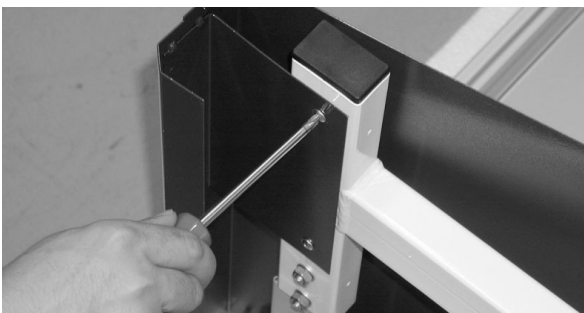
Between the foot elements the back socket cover will be screwed. Please pay attention that the rounded edger at the cover is at the same level with the longitudinal girders at the bench.

Now turn the bench in the normal using position.



Now the inside foot cover right and left will be mounted at the foot elements. The fixing will be made in each case at the front cover of the foot elements as well as at the overleaf to the back socket cover.

Take the acrylic sheet from the upholstery and put it on the bench.



Now the fixing metal for the acrylic sheet will be put at the back side of the bench on the acrylic sheet and will be screwed with the back socket covers.

To guarantee that you can pull the acrylic sheet out of the cam in the fixing metal, lie below each cam a moutage angle with PE-protection foam cut as vertical setting.



The 4 enclosed angles for fixing the stand covers now have to be screwed on both outsides of the side covers of the bench. In this case the nut has to be placed always on the upper position of the angles.

Fastening angle aft:



Fastening angle fore:

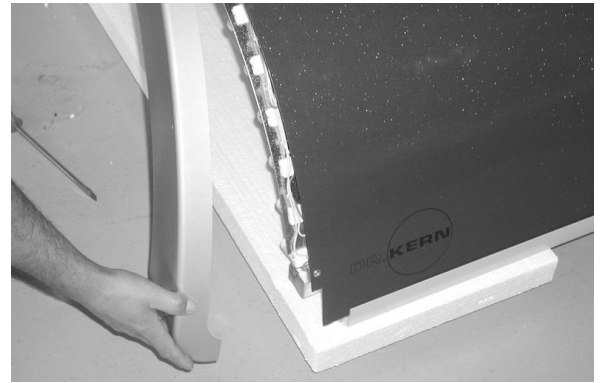


Canopy assembly

Remove now the 4 fixing screws of the right or left side cover at the canopy.



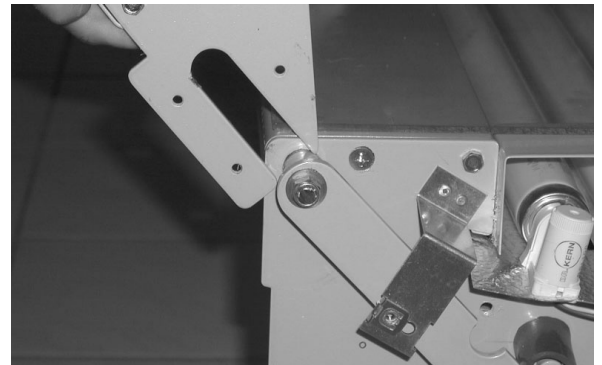
Remove the side covers.



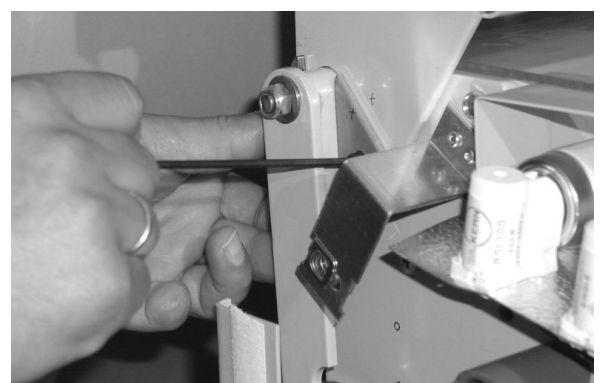
Turn now the attached assembly help in the planned thread at the behind place in the head brace at the left and right canopy side.



With these transport movements you can now hang in the canopy at the back fixtures of the bench. At the same time you have to lift a little bit the canopy at the front.



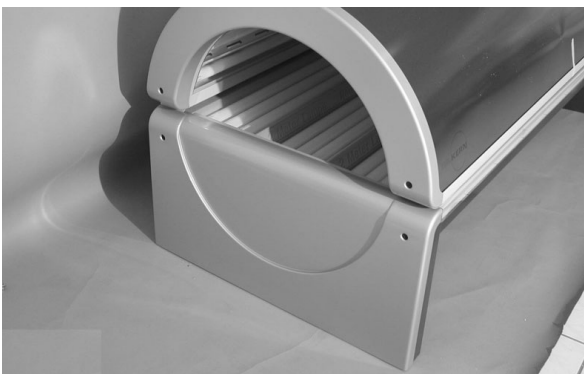
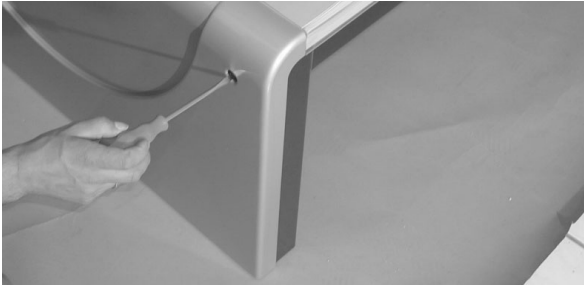
When the canopy is hang in, the safety strap has to be mounted at the left and right canopy suspension. Set the respective safety strap from the below side in the suspension and screw it on 3 positions per side at the canopy.



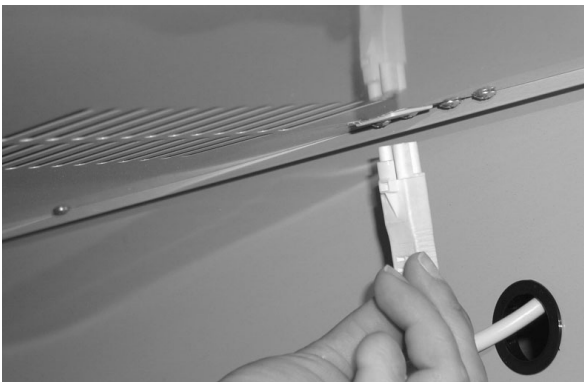
Now mount the side covers of the canopy with the necessary special screws on the right and left assembly outside.

After spring setting has been made at the bench (see chapter "Spring setting") the side covers of the bench can also be mounted.

Remove first the safety foil on the borrr tape at the bench.



Before starting put the connection cable from the canopy to the bench in the jack at the back of the bench.



Finally the assembly with the connecting lead will be connected with the power supply network. Please make sure that the mains connection will be made in dependance on the range of equipment as firm connection or about earthing contact plug. The mains connections may only be made by an local authorized electrician.

Spring setting

Your tanning bed is fit out with a spring balance system. This spring system is at the right and left side at the foot parts of the bench.

When „stretching” or „slacken” of the springs, the easy going the swinging movement of the canopy will be stopped.

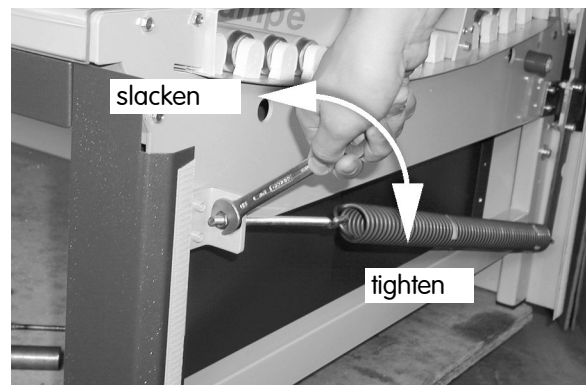
The setting of the spring-system can be made completely after moutnage of the complete equipment, as this is in dependence on execution of the equipment (equipment of canopy).

As these springs have been stretched in the factory before, swing the canopy first on the top and again down.

If the canopy is fallen down without help and does not stay in an opening position, the springs have to be tightened stronger.

If the canopy does not stay in the closed position, the springs have to be slackened.

Please move the springs like shown in the following picture.



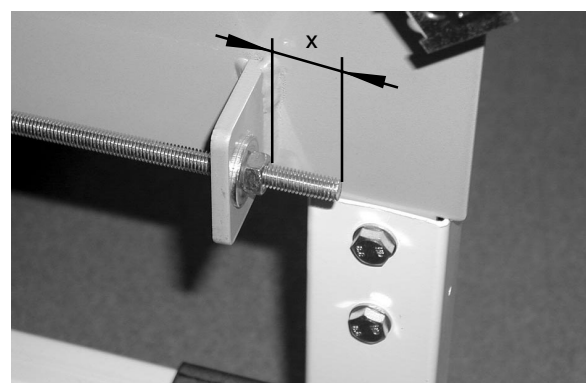
Turning right means to tighten the spring stronger, turning left means slacken the spring.

If you can open and close the canopy easily and if it stays as well in open as in closed position, the setting is correct.

Guide number table for setting of spring:

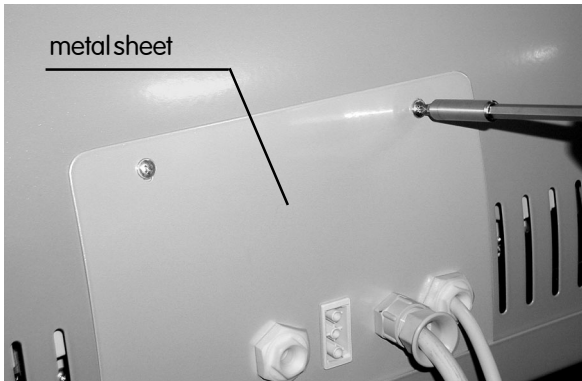
Type	Setting *) head side	Setting *) feet side
34-3	approx. 50 mm	approx. 40 mm

*) Measure x (see following picture)



Operating hour counter installation

All tanning beds of series VIVA Select could also be operated about an external time control.
In order to connect the cable to the coin box, remove both screws of the retaining metal sheet for the cable screwing on the canopy rear side.



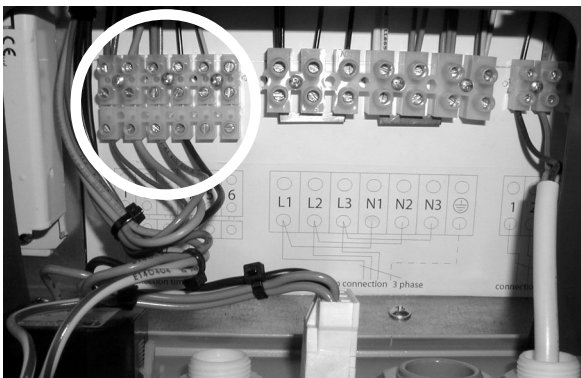
Take the metal sheet out of the slot below and let it lean upon the longitudinal stringer.



Now you can connect the operating hour counter regarding the shown circuit diagram (see next page) to the marked terminal.

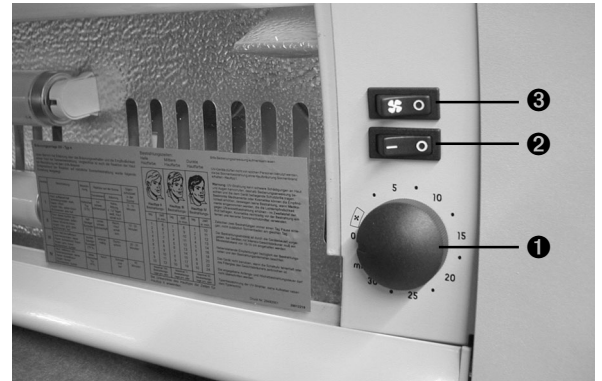
Use only a power cord of type SJT or equivalent with a maximum length of 25 ft.

Please pay attention that this work may only do an authorized electrician. With connections of an operating hour counter out of Dr. Kern programme the connection could be deviated.



Operation

Pre-select your time for the tanning session by means of the timer knob ①. After the time has run down, the tubes and facial lamps switch off automatically.



Facial lamps

After pre-selection of the tanning time, the facial lamps can be switched on or off by rocker switch ②.

On = 1
Off = 0

Body cooling fan (optional)

The body cooling fan is an additional equipment and can be switched on or off by rocker switch ③.

On = fan symbol
Off = 0

Maintenance

Disconnect power before all maintenance and cleaning.

Removal of the acrylic plates

Lift the acrylic plates at the front edge and grasp the angled edge of the plate. Now pull it forward out of the (holding) cam of the rear fastening plate.



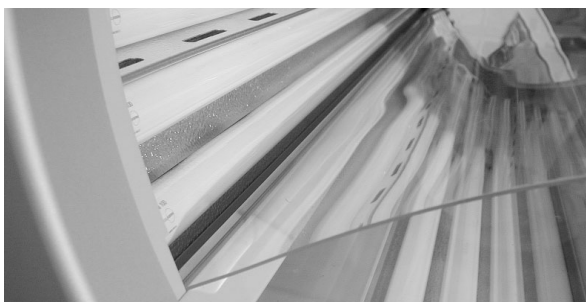
When inserting, the acrylic plate is slid first into the fastening plate at the rear longitudinal support of the bench. Please note that the acrylic plate locks with its openings at the rear longitudinal edges into the holding cams of the fastening plate.

Removal of the acrylic plate in the canopy

The acrylic plate is situated under slight tension in the grooves of the longitudinal support. By easy pressure on the edge profile of the plate at the center, the plate releases at the front longitudinal carrier and then can be removed. A screwdriver can be used for this step.



First the plate is inserted into the rear groove of the longitudinal carrier, then pressed upward, until the edge profile locks into the front groove of the carrier.



Note: The acrylic plates should be cleaned regularly. Only use **solvent-free, non-corrosive cleaners**. We recommend our disinfecting cleaner: Ecoclean.

Lamp and Starter Change

The UV lamps of your tanning equipment have to be replaced depending on the total operating hours. With domestic use, this is usually required after approx. 500 to 800 operating hours. Should the intensity of the radiation decrease, it can be restored again by replacement of the UVA Low-pressure lamps.



Attention: Only use UV bulbs approved by Dr. Kern.

If a lamp or starter replacement is required, the acrylic plate in the canopy or in the bench has to be removed.

Removal and installation of the lamps (tubes) and starters

With a possible defect of the lamps, try at first an easy turning back and forth of the tube in order to correct a possible defective contact. If this does not work, a lamp or a starter is defective which can easily be determined by yourself or by an electrician.

Turn the respective tube by 90° in order to remove it from its socket.

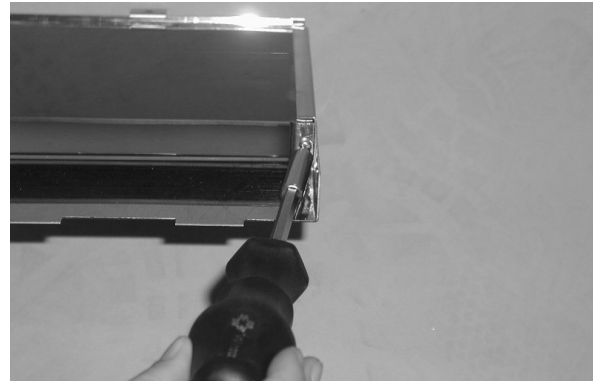


When you install the new tube, insert the lower pins into the socket first, then insert the upper pins into the socket and turn 90°.

If supposed defective tubes function in other places, the starter could be defective. This can be checked by an exchange of starters. Remove starter by easy left-hand rotation. Re-install by right-hand rotation.

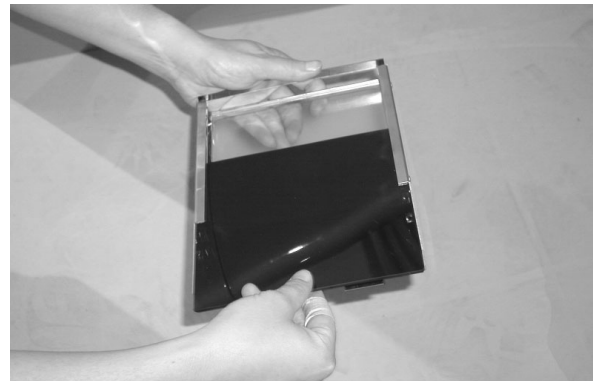


For easier replacement of the starter remove the side screen.



Replacement of the metal halogen lamps in the intensive face tanner

For the replacement of the metal halogen lamps in the face tanners, at first, the acrylic plate in the canopy has to be removed, as already described.



Now the fastening screw for the filter box on the front side of the face tanner has to be removed.



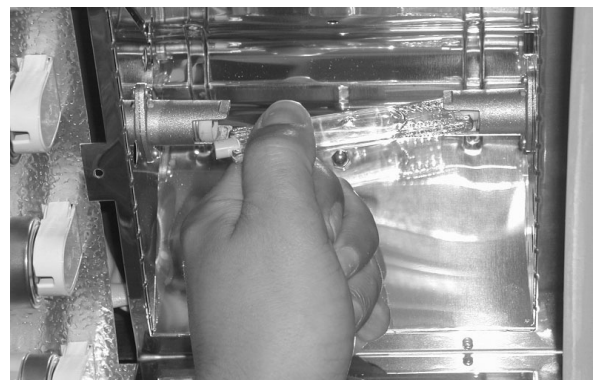
Please note that the filter inserts must always be installed at the correct position to the metal halogen lamp. The blue filter disk must face the side where the metal halogen lamp is located.

Attention: The use of defective or non-original filter disks can cause skin burns.

Now the filter box is folded out and removed slanted to the center of the equipment.

When replacing lamps, please note that the tubes are of the two-socket design.

When changing the lamp, it is grasped at the flattened end, moved somewhat lengthwise and removed from the socket. Re-insertion takes place in reverse order.



For cleaning and replacement of the filter inserts remove the locking plates at the support tracks. Now you can remove the filter inserts without problems.

Attention: When replacing the metal halogen lamps, the glass bulb may not be touched. If however this should occur, the bulb must be cleaned with pure alcohol or spirit.

Cleaning of the tanning equipment

Disconnect the equipment from power source.
Use a damp cloth for cleaning.

Cleaning of the acrylic plates

Only use cleaning agents without alcohol or other corroding substances. Such agents would damage the acrylic plates and render the warranty invalid.

We recommend our disinfecting cleaning agent: Ecoclean.

Venting system

Your tanning equipment contains a high-tech venting system. Cold air is drawn into the air openings of the rear wall of the bench.

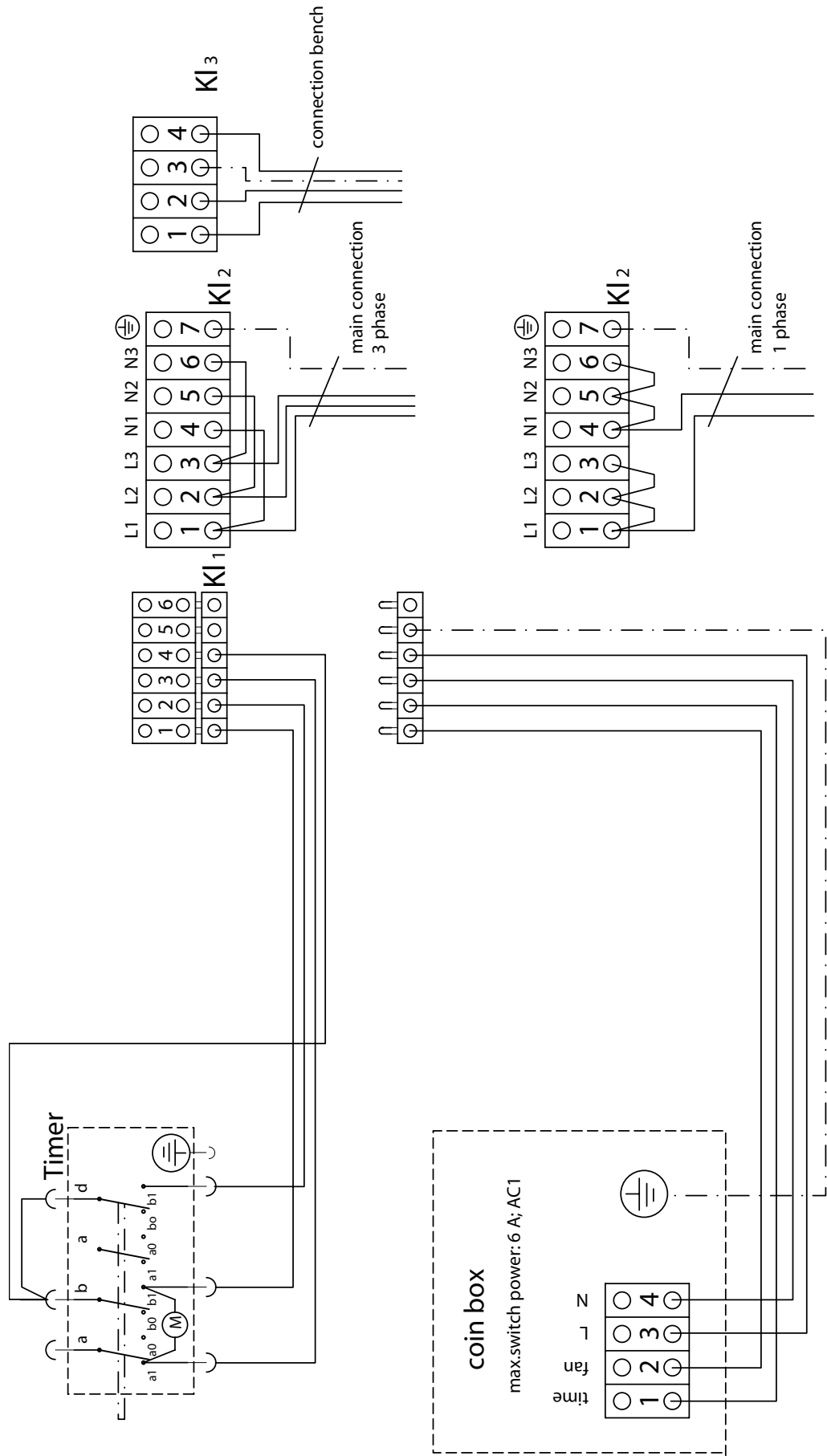
The venting is strongest in the area of the acrylic plates of the tanning surface. With strong circulation, dust is drawn into the solarium and deposited on the inside components. Dust accumulation hinders the efficiency of the venting operation. For this reason the solarium must be cleaned regularly.

Please note that cold air reduces the unit temperature better than warm air. Make sure that the room, where the equipment is used, is supplied with sufficient cold air.

Technical Data

Appliance Type	34-3
Length [cm]	214
Width [cm] (closed/opened)	(96 / 112)
Height [cm] (closed/opened)	(99,6 / 131)
Lamps (tubes)	
Canopy	22 x 100 W
Face Tanner	3 x 400 W
Bench	12 x 100 W
Power rating	5200 W
Fuses	3 x 16 A
Connection cable	3 x AWG 10 4 x AWG 14

Wiring diagram



Notes

Notes

DR. KERN WARRANTY AND RETURN POLICY

Dr Kern EOS-USA, Inc. (hereafter "Dr. Kern") warrants in accordance with the provisions appearing below, to each purchaser of a new Dr. Kern Solarium professional tanning bed ("Equipment") from an authorized Dr. Kern distributor.

1. There shall be no warranties, express or implied, made by Dr. Kern except as are set forth in this Warranty and Return Policy regarding any Equipment purchased from Dr. Kern.
2. The warranties set forth herein are extended exclusively to the original purchaser of Dr. Kern Equipment and are not transferable.
3. Dr. Kern warrants the chassis and spring assisted canopy lift system on any Equipment against defects in materials and workmanship for a period of five (5) years from the date of original purchase. Lamps, lamp holders, starters, filters, gas shocks and acrylic sheets on any Equipment are warranted against defects in materials and workmanship for a period of thirty (30) days from the date of original purchase. All other Equipment components included as original equipment are warranted against defects in materials and workmanship for a period of one (1) year from the date of original purchase. Repairs that are required as a result of damage during transportation to the end user's location, as well as due to neglect, improper handling or faulty installation are expressly excluded from this warranty.
4. Should the failure to conform with this warranty occur during the applicable specified period with respect to any Equipment, or component thereof, under normal and proper use and provided the Equipment, or component thereof has been properly stored, installed and maintained in strict accordance with any directives, instructions and operating procedures provided by the manufacturer, Dr. Kern shall, upon presentation of proof of purchase, correct such nonconformity at the option of Dr. Kern either by repair or replacement, F.O.B. factory, of the nonconforming part. Return of any Equipment or component part thereof pursuant to this paragraph shall be at the purchaser's risk and expense.
5. Dr. Kern warrants any Equipment, or component part thereof, that is repaired or replaced pursuant to the above warranty, under normal or proper use, storage, installation and maintenance, against defects in design, workmanship and material for a period of thirty (30) days from date of start-up of such repaired or replaced Equipment.
6. This warranty does not cover defects or damages to any Equipment resulting from misuse or failure to follow instructions. This warranty does not cover any incidental or consequential damages, labor on location, service calls, reinstallation, or expenses involved in shipping, packing, and returning goods. This warranty does not cover damages to any Equipment resulting from misuse, abuse, accident or alteration. This warranty does not cover damaged to any Equipment caused by fire, flood, explosion, earthquake, failure of power, lightning, power surge or other acts of God. Any alteration or repair to any Equipment other than by a factory authorized person will invalidate this warranty.
7. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF QUALITY, WHETHER WRITTEN, ORAL OR IMPLIED. ALL OTHER WARRANTIES INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR

A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Correction of nonconformities in the manner and for the period of time provided above shall be purchaser's exclusive remedy and shall constitute fulfillment of all liabilities of Dr. Kern whether in warranty, contract, negligence, tort, or otherwise with respect to the Equipment or component part delivered hereunder. Dr. Kern shall in no event be responsible for providing working access to the defect, including disassembly and reassembly of equipment or parts other than the Dr. Kern Solarium itself.

8. Except as set forth in this warranty DR. KERN SHALL HAVE NO OBLIGATION OR LIABILITY OF ANY KIND ON ACCOUNT OF ANY EQUIPMENT OR COMPONENT PART THEREOF, AND SHALL NOT BE LIABLE FOR ANY INJURY TO PERSON OR PROPERTY, OR ANY OTHER LOSS OR DAMAGE, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT, RENTAL OF SUBSTITUTE EQUIPMENT OR OTHER COMMERCIAL LOSS, EITHER DIRECT OR CONSEQUENTIAL ARISING OUT OF THE USE OR INABILITY TO USE THE EQUIPMENT.
9. **Return Policy.** As a general rule, Dr. Kern products, including Equipment, cannot be returned. Before any Dr. Kern products, including Equipment, may be returned to Dr. Kern for repair, credit, or otherwise it is required that prior authorization is obtained from Dr. Kern and that such return shipment is clearly marked with an RGA (Return Goods Authorization) number issued by Dr. Kern customer service. No return of Equipment or other products will be accepted by Dr. Kern unless such return shipment is clearly marked with the RGA number. Any return shipment to Dr. Kern must be insured and freight prepaid at purchaser's expense. All return shipments are shipped FOB, freight collect, best way unless arranged otherwise in advance. Final acceptance of returned Equipment or other products is subject to factory inspection. Restocking charges will apply to any return of Equipment or other products.

Dr. Kern-EOS USA, Inc.
 221 South Franklin Rd, Unit 1
 Indianapolis, IN 46219
 USA
 Phone 1.800.585.5095

Guarantee / Registration card

In the event of complaint, please send this guarantee slip - together with the sale invoice in all cases - to your dealer or to the after-sales service center.

Date of purchase:

Dealer:

Type marking (article and serial number):

