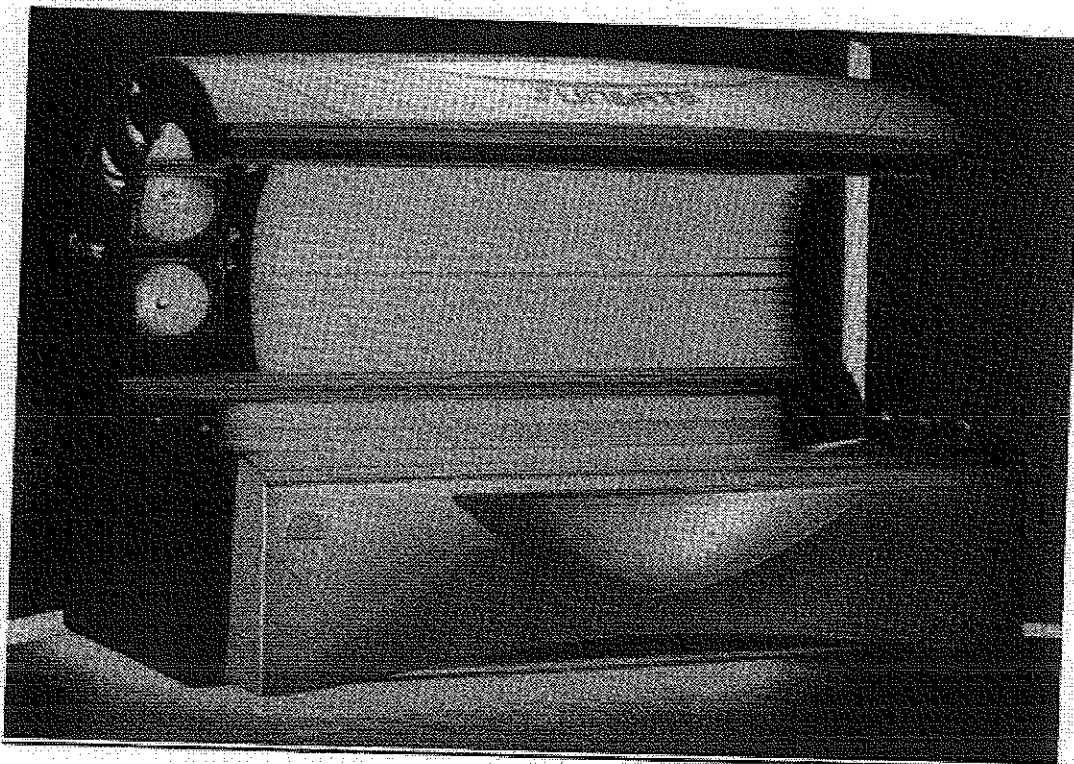


INSTRUCTION BOOKLET



GIANT SUN MAXIMUM POWER

**READ THIS MANUAL CAREFULLY PRIOR TO ANY ASSEMBLY AND INSTALLATION WORK AND
BEFORE FIRST OPERATING THIS DEVICE.
ALWAYS FOLLOW INSTRUCTIONS!**

Manufactured by:

Quarzlampenfabrik Dr. Müller
GmbH & Co KG/
Advanced UV Light GmbH
Ruhrtalstrasse 93
D-45239 Essen – Germany
(issued 03-2001/Technical Changes and errors reserved)

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Solarium Giant Sun

Made in Germany
Quarzlampenfabrik Dr. Müller GmbH
Advanced UV Light GmbH
Ruhrtalstrasse 93 - D-45239 Essen

This product conforms to the amended performance standard for sunlamp products under 21 CFR 1040.20 effective September 8, 1986.

CAUTION: High Voltage !
Unplug from power supply before attempting to service.

Manufactured

Serial Number

240 Volt, 1Phase, 70 Amps, 60 Cs
4 Dr M 1000 E/US HID Lamps
50 QDM VHP R Tubes, 160W or, optional
50 Cosmolux NA 1-15 VHR Tubes, 160W

**TUBES AND LAMPS MAY NOT BE SUBSTITUTED
EXCEPT AS RECOMMENDED BY THE MANUFACTURER.
DO NOT REMOVE THIS LABEL!**

DR. MÜLLER · D-45239 ESSEN

VOLTS 240 AMPS 70 Hz 60

**CERTIFIÉ EN VERTU DU
CODE CANADIEN DE
L'ÉLECTRICITÉ
SEULEMENT**

**CERTIFIED ONLY TO THE
CANADIAN ELECTRICAL
CODE**

SERIAL

MANUFACTURED



"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 DO SO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.**

Medications 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."

1. This ORIGINAL DR. MÜLLER SOLARIUM has been equipped with

DR M 1000 E/US HID facial lamps
QDM VHP R Tubes, 160W

OR OPTIONAL:

Cosmedico NA 1-15 VHR Tubes, 160W

Tubes and lamps may not be substituted except as recommended by the manufacturer. DO NOT REMOVE THIS LABEL.

2. User must wear protective eyewear at all times. For replacement eyewear call your local distributor. Recommended eyewear is Georg Schmerler Type 2255.
3. For safety and best results do not position yourself closer than 6" (c. 15cm) to the tanning surface. The length of your hand is a good rule. Any other position may result in overexposure.

RECOMMENDED EXPOSURE SCHEDULE

SKIN TYPE	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEKLY MAINTENANCE SESSIONS
	SESSIONS 1 - 3	SESSIONS 4 - 6	SESSIONS 7 - 10	SESSIONS 11 - 15	
II = FAIR	2 MIN.	4 MIN.	5 MIN.	7 MIN.	8 MIN.
III = MEDIUM	3 MIN.	5 MIN.	7 MIN.	9 MIN.	
IV = DARK	4 MIN.	6 MIN.	8 MIN.	10 MIN.	

FIRST 6 SESSIONS TO BE AT 48 HOUR INTERVALS; TAN MAINTENANCE: 1-2 TIMES WEEKLY AT WEEK 4 DOSAGE.

Recommended Exposure Schedule



Note: Sensitivity and reaction to UV-light exposure mainly depend on your individual skin type. The following chart shows the standard classification of Skin Types I - VI and their main characteristics. You should consider, however, that even within the same skin type, the individual condition of the skin and consequently the reaction to UV-light exposure may differ considerably and that certain factors (i.e. photosensitizing agents) also may influence your sensitivity to UV-light.

Skin Types* and Reaction to UV-Exposure

Skin Type	Description	Examples	Sunburn	Suntan
I.	Skin: very fair, w/freckles Eyes: blue, light gray, light green Hair: red, blonde	Celtic Type	Always	Tans little or not at all
II.	Skin: fair skin, some freckles Eyes: blue, green, gray Hair: blonde - dark blonde	Fair European type with white unexposed skin	Mostly	Light tan
III.	Skin: fair - to light beige, no freckles Eyes: grey, hazel Hair: dark blonde - brunette	Dark European type with white unexposed skin	Moderate sunburn	Average tan
IV.	Skin: light - beige, brown Eyes: dark Hair: brown - black	Mediterranean type Hispanics and Asians w. light unexposed skin	Almost none	Tans easily, dark tan
V.	Skin: brown Eyes: dark Hair: black	Dark Mediterranean type, Hispanics w. brown unexposed skin, Indians	Rarely	Always
VI.	Skin: black Eyes: dark Hair: black	Africans and African-Americans, Australian & S. Indian Aboriginies	Never	Always

* Based on Philips Licht, Skin Type Classification

Recommended Exposure Schedule for untanned Skin Type II:

Recommended initial exposure time at the beginning of a series of tanning sessions	max. 2 minutes	3 sessions per week
Recommended exposure time after first 3 sessions	max. 4 minutes	3 sessions per week
Maximum recommended exposure time	max. 8 minutes	
Recommended number of sessions to obtain a tan		7-10 sessions, first visible results after approx. 3 sessions
Recommended intervals between tanning sessions		48 hours
Recommended number of sessions to maintain a tan	max. 8 minutes	1-2 sessions per week



USER INSTRUCTIONS

- This sunbed produces UV-A radiation similar to that produced by the sun, however, in a much stronger and more concentrated form. The amount of UV-B radiation has been reduced to a minimum. There is no UV-C component present.
- This sunbed will produce much the same results as experienced while tanning in the natural sun. People who are not likely to tan in the sun will also not get a tan from the use of this product.
- Using the sunbed sensibly should prevent sunburn and other types of skin damage.
- For this reason, it is recommended that the maximum exposure time listed on the User Label should not be exceeded for someone with a light skin type with some pigments (= skin type II).

PLEASE USE INDICATED EXPOSURE SCHEDULE TO DETERMINE INITIAL EXPOSURE TIMES ACCORDING TO YOUR SKIN TYPE!

- The individual limit is reached if after a few hours after the use of this product the skin turns lightly red or feels a little tight (erythema threshold).

NOTE: THIS ERYTHEMA THRESHOLD SHOULD NOT BE EXCEEDED!

- At all times use the indicated exposure schedule to determine the maximum exposure time and be aware that non tanned portions of the body should be considered when selecting the proper exposure schedule.
- The best distance to the tanning surface is about 6" (15 cm). The length of your hand is a good rule of thumb for this distance. Any position closer to the tanning surface may result in over-exposure.

ONLY ONE PERSON MAY USE THE SUNBED AT ONE TIME.

ONLY ONE SET OF PROTECTIVE EYEWEAR HAS BEEN SUPPLIED.



TANNING RULES

- Each user should strictly observe the **RECOMMENDED EXPOSURE SCHEDULE** listed on the tanning unit.
- Make sure that the tanning unit is equipped with a **TIMER**. **Never use a sunbed without a timer or with defective timer.** The maximum timer interval on the timer may not exceed the maximum recommended exposure time indicated on your tanning unit.
- **Never use a sunbed without filters** (i. e. clear and blue filters for the facials) **or with defective filters.** Missing or defective filters can cause severe sunburn.
- **Avoid any risk of over-exposure.** Possible symptoms of excessive exposure include red and itchy skin, which may blister and peel off, and a painful, itchy rash. Note: Sensitive skin can react with a heat rash immediately after a tanning session. This is due to the remaining infra-red heat rays and is not a sunburn if the symptom disappears shortly after the tanning session.
- **USE PROTECTIVE EYE WEAR!** Wear goggles or other UV-blocking eye protection at all times during a tanning session. Remove contact lenses. As with natural sunlight, overexposure can cause eye injury.
- **Medications may considerably increase your sensitivity to the ultraviolet radiation.** Some reported photosensitizing medications are, for instance, Antihistamines, Contraceptives, Psoralens, Sulfonamides, Tetracyclines, Antidepressants. There are also some medical conditions that can make tanning extremely hazardous. In case of doubt, consult your physician prior to using a sunbed.
- If you notice **any abnormal skin reaction** during or after a tanning session, **do not use tanning equipment again before consulting a physician.**
- **Remove all makeup** and other **cosmetics** before you take a session. Don't use **deodorants** or **perfume** immediately before a sunbath. These products, too, may contain ingredients that may increase your sensitivity to the ultraviolet light. **Skin should be dry and clean** when taking a tanning session.
- Also **remove all jewelry** before a tanning session in order to avoid possible allergic reactions and unattractive stripes.
- Use only **skincare products** designed specifically for indoor tanning immediately before and after a tanning session. **Don't use any screens** or sun lotions for **outdoor tanning.** These products have been created for a different purpose and a different UV-light spectrum than indoor tanning products and some may also cause photosensitizing or allergic reaction when used for indoor tanning.
- It is recommended to **use specifically designed indoor tanning products.** Pre-and after-tanning moisturizers will enhance your tan and keep the skin soft and supple.
- **Take a series of controlled tanning sessions!** The cumulative effect of multiple sessions will produce increased stimulation of pigment forming cells and result in a long lasting, rich tan which protects better against sunburn.
- **Only use indoor tanning equipment once a day.** Don't sunbathe outside on days you use indoor tanning equipment.
- Please remember that those parts of your body which are normally not exposed to sunlight, will react more sensitively to ultraviolet light. Generally **unexposed areas are likely to react more sensitively** to ultraviolet exposure than the face or arms. Keep also in mind that in spring, after the lack of sunlight in winter, your skin reacts much more sensitively to ultraviolet light than in fall.
- After an intensive series of tanning sessions or an extensive holiday in the sun, **take a rest period** of some weeks before working on the maintenance of your tan.

ALWAYS USE INDOOR TANNING EQUIPMENT IN A RESPONSIBLE AND CONTROLLED WAY.

AVOID ANY POSSIBLE HEALTH RISKS BY OBSERVING RECOMMENDED EXPOSURE TIMES AND TANNING RULES.



TRANSPORT AND PACKING:

In order to facilitate transportation and installation, the Giant Sun is shipped in 1 box, pre-assembled and ready for electrical installation.

Please check boxes and unit immediately for eventual transport damages. All claims for transport damages have to be filed immediately with the forwarding company.

If passages or room doors too small to move the sunbed in one piece to the site of installation, you may have to disassemble the front plates and sunbed plexi as well as to disconnect top and bottom part in order to move the bed into the room. For instructions, see pages 18-19.

GENERAL INSTRUCTIONS FOR ASSEMBLY AND INSTALLATION

- Assembly and service work should only be performed by qualified personnel, authorized by QDM Co. Inc.
- For information on QDM'S service network and local representatives call your authorized distributor or QDM headquarters 888-3 -DR MULLER (Service).
- Fill out the warranty form enclosed to this booklet and fax it to QDM, SFO. This will make it much easier to register the unit and keep a track record for eventual warranty claims or re-ordering of compliant spare parts..
- Keep this booklet available in your files for later use.

INSTALLATION AND OPERATION REQUIREMENTS

- For electrical requirements see Technical Specifications.
- The unit should be installed in a room with ambient temperature not exceeding 30°C (86°F). We recommend an average ambient temperature of 26°C and sufficient supply of fresh air (approx.- 2.500m³/h). There should also be sufficient exhaust air outlets.
- The minimum room size should be 240 x 240 cm². We recommend a room size of 250 x 250 cm² with room height minimum 2.5m.
- Do not install the unit in rooms with exceeding humidity (more than 70%), or where it may get into contact with splash water. High humidity may endanger the safe electrical operation of the unit. Do not install the equipment close to explosives or other dangerous goods.

Keep in mind that UV-light might fade or damage some fabrics and take care that these materials are not exposed to UV-light emission. Don't put any towels, tissues or any other items on the unit.. This may block the air vents and cause the machine to overheat. Smaller items may accidentally fall into the machine and cause serious damage. Don't put any bottles or liquids (coffee cups) on the machine! Don't operate the unit if liquids or other materials have entered the interior of the tanning unit.


- **During assembly work and while servicing the unit, it has to be completely disconnected from the electrical mains supply.**



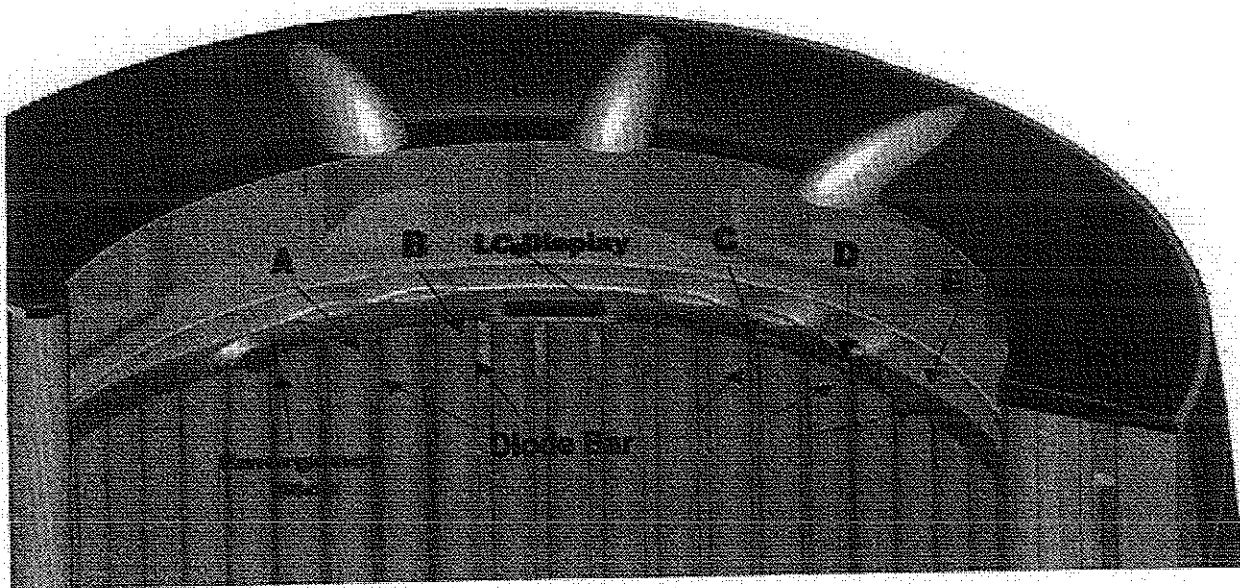
Starting the Equipment

- The Start-up depends on the kind of time control device connected to the sunbed. After insertion of coins or tokens, the unit will start automatically after pre-set delay time has run off.

- During pre-set delay time, the HID lamps can be started immediately by pressing the

Stop/Start-button A:  Stop Start

- During a tanning sessions the HID-lamps can be switched off by pressing the Stop/Start button (A). Pressing the Stop/Start button again, will re-activate the HID-lamps, after a cooling period of approx. 3 minutes.



A:  Stop Start

C:  Facial Fans (Top)

B:  AC-Unit

D:  Body Cooling Fan

E:  HID -Facials

Facial fans and body cooling:

The intensity of the facial fans and the body cooling is steplessly adjustable.



- By pressing the (+) or (-) minus option on button D, the intensity of the body cooling system is controlled.



- By pressing the (+) or (-) minus option on button C, the intensity of the facial fans is controlled.

Moving the nozzles of the facial air vents, will allow you to control the direction of the air-flow. The diodes indicate the current intensity of the ventilation system.

Air conditioning (optional):



- The air conditioning unit starts when the equipment is switched on (diodes next to button B light up).
- By pressing the button B the air conditioning unit is switched off.
- Pressing button B again, will cause the air conditioning unit to start again with some delay time. During the delay time the diode display next to button B is blinking.

Facial tanners



- The intensity of the facial tanners can be adjusted in several steps:
- By pressing the (+) or (-) option on button E during a tanning session the intensity of the facials is increased or decreased.
- the diodes next to button E indicate the current intensity.
- If button E is pressed for more than 3 seconds while on the lowest intensity level (3 diodes), the facials will turn off.
- By pressing the (+) option of button E again, the facial tanners will light up again with a certain delay time. During delay time the first diode is blinking.



The Display:

During the different operational modes of the equipment, the 4-digit display indicates the following information:

When the sunbed is on stand-by, ready for operation, the display shows 0000

During a tanning session, the tanning time is displayed. If tanning time is displayed down/or up-counting depends on the control device connected with the equipment:

Internal time control: tanning time is down-counting

Coin box: tanning time is up-counting

During after cooling time the display shows "Fan".

In the service mode, the display provides access to diverse information – see also "Maintenance".

In case of a malfunction, the display shows an error code, that indicates the eventual cause of the defect. See also "Troubleshooting".

The Emergency Stop Button:

On the very left hand side of the control panel is a big red push-in button, the "Emergency Stop or Panic Button". If, for whatever reason, you decide to stop a tanning session, press this button and UV light emission stops immediately. The machine will only start again, if you unlock this button by giving it a slight turn while keeping it pushed down.

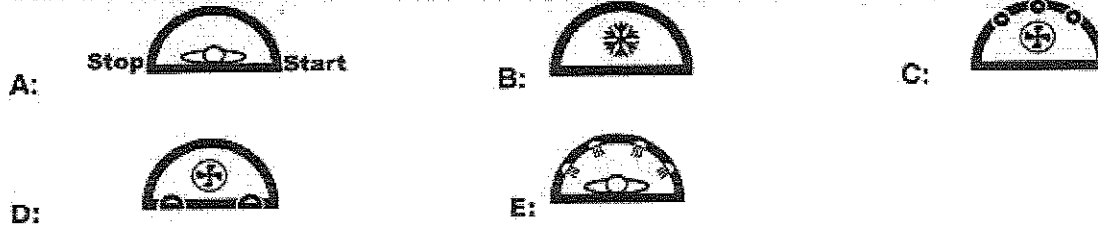
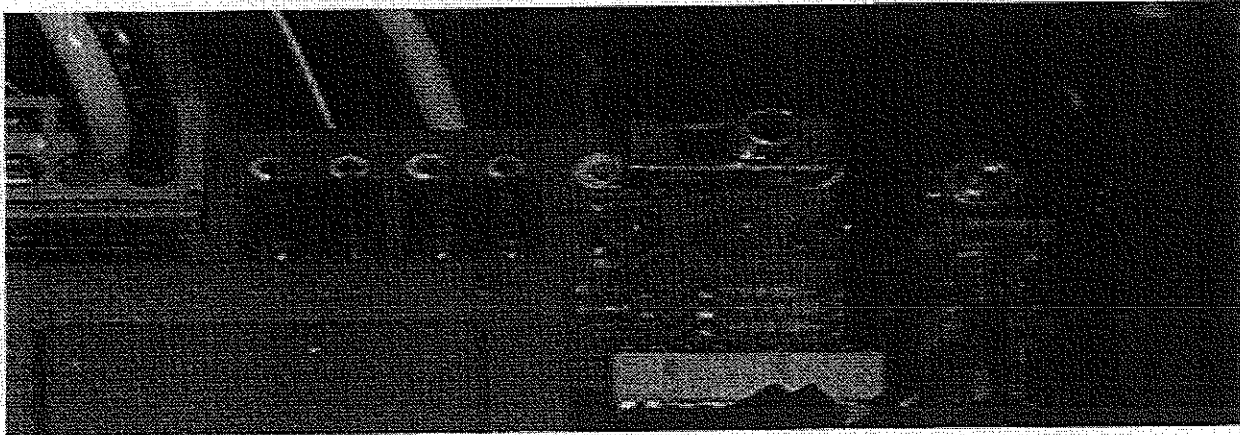
The Emergency Stop Button is an important safety feature and should be used in case of an emergency only. Don't abuse it as a regular "stop" button.

Service Mode



Service Mode:

in the service mode the hour counters for the equipment, the low-pressure and high-pressure lamps can be read-out or re-set respectively. In this mode, the control options can also be set up according to customer specifications. you access the service mode, by activating the switch 8(see picture) on the PCB. The red LED light that in standard mode blinks slowly will start to blink quickly.



The display will show 0060. with the facial tanner button E +/- the corresponding menu point is selected - see the following table. With the button for the facial fan C the value of the menu point is modified in single steps, with the body cooling button D the value is changed in steps of 10.

Menu #	Value	Description	Display	Standard
00	60	Button A + → test run 60 sec.	00 60	-
00	60	Button B - → operational hours	XXXX	No re-set
00	60	Button A - → hours f. low-pressure lamps	XXXX	-
00	60	Button A - > 5 sec. Lamp hours are re-set	00 00	-
01	00	External control	01 00	00
	01-60	internal control in min.	01XX	
02	02	Irrelevant	02 02	02
03	01-08	Irrelevant	03 01	01
04	00	AC blocked	04 00	02
	01	AC off at start, then adjustable	04 01	
	02	AC on at start, then adjustable	04 02	
05	00-90	Irrelevant	05 25	25
06	00 99	Irrelevant	06 00	00
07	00-03	Start Step for body cooling fan (0-3)	07 03	03
08	00-03	Start step for facial fan	08 03	03
09	00 03	Start step for facials (off = step 3)	09 03	03
10	00	Start button always activated	10 00	00
	01	Start button activated after after cooling time has run out	10 01	

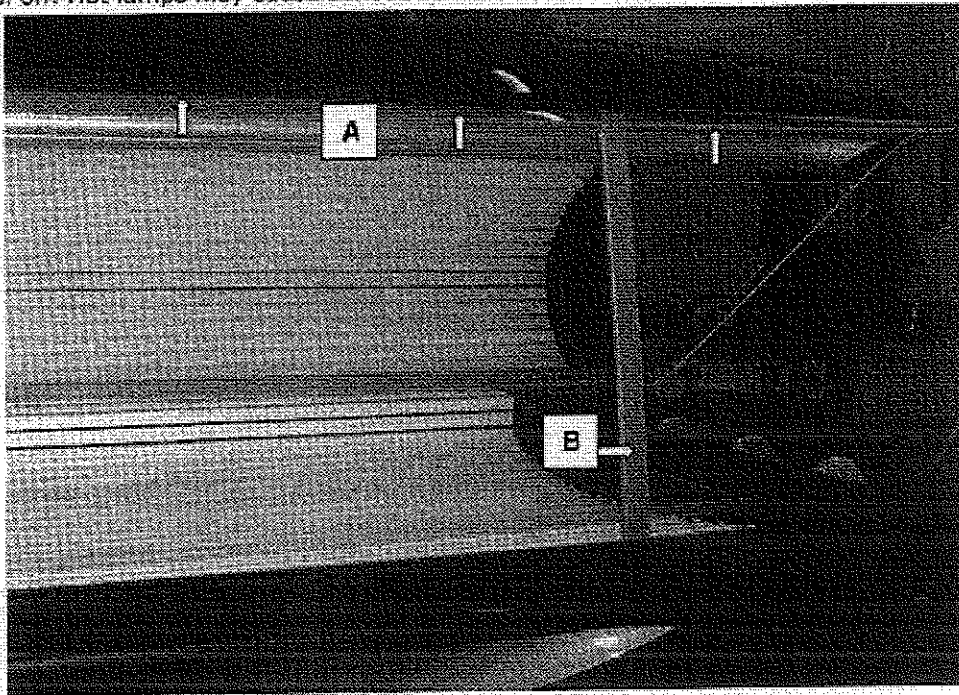


CLEANING OR REPLACING LOW-PRESSURE LAMPS IN THE SUNBED:

CAUTION: ELECTRIC CURRENT!

Prior to any maintenance or service work the unit has to be shut off from the electrical supply system.

If the unit has been in operation just before you start cleaning or replacing lamps, allow for lamps to cool off. Hot lamps may cause serious burns.



- Take care that the top is in open position.
- Lift sunbed plexi (A) in the center with both hands and push upwards.
- Hold plexi with one hand while lifting up the support bracket (B). Take care that the bracket is in its stop position and that plexi rests on the rubber plug.
- Remove the AC-plexi and the lamp covers.
- Disassemble the lamps and clean or remove respectively.
- Put the lamps into the lampholders and turn by 90°. the lamp labels should now be visible. Electrical contact is only provided if lamps are in a correct 90° position.
- Assembly is performed in reverse order.

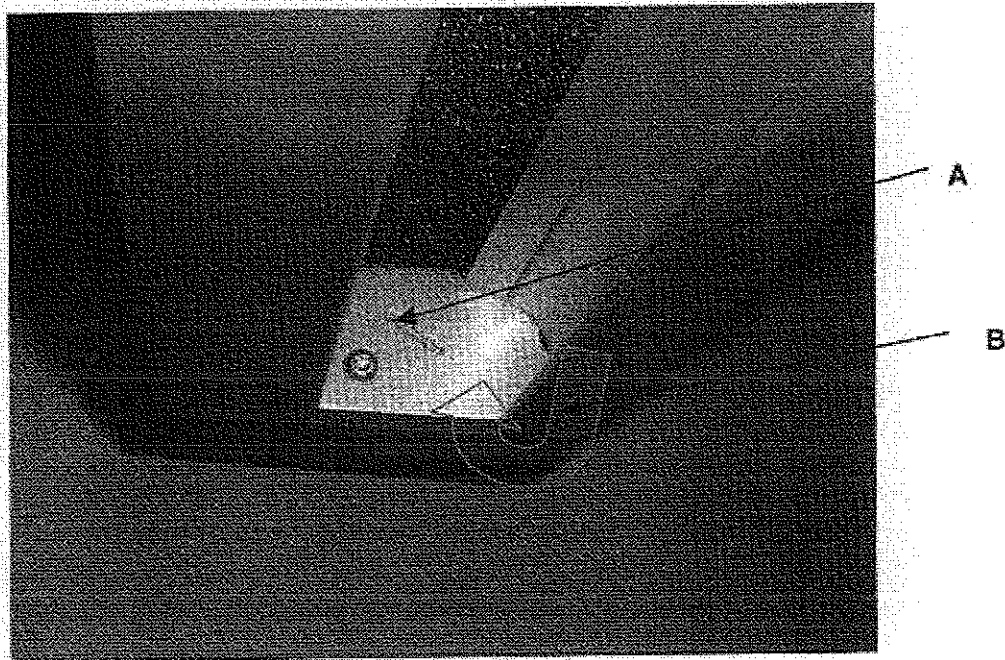


CLEANING OR REPLACING LOW-PRESSURE LAMPS IN THE TOP:

CAUTION: ELECTRIC CURRENT!

Prior to any maintenance or service work the unit has to be shut off from the electrical supply system.

If the unit has been in operation just before you start cleaning or replacing lamps, allow for lamps to cool off. Hot lamps may cause serious burns.



- Put soft padding material (or head-pillow) on the sunbed plexi to support top plexi.
- Put a coin or crewdriver into slot (A) to release the spring that holds the profile. You can now cautiously turn the aluminum profile (B) inwards.
- Let the top plexi down and put it on the padding material.
- Disassemble the fluorescent lamps and clean or replace respectively.
- Re-assemble lamps by putting them into the lampholder and then turn them by 90°. Electrical contact is only provided when lamps are in a correct 90° position. The lamp labels should be visible now.
- Re-assembly of the plexi is performed in reverse order.



CLEANING FILTERS AND REPLACING HID-LAMPS:

CAUTION: ELECTRIC CURRENT!

Prior to any maintenance or service work the unit has to be shut off from the electrical supply system.

If the unit has been in operation just before you start cleaning or replacing lamps, allow for lamps to cool off. Hot lamps may cause serious burns.



Disconnect the top plexi as described previously.

Pull down the plexi and let it rest on soft padding material.

Push filter frame A to the center of the equipment. Use a coin or screwdriver to do so and support the filter glass with one hand while doing so.

Take out the filter and clean or replace it carefully.

Pull out the lamp at the ceramic base using a soft cloth.

CAUTION: Do not touch glass body of the lamp with bare fingers. If necessary, clean carefully with a soft cloth dampened with alcohol to remove finger prints.

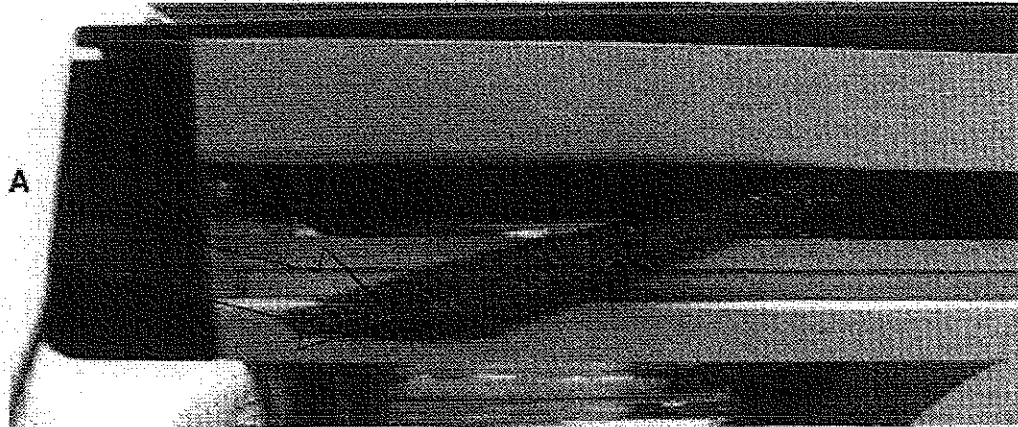
The contact pins of the lamp have different sizes. Take care that the lamp and contact pins are in correct position when installing lamp again.

Put in the filter glass by pushing the filter frame A to the center of the equipment and push until the frame slides over the filter glass.

Push the plexi upwards and turn aluminum profile back until it locks.



REPLACING THE AIR FILTER MAT IN THE TOP:

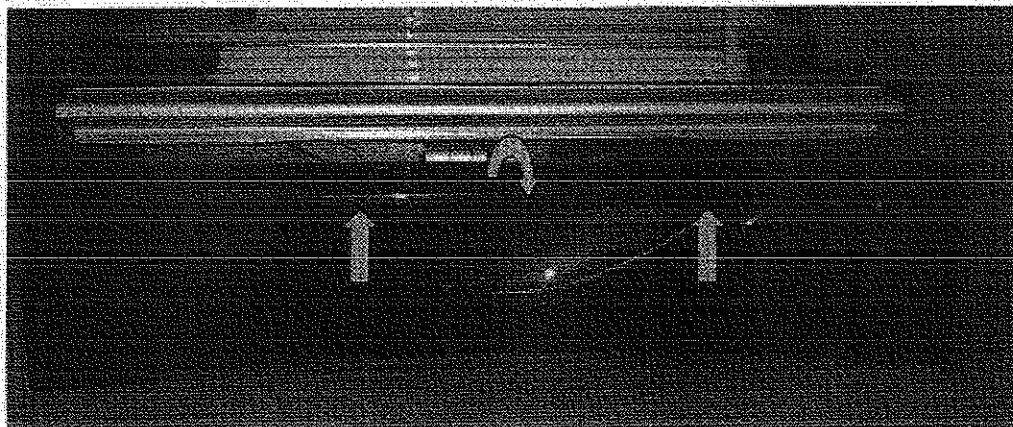


Pull out the filter mat A and replace with new one. Take care that you only replace with filter mat as originally supplied from the manufacturer. Use of other air filters mats may affect equipment ventilation and cause heat problems.

REPLACING AIR FILTER MATS IN THE SUNBED:

CAUTION: ELECTRIC CURRENT!

Prior to maintenance or service work the unit has to be shut off from the electrical supply system.



Take care that the top is in open position.

Push the sunbed plexi upwards and let it rest on the support bracket.

Disassemble the front plate as shown in the picture above.

Take out air filter mat B and replace. Take care that you only use air filter mats as originally supplied by manufacturer. Use of other air filter mats may affect equipment ventilation and cause heat problems.



SET UP FOR ELECTRONIC CONTROL SYSTEM

CAUTION: ELECTRIC CURRENT

Service work on the electronic control system should be performed by authorized technicians only. In order to service the set-up the electronic control system, the equipment needs to be connected to the electrical supply system.

- Take care that the top is in open position
- Lift and sunbed plexi and let it rest on support bracket.
- Remove the front plate
- The electronic control system is installed in the right front side of the ballast tray.
- in order to enter the program menu, switch A on the board needs to be activated. when in program mode, the BUS-control LED light (red) blinks very quickly.
- The menu options are accessed by using the (+) and (-) steps of the facial switch.
- using the body cooling switch will change the value in steps of 10.
- Using the facial fan switch will change the values in single steps.
- When you leave the menu, you have to activate switch A again to save modifications of control set-up.

Menu	Value	Description	Factory Up/Std.	Set-
01	00	Remote control - external timer(coinbox)		
01	01-30	Time control via internal timer	00	
02	-	Not required	02	
03	-	Not required	03	
04	00	AC always off (de-activated)		
04	01	AC always off at start of session, then adjustable	02	
04	02	AC always on at start of session, then adjustable		
05	00-90	Temperature value for activation of heat recycling	25	
06	00	Showlight always off		
06	99	Showlight always off		
06	98	Showlight always off when equipment off	98	
06	01-97	Showlight on when equipment off and timer in 10min. steps		
07	00-05	Starting value for body cooling fan (0-5)	3	
08	00-05	Starting value for facial fan (0-5)	3	
09	00-03	Starting value for facials (0-3)	2	
10	00	Start button always active		
10	01	Start button active after after cooling time has run out	0	
The following options can only be modified by authorized service personnel*)				
11	-	No function assigned		
12	01-60	Maximum operation time in minutes (Safety shut-off)	30	
13	00-03	Facials can be turned down to stepxxxx	00	
14	00-06	Cooling time for HID lamps after turn off in minutes	3	
15	01-03	Facials - ignition step at start-up	01	
16	00-99	Switch-time for facials in 10 ms-steps	01	
17	00-50	Rest time for motors of controlled fans in ms	10	
18	02-05	After cooling time in minutes	05	
19	02-59	Intervals for cond. water pump in minutes	10	
20	00-99	Time for cond. water pump in sec.	20	
21-25	00-99	rpm for body cooling fans per step		
26-30	00-99	rpm for facial fans per step		

The Standard Factory Set-Up may be modified in order to comply with certain standards and regulations or other safety requirements. Access to these set-ups is restricted. If you have any questions or problems concerning these set-ups, please contact manufacturer or importer of record.



ERROR MESSAGES

If the equipment is not ready for operation, the display in the control panel shows an error code -- see the following table:

Error Code	Description
E001	Flag relay does not turn on
E002	Filter glass defective or missing
E003	Sunbed plexi not properly closed
E004	Front plate not properly installed
E005	Emergency Stop activated/Plexi not properly closed
E006	Max exposure time run out
E007	
E008	Communication error
E009	

The error message has to be confirmed by pressing the Stop/Start Switch A prior to starting another tanning session.

Further possible malfunctions:

Malfunction	Possible Cause	Remedy
Equipment does not start when timer system is activated.	No electricity	Check circuit breakers and FI-protective switch
Low-pressure lamps start flickering.	Starters defective	Replace starters
Equipment runs too hot.	Air filter mats are dusty. Insufficient supply of fresh air or disposal of exhaust air.	Replace filter mats. Check supply and exhaust air requirements.
One or more low-pressure lamps do not turn on.	Lamp is not correctly installed. Lamp is defective.	Instal lamp correctly. Replace lamp
One or more HID-lamps do not light up.	HID-lamp not correctly installed. HID lamp or ignitor defective.	Instal HID lamp correctly. Replace HID-lamp or ignitor.

Technical Specifications



Technical Specifications

Dimensions:

Length: 2300 mm (90,56")
Depth: 1450 mm (57,10")
Height: 1680 mm (66,14") Top open
1350 mm (53,15") Top closed

Weight: Approx. 450 kg

Lamp configuration: Top: 21 x QDM VHP R 160W low-pressure lamps
Sunbed: 29 x QDM VHP R 160W low-pressure lamps
Optional: Cosmedico NA 1-15 VHR Lamps, 160W
Facials: 4 x Dr M 1000E/US HID Quartz Lamps

Ventilation: Central Exhaust Air System
Air vol.: approx. 2.500m³/h

Electrical Connection: 1-phase US, 240V/60CS

Amps. c. 70 amps (w/o AC unit)

FI-Protective Switch: 75 amps (w/o AC unit) - to be installed at site of installation

1. Sunbed Plexi:
 - Lift the top.
 - Lift the sunbed plexi 10 to 20 cm and start to pull the sunbed plexi off.
2. Remove the AC-plexi and the coverings for the lamps.
3. Remove the front plate (technical changes pending).
4. Put styrofoam or other material on the front aluminum profile.
5. Remove the rear plate of the sunbed.
6. Disconnect wires from the ballast tray and arrange in such a way that there will be no problems with the wires and cables when lifting off the top.
7. Bring the top into the highest possible position (same procedure as with the Orbit).
8. To disconnect the springs
 - One person in front of the unit supports the top and holds it in this position.
 - Two other persons, at the right and left side of the top, pull at the lower part of the springs (it is recommended to pull from the rear side) so that the lift arm of the top is disconnected when the top is lowered. Lift arm is visible from above, where the lamp covers were installed.
 - Lower the top and let it rest on the styrofoam.
 - Take care that both springs are completely disconnected.
 -
9. Lift the top and remove (4 -5 persons)
 - Lift the top slightly, then pull forward and lift off.
 - One person should take care of the wires and cables.
 -
10. When storing the top, take care that there is some soft padding material, especially in the front to prevent scratches.
11. Remove ballast tray
 - Loosen the screws fixing the ballast trays for transport.
 - Remove ballast tray and ballasts (Orbit)
12. Bring sunbed structure to the place of installation.



13. If the rear side of the bed and the exhaust air stack will not be easily accessible when the bed is installed, the rear plate and the exhaust air stack need to be connected now.
 - When assembling the rear plate take care the the interior exhaust air stack and the main fan fit correctly.
 - Take care of supply and control cable.
14. Put in the ballast tray.
15. Instal the top:
 - While installing the top the connection cables need to be put into the sunbed cable entry.
 - Lift the metall edges of the hinge bracket carefully on the hinge bolt and let the top slide carefully backwards.
 - Bring the top into open position.
 - Both springs should now be connected.
16. Connect wires on the ballast tray.
17. Instal the front plate.
18. Instal lamp covers and AC plexi
19. Put in the sunbed plexi, same angle as for removal.

Replacements & Accessories



Replacement & Accessories

In order to keep your sunbed at all times compliant, only original components and lamps as supplied by the manufacturer should be used as replacements. Compliant components and lamps as well as other spare parts and accessories are available from your local authorized distributor or directly from:

QDM Co. Inc.
856 Folsom Street
San Francisco CA 94107

Sales: 888 - DR - MULLER
Service: 888 - 3 - DR - MULLER
Fax: 415 - 908 6860

For further technical information, up-dates and special offers, you can also contact QDM via their web-site address: www.qdmco.com or www.sunlamp.com

Selected Spare Parts list for #s01003 GIANT SUN USA 50-04/VHP

Description	Qty.
Air vents (body cooling) GS Top w/blk. air vents (chrome)	3
Air vents (body cooling) GS Sunbed (chrome)	5
Lamp covering for GS sunbed - headend (black)	1
Lamp covering for GS sunbed - footend (black)	1
QDM VHP R Lamp 160W (21 Top/29 sunbed)	50
HID lamp Dr M 1000E/US	4
Micro-Switch for facials	4
Micro-Switch for GS Sunbed acrylic	1
Micro-Switch for GS Sunbed - Frontplate	1
Emergency Stop button 1.30043.001	1
Contact for Emergency Stop Button - Opener	1
Main fan for GS D4E 250AA 01-05 (fan only)	1
Flag relay for GS main fan D4E 250AA	1
Main fan Giant Sun, cpl. set, preassembled	1
Body cooling fan GS SB R2E 146 AW 07-05	1
Facial cooling fan GS Top R2E 180 AA03-05	1
Air filter mat (top and sunbed)	2
Acrylic for GS Sunbed 2094x1041x8	1
Support Bracket for GS Sunbed	1
Plastic cap for support bracket (blk.)	1
AC-acrylic GS Sunbed 1832 x 496 x 34*34	1
Acrylic for GS Top 2072x1273x3	1
Electronic control unit - GS USA	1
Rocker switches f. control panel (chrome)	5
Filter glass for Giant Sun 50-4 VHP	4
Ballasts Giant Sun Top 180W	29
Ballast Giant Sun Sunbed 160W	21
Starters for Giant Sun 50-4	50
Lampholders w. Starter contact - Giant Sun 50-4	25
Lampholders w/o starter contact - Giant Sun 50-4	25
K1 contactor Giant Sun Main Contactor	1
K2 contactor Giant Sun	1

Assignment of Terminals

Terminal X 1 and X2:	Sunbed L 1
X 3.1:	HID Lamps, Step 1 - L1
X 3.2:	HID Lamps, Step 2 -L1
X 4 and X 5:	Top - L1
X 6 and X 7:	Sunbed - L2
X 22	HID Lamps - L2
X 23 and X 24;	Top - L2
X 20:	Air conditioning Unit
X 21:	Coin Box/external control system
X 8:	Main fain
X 10:	Emergency Stop Button
X 9:	Body Cooling Fan (Top - Facial Fan)
X 13:	Body Cooling Fan (Sunbed - Footend)

