USER'S MANUAL

Matrix L33-ER

I.SO Italia S.p.A.
INDUSTRIA SOLARIUM
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30029-S. Stino di Livenza (VE)
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Read all precautions and instructions in this manual before using this equipment.

Ed 06.01.4001 Electronic board SPWR

READ THE USERS MANUAL BEFORE USING THIS UNIT

Disconnect power supply before servicing

CAUTION: CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A GROUND FAULT CIRCUIT INTERRUPTER
ATTENTION : BRANCHER SEULEMENT A UNE DERIVATION PROTEGEE PAR UN DISJONCTEUR DIFFRENTIEL DE CLASSE A

DANGER ULTRAVIOLET RADIATION
Follow instructions. Avoid over-exposure. As with natural sunlight, over-exposure can cause eye and skin injury and allergic reactions. Repeated exposures may cause premature aging of the skin and skin cancer.

WEAR PROTECTIVE EYEWEAR: FAILURE TO MAY CAUSE 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 medication or having 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.

THIS UNIT UTILIZES UVA LAMPS REPLACEMENT LAMP TYPES:
I.SO ITALIA EVOLUTION LIGHT 650W / 500W
THIS PRODUCT IS IN CONFORMITY WITH THE PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR 1040.20

I.SO Italia thanks you for choosing one of it's tanning machines

WARNING :

Warning – Read the whole of the attached manual to ensure the product will be used correctly through an understanding of the instructions. After you have read it keep this handbook in a safe place so that you can refer to it as necessary in future.

THE IMPROPER USE OF THE MACHINE CAN JEOPARDIZE EITHER THE SAFETY OF THE TREATED SUBJECT OR THE OPERATOR. THEREFORE DECLINING ANY FURTHER USE OF THE WARRANTY.

THE USER'S HANDBOOK IS ADDRESSED EITHER TO THE BEAUTY OPERATOR OR TO THE PERSONNEL WHO IS INSTRUCTED TO MAKE THE MACHINE RUN

ALL THE UNPACKING, ASSEMBLING, INSTALLATION, PUTTING IN SERVICE OPERATIONS MUST BE CARRIED ON ONLY BY TECHNICAL TRAINED AND AUTHORIZED PERSONNEL BY I.SO ITALIA S.p.A. OR BY DISTRIBUTORS PERSONNEL

Note: *The information contained in this handbook is subject to modifications without prior notice. The manufacturer accepts no liability for any error that may be contained in this handbook – the reproduction, transmission or use of these documents or their contents without express written authorization is forbidden.*

Congratulations for a fabulous purchase

APPARATUS IDENTIFICATION
TANNING MACHINE MOD.

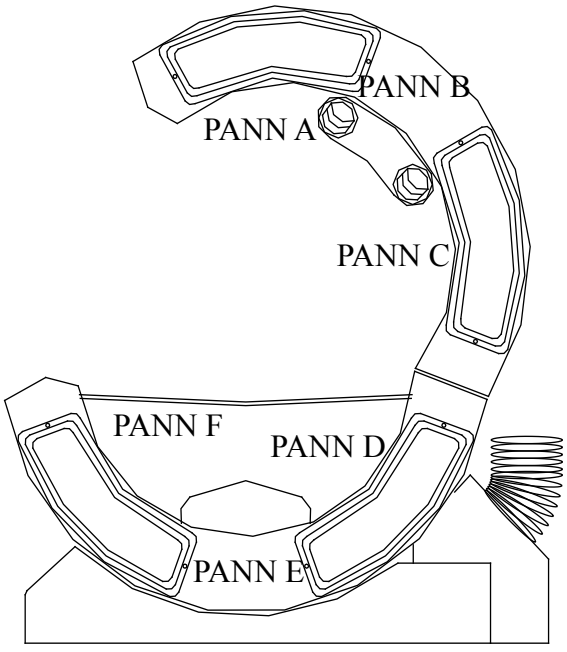
Matrix L33-ER

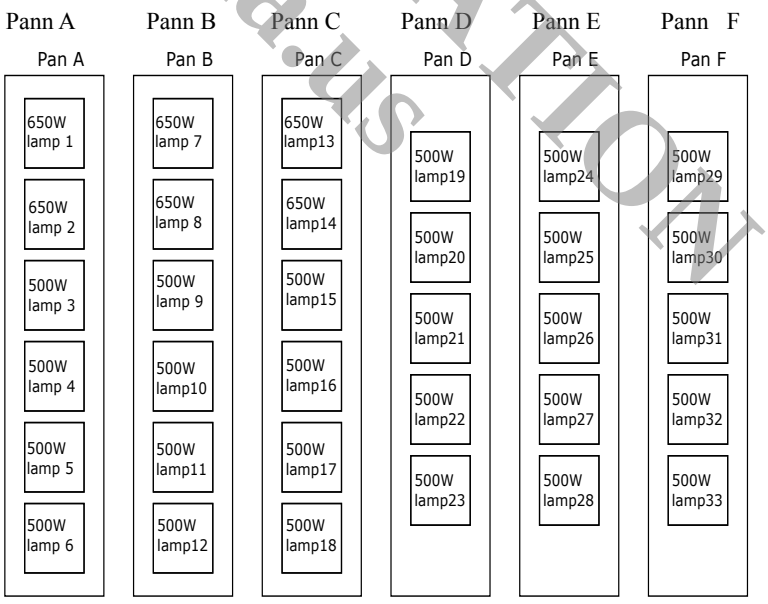
CONFIGURATION OF FACE LAMPS AND TUBES

Model	N° Lamp x Watt	Type lamp and Position	Filters	Lamp Power (kW)	Total power absorbed from mains supply(kW/A)
L33ER	06 x 650	*Evolution Light* - Face lamps	I.SO KL	3,9	20/52,8
	27 x 500	*Evolution Light* - Body lamp		13,5	

ETICHETTA PER MATRICOLA
UV TIPO
TENS ALIMENTAZIONE
ANNO DI FABBRICAZIONE

Overall view and Lamps Lay Out Inside the Tanning Machine:





TECHNICAL CHARACTERISTICS

Harmonized reference standards:

Apparatus compliant with safety standards:

CEI 61-150 (EN 60 335-1)

CEI 61-184 (EN 60 335-2-27)

And electromagnetic compatibility standards

CEI EN 55011, CEI EN 55014-2, CEI EN 61000-3-2, CEI EN 61000-3-3, CEI EN 61000-4-3.

Classification for safety standards:

Fixed apparatus class I (for protection against electric shock), common type (for protection against humidity) (CEI 61-150).

UV apparatus of type indicated in chart on page 13 (CEI 61-184).

Overall dimensions and weight of Solarium Matrix L33-ER:

Depth	Widht	Height	Surface area	Weight of tanning machine
60in	91in	71in	4 points 8x0,8in	1940lb

Tanning Machine Power supply

Power supply	Power supply frequency	Active power absorption	Maximum upwards variation in power absorbed	Power factor (cos Φ)	Operating cycle
230V ± 10%,	60Hz	L33ER 20kW	+ 10%	between 0,9 and 1	30 min ON 4 min OFF
230V 3~ 230V ~		(at nominal voltage and normal operating temperature)			

Electrical protection devices

Main circuit braker	breaking capacity	circuit breaker for auxiliary circuit	Shunt trip
L33ER	L33ER	L33ER	L33ER
80 A with 230V	6kA	16A	On starting up of current

Generated air:

Expelled hot air	Delta temperature	Flexible tubes n°/diameter/lenght	Expulse air pressure
4840 ya³/h	63°F	N° 1 flexible tube / 11,8in / 118in	96 Pa (N/m²)

Quality of expelled air

The expelled air is just heated room air, this air is not to be defined as treated or containing fumes of any kind since it is not subjected to chemical processes or any other process.

Loudnes**s:**

Medium loudnes	79 dB

Main parts of Tanning Machine:

Lamps types	(see apparatus identification on page 4).
Filters	SICURPLEX + filters UV type I.SO KL with serigraph
Circuit boards	KEYPAD I.SO STP MEM = control board for general control I.SO SPWR = power supply board
Emergency button	(see instructions on page 14).
Main structure	steel coated with epoxy powder paint
Finishing components	made of polyurethane or methylmethacrylate, a material treated specifically to withstand exposure to UV-A rays. Lamp
Protection Plexiglas	made of transparent acridite (SICURPLEX) treated for UV-A rays.
Splitting system	selector with key to turn on face section, body section or both

DECLARATION OF COMPLIANCE
WITH EU SAFETY STANDARDS AND DIRECTIVES

The manufacturer:

I.SO Italia S.p.A.
Via G. Di Vittorio n° 30
30029 S. Stino di Livenza (VE) - ITALY
The President, under his personal liability,

DECLARES

herewith that the Model Matrix **L33ER** (electrical apparatus for skin treatments with UV rays.):

- complies with the requirements of EU directives, including the most recent modifications, and with Italian legislation implementing said directives:

DIRECTIVE 89/336 / EEC - ELECTROMAGNETIC COMPATIBILITY
Council Directive of 3 May 1989 on the approximation of the laws of the Member States relating to electromagnetic compatibility (89/336/EEC).
Amended by:
DIRECTIVE 91/263/EEC Council Directive of 29 APRIL 1991
DIRECTIVE 92/31/EEC Council Directive of 28 APRIL 1992
DIRECTIVE 93/68/EEC Council Directive of 22 JULY 1993

DIRECTIVE 2006/95/ EEC – VOLTAGE LIMITS
Council Directive of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits
Amended by:
DIRECTIVE 93/68/EEC Council Directive 93/68/EEC of 22 July 1993.

- the CE mark has been applied in compliance with the aforesaid directives.

N.B.: Compliance with this apparatus refers to installation in suitable locations equipped with an electrical system in compliance with applicable safety standards. In addition, the procedures of assembly, installation and use must be those indicated in the documentation accompanying the apparatus.

S. Stino di Livenza (VE), 2007

The President of I.SO Italia S.p.A.
(Sig. Lino Zonta)

AUTORIZATION TO MARK

This autorizes the application of the Certification Marks shown below to the product Covered (also to the multiple listee model identified on the correlation page of the Listing Report where applicable)
when made in accordance with the description and under the conditions set forth in the Certification Agreement and Listing Report:

Applicant: I.SO ITALIA S.p.A.
Via G. Di Vittorio, 30
30029 San Stino di Livenza (VE)
Italy

Manufacturer: Same as applicant

Party Authorized To Apply Mark: Same as Manufacturer

Report Issuing Office: INTERTEK ETL Semko Campoformido (Udine), ITALY

Report No.: I0607008

Product Covered: • L33 ER

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Description: Permanent connected Ultra-violet tanning bed and booth.

Standard(s): Standard for Safety Portable Sun/Heat Lamps, UL 482, Issue: 2005/09/02 Ed: 9
Radiant Heaters and Infrared and Ultraviolet Lamp Assemblies for Cosmetic or Hygienic Purposes in Nonmedical Applications General Instruction No 1-2 (R2004), CSA C22.2 No. 224, Issue: 1989/09/01

Authorized by: _____ **Date:** 24 January 2007
Gunilla Lindström for William T. Starr,
Certification Manager

Control Number: 3094934

This document supersedes all previous Authorizations to Mark for the noted Report number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

SD 16.3.10a (1/20/05) Mandatory

FDA Owner / Operator Number : 9087049

GENERAL INFORMATION AND SAFETY PRECAUTIONS

CAUTION!!!

- **ONLY TECHNICIANS TRAINED AND AUTHORIZED BY I.SO ITALIA MAY CARRY OUT THE COMPLEX OPERATIONS OF UNPACKING, ASSEMBLY, INSTALLATION, SETTING UP AND REPAIR.**
- **THIS APPARATUS IS NOT ELECTRICAL MEDICAL EQUIPMENT, BUT IS AN ELECTRICAL APPARATUS FOR BEAUTY TREATMENTS, INTENDED FOR USE EXCLUSIVELY BY PROFESSIONAL BEAUTICIANS FOR THE SOLE PURPOSE OF TANNING HEALTHY USERS.**
- **BEAUTICIANS MUST HAVE AN ADEQUATE KNOWLEDGE OF ALL THE RISKS INVOLVED IN THE USE OF THIS APPARATUS AND MUST TAKE ALL NECESSARY PRECAUTIONS, ADOPTING SPECIFIC INTERNAL SAFETY PROCEDURES.**

THIS APPARATUS MUST BE CONNECTED TO A GROUND/EARTH SYSTEM.

READ THIS MANUAL BEFORE INSTALLING THE APPARATUS.

− Obey all warnings and follow all instructions given both in this manual and on the exterior of the apparatus.
− Position the apparatus on a stable horizontal surface strong enough to support the load, consisting in the weight of the apparatus itself and the weight of the user being treated.
− Ensure that there is sufficient space around the apparatus for the circulation of air (see page 21).
− Do not use the apparatus near water, and take care not to spill liquids onto any part of the apparatus.
− The apparatus must be installed away from heat sources.
− Avoid locations that are damp, dusty or subject to rapid temperature changes.
− Before cleaning or disinfecting the apparatus, turn off the main switch to disconnect it from the mains power supply.
− Check that the voltage of the mains power supply corresponds to the power supply requirements indicated by the data plate of the apparatus.
− The electrical system to which the apparatus is to be connected with a fixed connection or a cable and plug must be connected to a protective ground earth system. The entire electrical system must be installed by qualified and authorized technicians in compliance with applicable legislation and standards (in Italy Law 46/90 and CEI Standard 64-4 - “Safety standards for electrical systems in premises for medical use” and CEI Standard 64-8 section 710 - particular environments and applications are applicable).
− In case of any doubts what so ever, consult the installation and maintenance service responsible for the electrical supply system.
− Never use adapters, trailing sockets or extension cables to connect the apparatus to the electrical system.
− If the power cable supplied with the apparatus is damaged and needs to be changed, it must be replaced with an identical cable. This operation must be carried out only by technicians trained and authorized by I.SO Italia S.p.A. In case of doubts, consult the manufacturer or supplier.
Place the panel with the main switch in an easily accessible location. Position the power cable so as to prevent it from being trodden on.
− The apparatus is electrilly protected indicated in chart “Electrical protection device” on page 5 of the technical characteristics if you need upper bypass currents, call the builder
− Location and conditions of use:

1. The apparatus must operate in an environment in which the temperature never exceeds 28–30°C.
2. The environment must have sufficient ventilation.
3. Air intakes of suitable dimensions for the ventilation system of the apparatus must be provided.

− The insertion of foreign bodies into the apparatus through cooling slots can cause malfunctions and create the risk of electric shock and fires.
− Do not carry out any type of technical operation on the apparatus apart from the operations described in this manual.
− Pace-maker wearers must take particular care, as the apparatus could interfere with the correct operation of the pace-maker.
− Operation in the vicinity of a machine for short-wave or microwave therapy or other devices that generate significant electromagnetic interference may cause malfunctions in electronic components of the apparatus, also jeopardising the health of the user being treated.
− Do not replace anti-interference filters with non-original spares or with spares not supplied by I.SO Italia, as these could compromise the electromagnetic compatibility of the apparatus.
− Before every session check the correct operation of all parts and functions of the apparatus.
Do not use the apparatus without protection filters or with broken or non-original filters.
− Changes of positions on the sockets of lamp ballasts, intended to restore the nominal power output, can be made only every 200 hours of operation of the UV lamps; this operation must be carried out **only by technicians trained and authorized** by I.SO Italia.
− UV equipment must not be used for people who suffer sunburn without becoming tanned when exposed to sunlight, by persons who suffer from solar erythema, by children and by persons suffering or who have previously suffered coetaneous neoplasia or are susceptible to this disease.

At an experimental stage, I.SO Italia has adopted further safety measures **(not prescribed by the regulations in force)**, regarding radiation hazards from high pressure lamps:
1. for the new generation appliances : all the filters are fitted with a new electronic device made with an electric circuit that breaks only when there are breaks or cracks. Then a special electronic circuit will automatically stop the tanning machine.
2. for all the other types of appliance: a mechanical micro-switch is positioned in contact with each filter of the face part. This switch comes into action only after complete breaks. Then a special electronic circuit will automatically stop the tanning machine.

However, since the break can occur in various ways (e.g. only in limited zones or with imperceptible cracks, etc.) and as these devices are still at the experimental stage, there is no absolute certainty of their coming into action; in any case they are considered only as a back-up to the checks of the operators.

It is, in any event, always up to the operator to check, before each session, that the filters are perfectly intact and to switch off the appliance immediately if a break or crack, however slight, in the filter is found or if white light is passing, however small the amount. Also it is advisable to inform the client of these problems and explain the most suitable conduct to follow.

- The functioning of the buffer batteries, used for the black-out of the appliance, is to be checked every six months and its replacement is advised every three years; when they have to be disposed of, these components are to be considered special waste, therefore their disposal must follow the established regulations controlling the sector.

- It is advisabe to verify emergency button functioning at least once a mounth.

- When they have to be disposed of, all the lamps of the appliance are to be considered special waste, therefore their disposal must follow the established regulations controlling the sector.

CAUTION: At the end of every daily session of use and when the apparatus is left unattended, turn off the main switch to disconnect the apparatus from the mains power supply.

SPECIFIC SAFETY ADVICE AND WARNINGS

−Ultraviolet radiation can cause injuries to the eyes and skin. Read the instructions carefully. These biological effects depend on the quality and quantity of radiation, and also on the sensitivity of the skin of individual users.
−Persons being treated must always wear specific protective glasses and must not look directly at the radiation source. If unprotected, the eyes can be subject to surface inflammation, and in some cases the retina may be damaged after excessive exposure. Repeated sessions of exposure can cause the formation of cataracts.
−Special precautions are required in the case of extreme sensitivity to ultraviolet rays and when certain drugs or cosmetics are used. It is always advisable to use specific products.

ATTENTION!! ***This apparatus is provided with a hot air extractor. It is an obligation to install the flexible tube for the expulsion before proceeding with the starting of the solarium. The functioning of the apparatus in the absence of the expulsion tube can compromise the safety of the people that find themselves near the extractor. The removal of the extraction tube for technical assistance must be done only when the apparatus is off and in complete absence of ventilation.***

−Before each session it is advisable to remove make-up and contact lenses. It is also advisable to remove all ornaments and other objects (necklaces, bracelets, rings, watches, etc), to avoid uneven tanning and possible injuries caused by altered heat transmission.
−Excessive exposure may burn the skin. Excessively repeated exposure to sunlight or a UV apparatus may cause premature skin ageing, and may also increase the risk of skin cancer. Consult a doctor for further information.
−Perform an additional check on the duration of the session, both beforehand and while in progress, to ensure the correct operation of the timer. If the timer is defective or broken, do not use the solarium. Contact a technician trained and authorized by I.SO Italia S.p.A.
−The following precautions must be taken:
A. remove cosmetics before exposure and do not apply non-specific creams or other products; only creams with a “0” filter rating may be used;
B. refrain from exposure in periods during which drugs that increase sensitivity to ultraviolet radiation are being taken; in case of doubt consult a doctor;
C. do not expose any part of the body more than once a day, and refrain from exposure to sunlight on the same day;
D. follow the instructions for duration, intervals between exposure sessions (see charts on page 12) and the distance from lamps (see page 11);
E. If persistent swelling on the skin, ulcers or red marks are noted, consult a doctor.
−The persons treated must not assume body positions other than those recommended by the manufacturer.
−Do not assume body positions that are unsuitable for the type of solarium.
−Scrupulously follow the recommended exposure program, taking into due consideration exposure times and techniques, intervals between exposure sessions and individual skin sensitivity.
−Allow at least 48 hours to elapse between the first two exposure sessions.
−The recommended exposure time for the first session must not exceed the time indicated in the charts on page 12.
−The number of exposure sessions in one year must not exceed the number indicated in the charts on page 12.
−Use of solarium it will be done by only one person for session

CAUTION: The manufacturer acknowledges its liability for the safety of the apparatus only if modifications, repairs and other technical operations are performed by persons trained and authorized by the manufacturer, working in compliance with the instructions provided by this latter. The manufacturer declines all and any liability whatsoever in the case of failure to respect the instructions given in the sections on General Safety Precautions and Specific Safety Advice and Warnings, and also elsewhere in this manual.

PROCEDURES FOR CORRECT TANNING

1. Before the tanning session ascertain that no drugs which could cause allergic photoreactions have been taken:

CONTRAINDICATED AND PHOTOTOXIC SUBSTANCES	PHOTOALLERGENS
Tetracycline	Abelmosk
Phenothazine	Sulfa drugs
Bergapten	Bithionol
Derivatives of para-aminobenzoic acid	Chlorpromazine
…….	……

If drugs of any kind have been taken, it is always necessary however to seek a medical opinion.

2. Before the tanning session the skin must be clean, without creams or other types of cosmetic products, except for the specific creams supplied by the manufacturer.
3.Take care to distribute specific cosmetic products uniformly, so as to avoid the formation of areas with different tan intensities.
4. In case of particularly light skin (Photo types 1 and 2), particular attention should be given in the first sessions to the zone of the buttocks and breasts.
5. During tanning sessions, the user is advised to avoid static body positions, since the stagnation of blood circulation and the diffusion of tanning rays could produce a tan that is insufficiently uniform.
To obtain the best effects from the concentration of the diffusors, during tanning sessions it is advisable to remain in a central position; it is always advisable to refrain from resting against the plexiglas.
7. With the solariums UV type 4, keep to the following instructions: “Attention! User under medical advice only”.

Description of process

- The tan is obtained in two phases; in the first, UV-B rays form the pigments (granules of melanin), which are subsequently darkened by the UV-A rays, thus producing a tan.
- The presence of pigments varies according to individual skin types, and the response of each user to the tanning session is therefore different.

Exposure time of subject treated to UV rays.

- As can be seen from Chart 1, a certain correlation exists between skin type and the color of hair, eyes and non-exposed skin. These properties, which are genetically determined, are examined in the first set of questions. The second set of questions regards personal tanning experience. The final questions allow the recent “UV history” of the subject to be reconstructed. If in fact a tanning program has recently been completed, it is clear that the skin will still contain pigment protection, and will thus be correspondingly thicker. As a result the skin is less sensitive, and the tanning program must consequently be varied.
- Chart 2 indicates the phototype of the subject. Taking the total points obtained from Chart 1 by adding up the points for each reply, the phototype corresponding to the relative range of values is given in the last column.
- Our laboratories, using special equipment and computerized data analysis procedures, have calculated the maximum exposure times recommended for tanning sessions, shown in Charts 3 and 4 . You are strongly advised not to exceed these limits, as the times indicated represent the erythema threshold, not the time recommended for tanning.

Do not take more than three sessions a week, and never more than one session per day.

The exposure times would be referred to the uniform solarium working, that corresponds at three minutes with high pressure lamps and one minute with low pressure lamps. So the skin treatment for the UV rays will start only after the attainment of the uniform solarium working

Chart 1: Intrinsic characteristics for each type relative to skin tanning

Answer these 10 questions to determine your skin type						
Hereditary factors	0	1	2	3	4	Points
1.What color are your eyes?	light blue, light grey, light green	blue, green, grey	light brown	dark brown	brown / dark	
2. What is your natural hair color?	sandy red	blond	light brown/ dark blond	dark brown	black	
3. What is the color of your skin (without tan)?	reddish	very light	light/beige	light/ brown	dark brown	
4. Do you have freckles on untanned skin?	very many	many	not many	only a few	none	
Personal experience	0	1	2	3	4	Points
5. What happens when you are frequently exposed to the sun?	paintful reddening, peeling, blisters	unform sunburn with peeling	sunburn, sometimes with peeling	sunburn only rarely	never sunburnt	
6. How much do you tan?	never or hardly at all	slight tan, light in color	reasonable tan	very easy tan	very quick tan	
7. Do you go brown immediately after sunbathing?	never	hardly ever	sometimes	often	always	
8. How does your face react to sun ?	very sensitive	sensitive	normal	very resistant	no problems	
Your tanning habits	0	1	2	3	4	Points
9. Do you try to tan your whole body?	never	hardly ever	sometimes	often	always	
10.How long ago where you exposed to sun or solarium ?	more than 3 months ago	2-3 months ago	1-2 months ago	less than a month ago	less than 15 days ago	
				Total Points		

Chart 2: Phototype

Total points	skin sensitivity	Skin type
0-7	Very sensitive	Fototype 1
8-16	Sensitive	Fototype 2
17-25	Normal	Fototype 3
25 or over	Very resistant	Fototype 4

The beautician must always respect the instructions given by the manufacturer for the tanning procedures to be used for the various types of subject.

RECOMMENDED EXPOSURE SCHEDULE (IN MINUTES)

SOLARIUM MODEL L33ER/B					
Skin Type	week 1	week 2	week 3	week4	week5
	1st-3rdsession	4th-6thsession	7th-9thsession	10th-12thsession	subsequentsession
I Very fair	we do not recommend tanning for this skin type				
II Fair	3	6	9	11	12
III Medium	3	6	10	12	12
IV Dark	4	9	11	12	12
V Very dark	4	9	11	12	12

MAXIMUM EXPOSURE TIME IS 12 MINUTES

Depending upon skin types, noticeable results occur after 1 or 2 sessions and a favourable tan is experienced after 4 – 6 sessions. Your tan can be maintained with 1 – 2 sessions per week, depending on your skin type.

MINIMUM USE DISTANCE: 5”

Lie on padded bench and lower top section no closer than 5” from the highest point of your body. The use of any other position may result in over exposure. Tanning can begin on a regular basis. An appearance of tanning normally appears after a few exposures and maximizes after four (4) weeks of exposure following the recommended schedule of your skin type. Use the protective eyewear, Super sunnies, whenever the equipment is energized.

INSTRUCTIONS FOR USE
CONTROL PANEL

The control panel has a 4-figure LED display and the following buttons for operating the solarium:

Button A (START)
Press button A (START) to start session.

Button B (STOP)
When button B (STOP) is pressed for two seconds the tanning session is interrupted, and all end-of-session functions are started . Button B (STOP) must be used only if it becomes necessary to interrupt the session before the available time has terminated.

Three buttons C-D-E to choose one of the memorized session times
Before starting the session, using buttons C (time 1) — D (time 2) — E (time 3) one of the three times can be selected. To do this, press one of the three buttons. The display will show the memorized time selected and the corresponding LED indicator will light up.
NB: At the end of every session the solarium returns to time 1.

Two buttons F-G for selection of face/body
After the START. Press the buttons F-G it is now possible to position the Solar Group. At the end of the session, the motor will automatically go to the initial position.
when the led blink show time to change lamps

Two buttons H (-) and I (+) to adjust ventilation and the various parameters that can be set
Use buttons H – I to set the desired flow of air on face and body. The ventilation range is from 0 to 8, and it is adjusted by repeatedly pressing the button, not by holding them down. This operation can also be performed during the period of delayed ventilation.

Led of periodic maintenance R (service)
On the consolle is present led R(service) it is active when maintenance time are spend.

Emergency button (red mushroom)
The emergency button must be used only in case of extreme necessity.
The emergency button immediately shuts down the power supply to the machine, thereby preventing normal end-of-session functions from being completed, and it must be remembered that this may cause damage to components such as lamps, electronic circuit boards, etc.

Headphones socket
Do not leave the plug inserted when the headphones are not being used, as this will prevent sound and messages from being relayed over the loudspeakers.

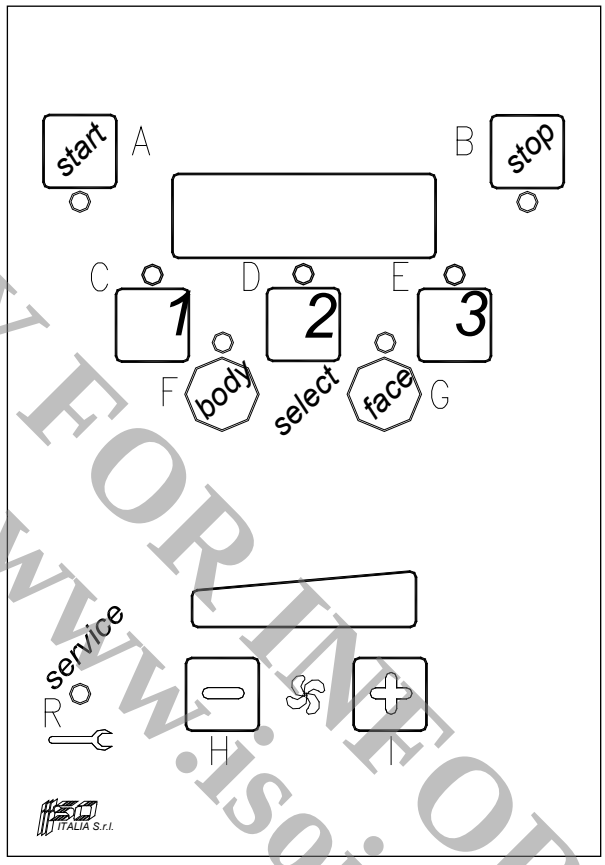
Matrix L33-ER

Button A (START)
Press button A (START) to start session.

Display (TIME)
Indicated selected time, elapsed time and message of service

Button 1 2 3
Selection of exposure times Before starting the session, using buttons C (time 1) D (time 2) E (time 3) one of the three times can be selected

SERVICE
Led of signal periodic maintenance R

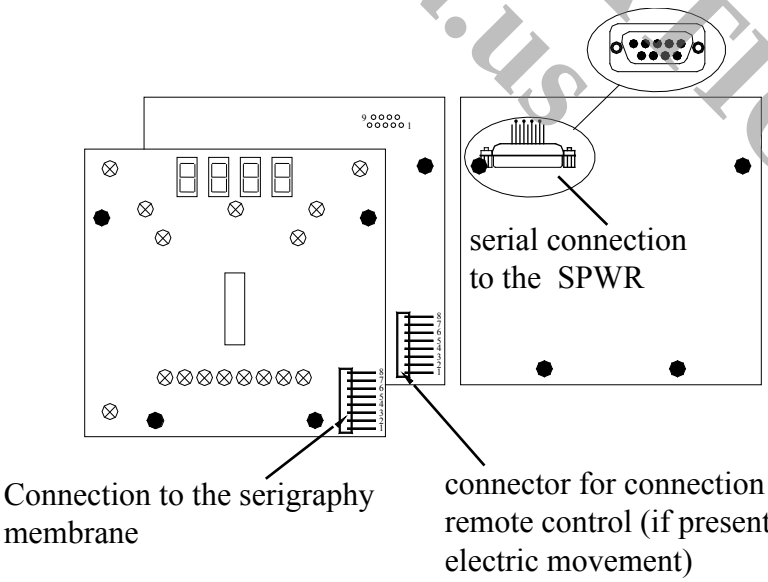


Button B (STOP)
When button B(STOP) is pressed for two seconds the tanning session is interrupted

Selection body(F) face(G)
The buttons used for selecting face and body lamps are F (BODY) and G (FACE), with indicator LEDs, when the led blink show time to change lamps

Ventilation
After the START. With button H–I it possible adjusted regulation air for ventilation face and body

Graphic description STP-MEM consolle board



PROGRAMMING

VIEWING THE DISPLAY

USE OF CONTROLS, MEMORIZATION FUNCTIONS

AND PROGRAMMING FUNCTIONS

INITIAL PROCEDURE

When power is supplied to the panel, the central segments of the four LED displays will light up for a few seconds. A test is then performed on all LEDs (displays and indicators) and finally the solarium is set to the first memorized time with both face and body lamps selected.

To set the various parameters the solarium must be switched on, and the session, the various ventilation phases and/or the raising of the motors must have been fully completed.

Reset procedure 1

With the button **(C)** pressed down and the solarium switched on, all memorized values are reset to the original factory-programmed values. The display will show the message dEF for a few seconds, after which the panel returns to default values.

Key N°1	Modification of the exposure times setting

Setting time 1

Press on succession buttons **(B - A)** to access program (**time 1**). *The LED of button **(C)** will start to flash.* It is now possible to vary the memorized time with buttons **(H-I).**

Setting time 2

Push button **(B)** again to access program (**time 2**). *The LED of button **(D)** will start to flash.* It is now possible to vary the memorized time with buttons **(H-I).**

Setting time 3

Push button **(B)** again to access program (**time 3**). *The LED of button **(E)** will start to flash.* It is now possible to vary the memorized time with buttons **(H-I).**

End of programming phase

Press button **(B)** again to end the programming phase for the three times. Times can range from a minimum of 1 minute to a maximum of 6 minutes. The factory-programmed times are 15, 10 and 5 minutes respectively for times 1, 2 and 3.

Key N°2	Visualization of only one time of exposure on the display.

When button **(C)** (program time 1) is pressed for 10 seconds, only time 1 will be activated.
Selection of the other two times is impeded. Repeat the operation to allow all three times to be selected again.

Key N°3	Reading of hours and n° of starts, accumulated hours , change of lamps and periodic maintenance

Display of number of times switched on

Press on succession buttons **(B - I)**. *The LED of button **(C)** will start to flash*, and the display will show the number of times the apparatus has been switched on (up to a maximum of 9999).

Display of number of operating hours of face lamps

Press button **(B)**. *The LED of button **(D)** will start to flash*, and the display will show the number of hours for which the face lamps have operated (up to a maximum of 9999).

Display of number of operating hours of body lamps

Press button **(B)** again. *The LED of button **(E)** will start to flash*, and the display will show the number of hours for which the body lamps have operated (up to a maximum of 9999).

Display of operating hours accumulated for replacement of face lamps

Press button **(B)** again. *The LED of button **(H)** will start to flash*, and the display will show the number of operating hours accumulated for the replacement of the face lamps (shown on the 4-figure display up to a maximum of 1000). When the hours shown on the 4-figure display exceed the preset time the LED corresponding to the selection of the face lamps (LED of button **F**) will start to flash.

Display of operating hours accumulated for replacement of body lamps

Press button **(B)** again. *The LED of button **(I)** will start to flash*, and the display will show the number of operating hours accumulated for the replacement of the body lamps (shown on the 4-figure display up to a maximum of 1000). When the hours shown on the 4-figure display exceed the preset time the LED corresponding to the selection of the body lamps (LED of button **G**) will start to flash.

Display of operating hours accumulated for periodic maintenance

Press button **(B)** again. *The LED of button (A) will start to flash*, and the display will show the number of operating hours accumulated for periodic maintenance (shown on the 4-figure display up to a maximum of 1000). When the hours shown on the 4-figure display exceed the preset time the LED **R** corresponding to the periodic maintenance symbol will start to flash.

End of programming phase

Press button (**B**) again to close the programming phase. The machine will be set for a new operating cycle.

USE OF TANNING LAMP FUNCTIONS (FACE/BODY IF POSSIBLE TO SELECT)

This function must be enabled only before the session is started.

The buttons used for selecting face and body lamps are F (BODY) and G (FACE), with indicator LEDs, and the key selector (T).

In stand-by status the panel shows the last selection made. In default status both the face and body functions are selected.

Proceed as follows to set functions:

1- Press both buttons F-G. If the message SEL appears on the display proceed with selection. If the message BLOC appears, turn the mechanical key (T) until the message SEL appears.
2- Use buttons F-G to select the new setting desired.
3- To lock the new selection for all subsequent selections, turn the mechanical key and check that the message SEL changes to BLOC.
4- Finally press stop button (B) to exit from the selection program.
5- From point 2 — If the new selection is to be used without locking selection with the mechanical key, press stop button (B) to exit from the selection program.
6- From the moment buttons (F-G) are pressed there are 30 seconds available for making changes. Several changes can be made, but only the final setting is memorized.

MAINTENANCE
CLEANING AND DISINFECTION

CAUTION!: THE OPERATOR MUST SWITCH OFF POWER FROM THE APPARATUS BEFORE CLEANING AND/OR DISINFECTING THE MACHINE.

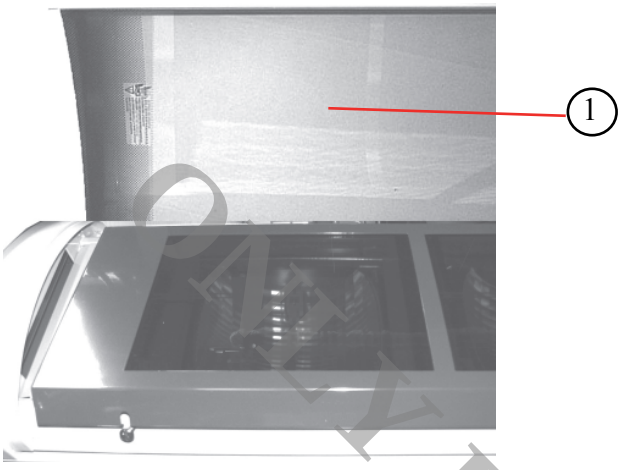
The filters must be cleaned periodically by the operator (about every 30 hours of operation) with water or glass detergent, after having carefully followed the indications given by technicians trained and authorized by I.SO. Italia. During cleaning operations it is essential to take the greatest care to **avoid touching the lamps** with the naked hands. If this does occur, clean the lamps touched with a cloth soaked in denatured ethyl alcohol. Also take great care to avoid exchanging the filters, and ensure that filters are correctly repositioned, preventing white light from escaping.
The protective plexiglas panels of both the high-pressure lamps and the low pressure neon tubes, the synthetic leather upholstery of the mattress or armchairs and the thermoformed plastic or polyurethane components of the tanning machine can be cleaned with soap and water or specific products. Take care however to avoid the use of alcohol-based products.

	CHECKING AND MAINTENANCE PROCEDURES
1	Every day the operator must check that cooling fans function correctly, that they expel air at a constant rate and that no abnormal noises are produced.
2	Before every session the operator must check protection filters for possible damage, also ensuring that no white light escapes in the direction of the lamps.In this case, switch off the machine at once and immediately contact the authorized technician for the replacement of the broken filter.
3	The operator must warn the user not to obstruct ventilation grilles with objects and/or clothes.
4	At the end of the session the operator must allow the apparatus to complete the ventilation cycle for cooling of the lamps, which lasts 3–6 minutes according to the model.The solarium is fitted with a timer for residual ventilation. Should this ventilation cycle fail to be activated, contact the technician authorized by I.SO. Italia S.p.A.
5	The operator must warn the user to touch neither the blue filters nor the lamps themselves with the naked hands.If contact with the hands occurs, the filters and lamps must be carefully cleaned with a specific product or with alcohol, spraying it onto a cloth and then wiping only the external surface of the lamp and of the blue filter.
6	The filters and protective glass panels can be cleaned with any glass detergent.
7	The plexiglas (SICURPLEX) panels giving external protection can be cleaned with specific products. They must NEVER be cleaned with alcohol-based products.
8	Do not look directly at any type of white light given off by the apparatus or from one of its openings.
9	The operator (Caution!! Has the power supply to the apparatus been switched off first?) must periodically lubricate and grease the mechanical components that are part of the movement mechanisms for the backrest and face lamp units, using lubricating oil or grease.The most important parts to be lubricated on the face lamp units are the sliding carriages and the backrest hinges. Access can be easily obtained to these parts by removing protection covers and the base sections of seats. The lubricating points on tanning beds are located mainly on the rotation shafts of the main movement mechanisms, where to facilitate lubrication operations specific grease nipples have been fitted. Access to these points is generally obtained by removing the rear protection covers.
10	Check the air filters regularly so that air is able to flow correctly to the turbines at all times, for cooling the lamps and for the operation of the optional air conditioners.
11	Once a month control the functioning of the emergency button and the automatic return of the motors (where present)
12	Since various tan products' combinings (oil, cream, etc.), that should be used during tanning sessions, where, in association with UV rays, could cause unknown effects on the plexiglass and on the halfleather, I.So Italia invites all costumer to use protections everytime on the people support area: - film prepared for uv rays with plexiglass, - paper roll or towel with halfleather mattress.

IMPORTANT:
The requested periodic controls during the first year of guaranty must be done every 500 hours of working time, or at least every 6 months. The periodic controls after the first year are advised every 500 hours of working time or at least once a year.
For optimum yield of the of the apparatus, the UV-A ray emission should be measured by an authorized technician using a specific instrument (at least every 300 hours of operation).It is advisable to replace the plexiglas every 400 hours of operation. If impairment is noted earlier than this, check the correct operation of the ventilation system and the conditions of filters or glass panels.It is advisable to replace the tanning lamps after about 400 hours of operation, and the neon tubes after about 600 hours of operation, using only original replacements.These maintenance operations must be carried out by technicians trained and authorized by I.SO Italia

FILTER MAINTENANCE
CLEANING AND DISINFECTIONS

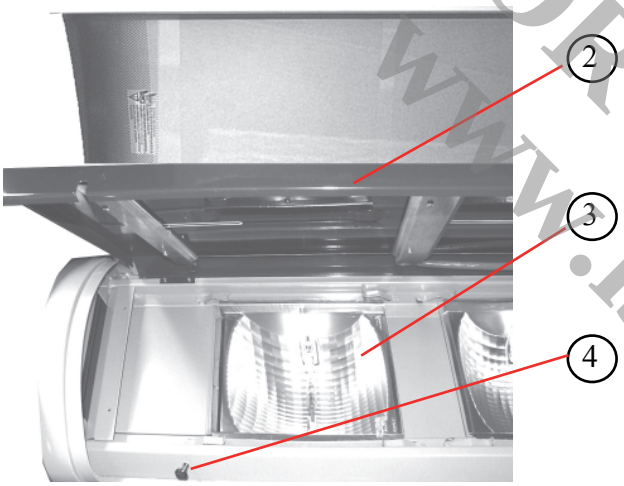
Fig 1



Access to the internal parts,such as filters and lamps is very easy.
You must open the side in plexyglass clicked closed using the appropriate accessory given with the machine, from the side vhere there are not any hinges.

(1) Plexiglas

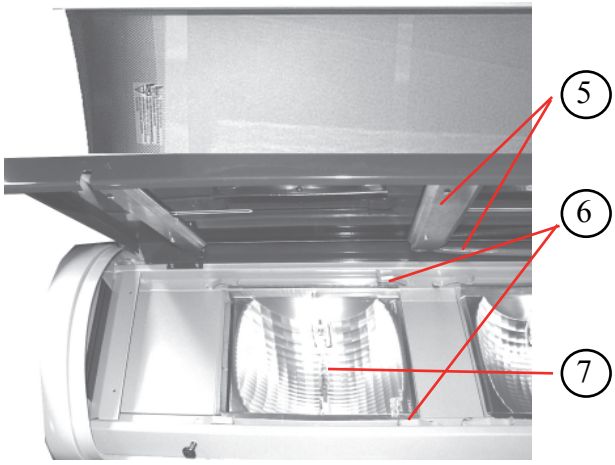
Fig 2



Now it is sufficient to un screw the screw (without taking them out completely) which fixes the side with the blue filters to be able to access to the transparent glass and then the lamps.
At this point you are able to do the cleaning operations, the maintenance and the substicyion of the lamps.

(2) Blue filter door
(3) Transparent filter
(4) Fixing screw

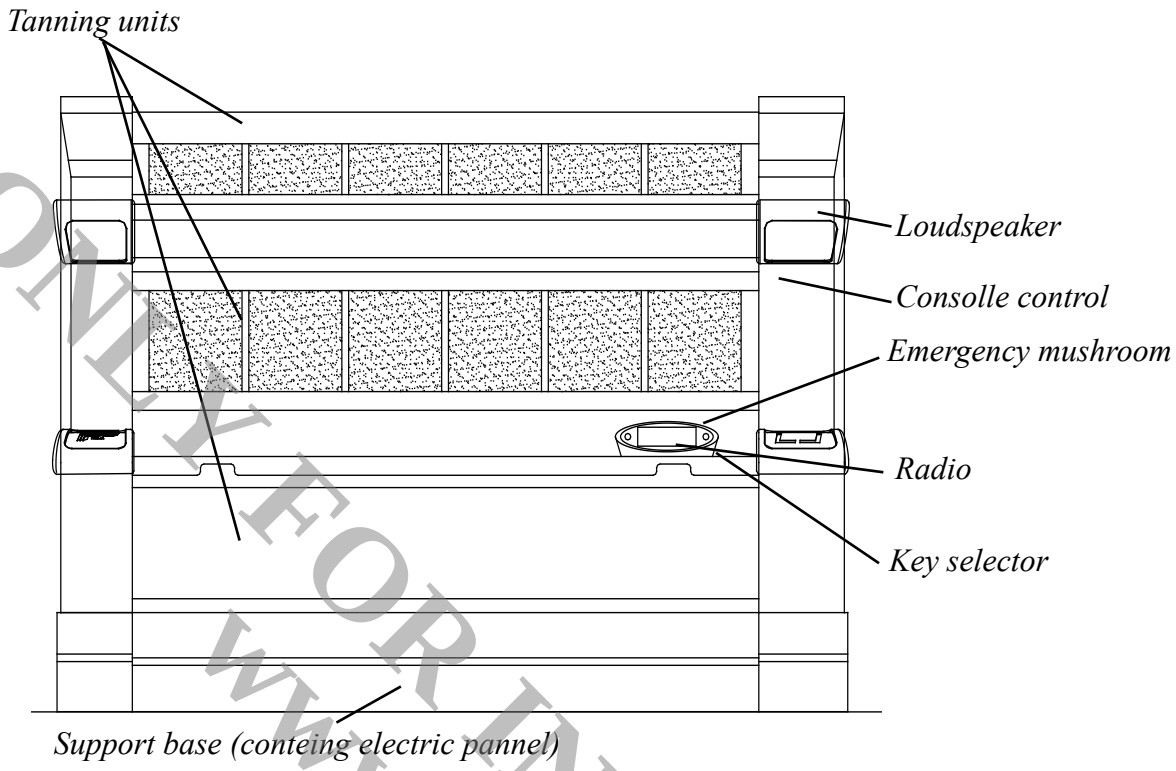
Fig 3

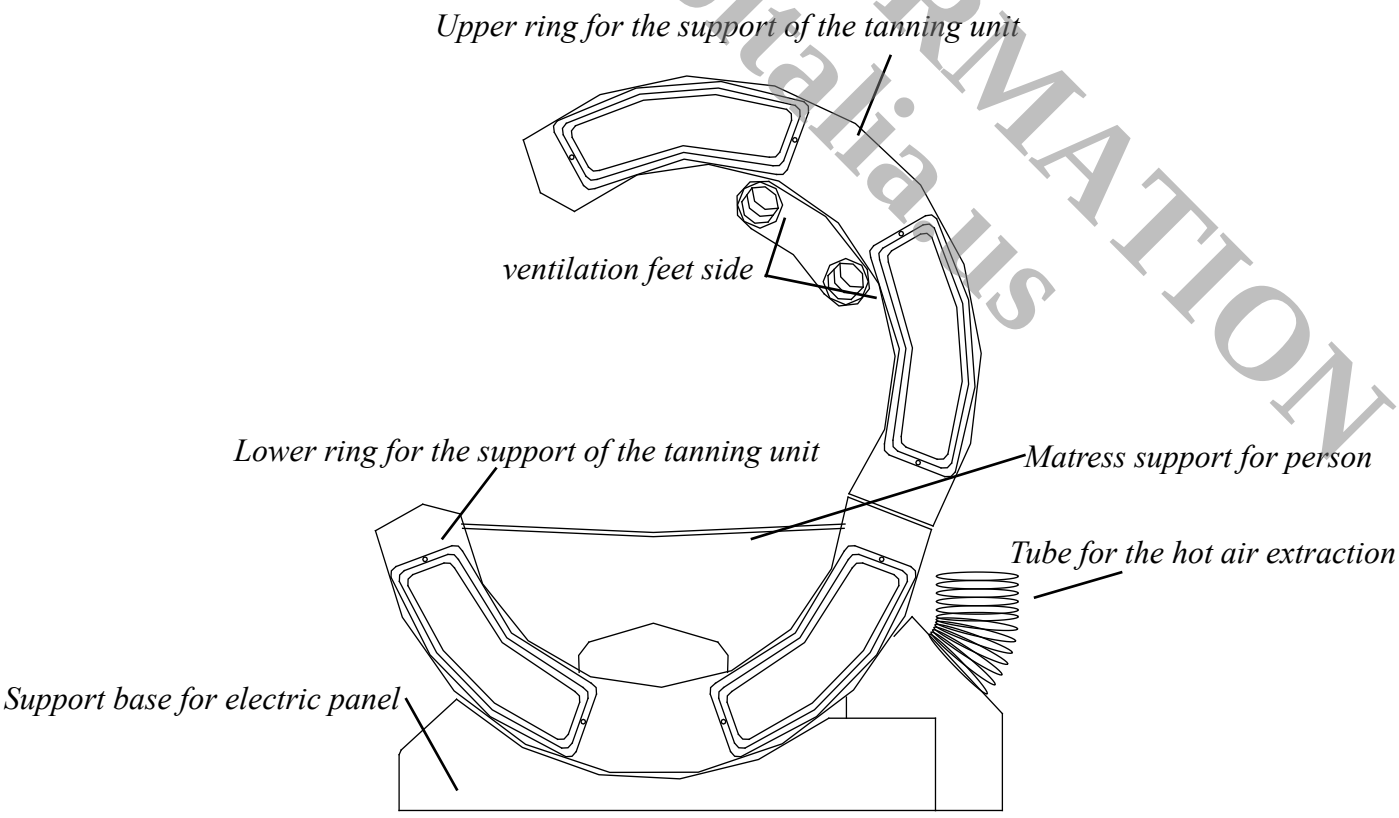


To remove the trasparent filter you must turn the spring support and slip out the glass,see the picture. Cleaning the reflector be carefull not to touch the lamps with the hands.

NB: During the maintenance and cleaning pay attenction not to move the filters from the place ,because even a minimum movement could cause the interruption of the control circuit.

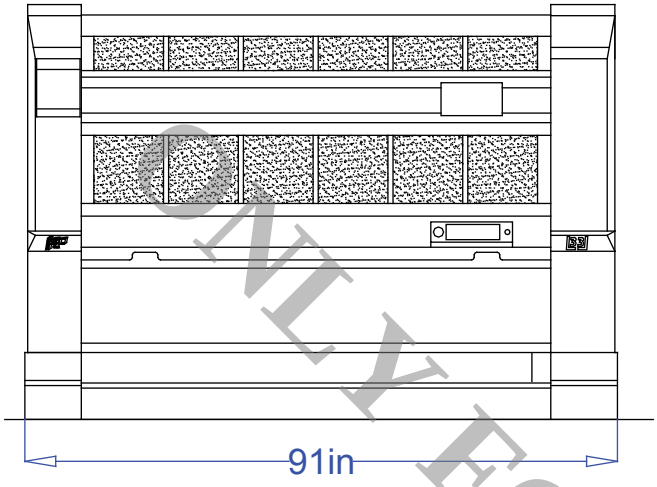
(5) Control circuit
(6) Support springs
(7) lamp

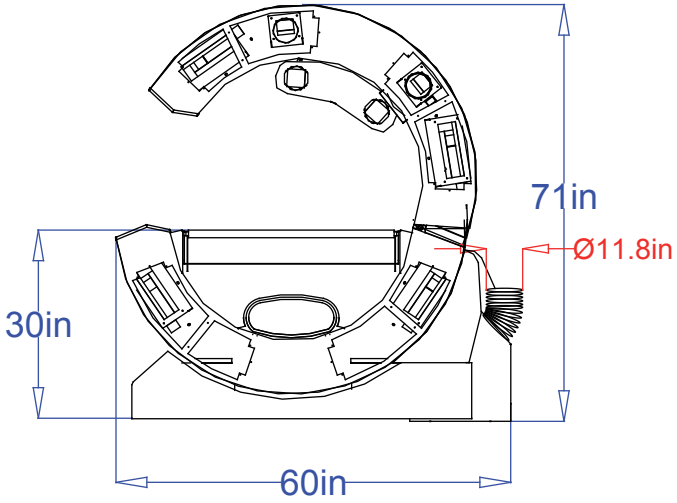


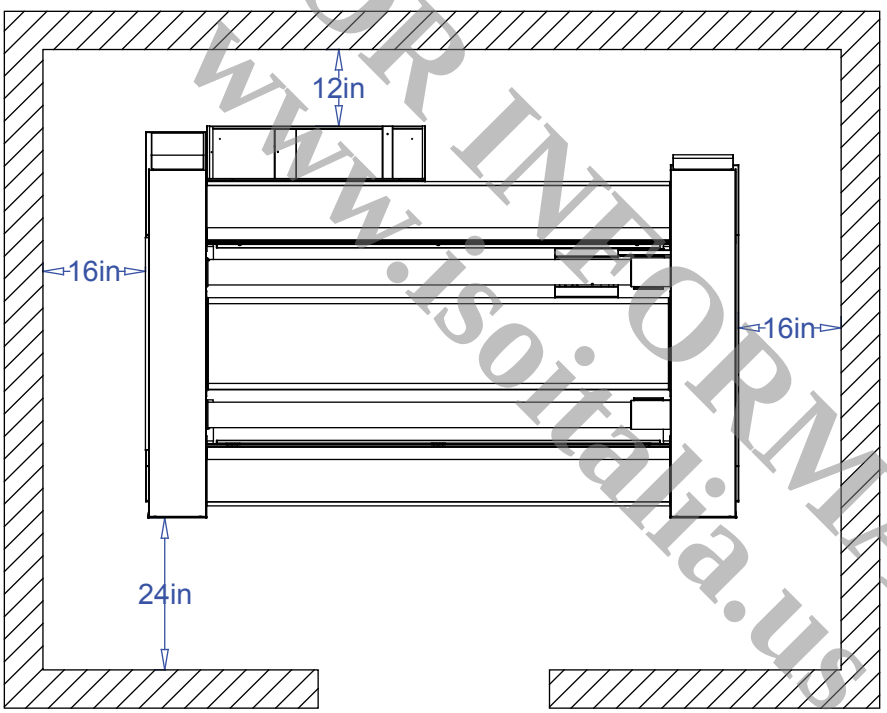


Matrix L33-ER

OVERALL DIMENSIONS[1]







TECHNICAL DATA

N° 1 flexible Tube each Ø11,8in (30cm) and lengths 118in (3mt)

Hot air expelled : 4840ya³/h (3700m³/h)

Weight of the solarium approximately 1940lb (880kg)

Sufficient exchange of air must be ensured in the room to compensate for the air expelled.

Environment temperature must be less than 86°F (30°C).

N.B.The instalation of the extraction tube is obligatory

The macchine is autonomous for the expulsion of the air, on the condition the expulsion channel (including the tube that is given with the macchine) must not be longer than 118in and that is has not got more than one bend of 90°.

[1]NB: the measurements of the air were done in standard conditions: the instrument was at the end of the air expulsion tube that was 3 meters long, on every tube there was only one bend of 90°. Room temperature 30°C.

INSTRUCTIONS FOR ASSEMBLING THE APPARATUS

(Section intended solely for technicians trained and authorised by I.SO Italia S.p.A.)

General guidelines

To assemble the tanning machine, keep in mind its main components (see fig. 1).
The structure is divided mainly into:

1. Solar panel support ring and foot end base
2. Solar panel support ring and head end base
3. Solar panels

The solar panels are marked A - B - C, each one contains 6 lamps which are located in the upper part of the tanning machine, and D - E - F each one contains 5 lamps which are located in the lower part of the solarium.
In the solar panels A - B - C the first two lamps located in the head panel constitute the facial part and can work separately from the rest of the machine.

FRONT VIEW

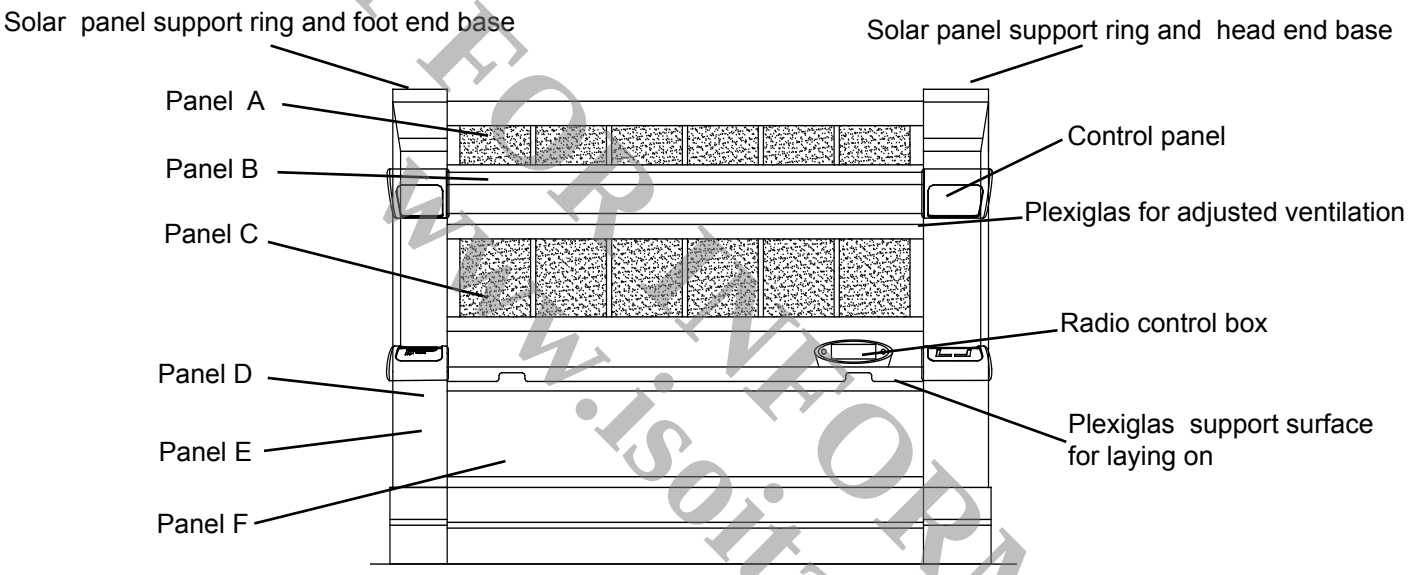


Fig. 1

VIEW FROM HEAD END

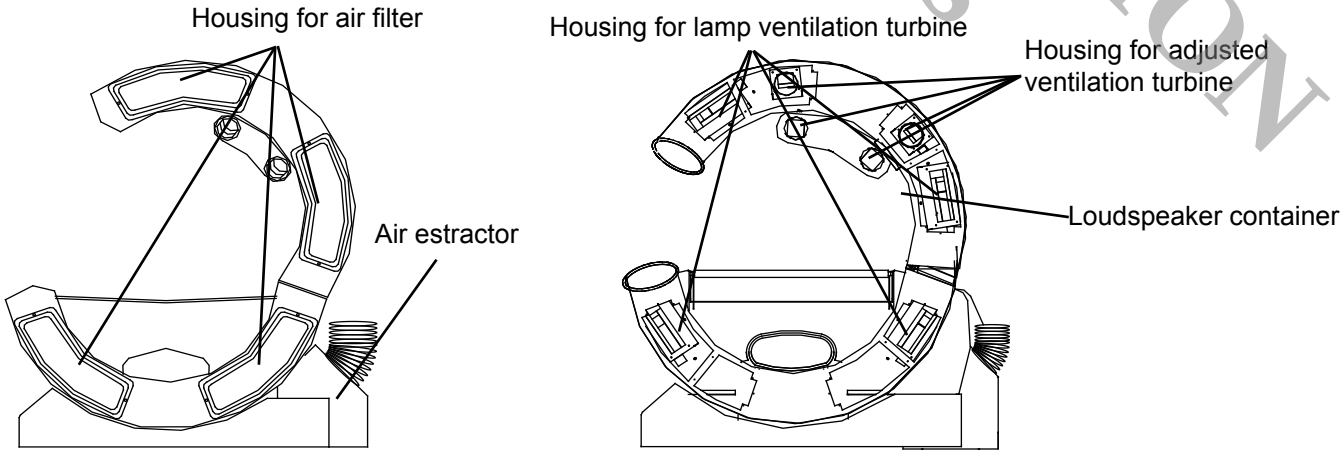


Fig. 2

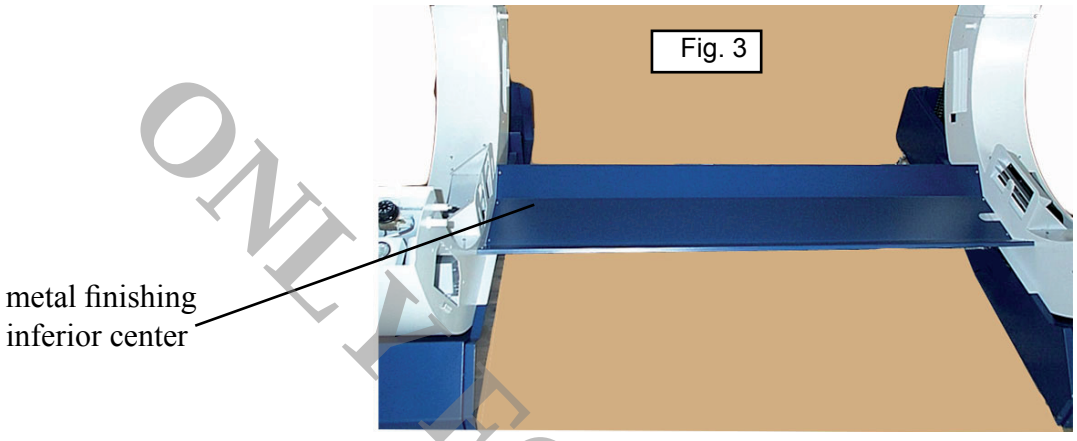
ASSEMBLY PHASES

1) Positioning of the solarium

Position the support base of the solar group, which consists of the two semi-circles, on the floor at the given distances from the walls indicated on pg. 19.

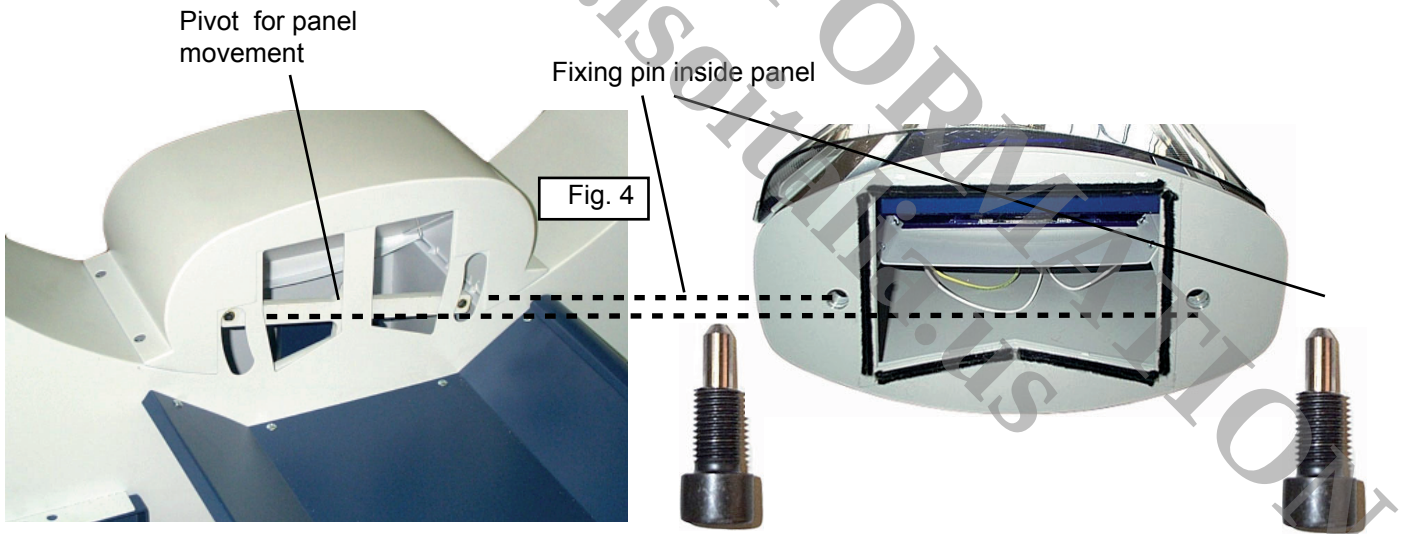
After having installed the two solar groups D and E as indicated above fix the metal finishing in the center of the two rings on the inferior part, (fig 3) before positing the solar group E

N.B.: *Ensure that the floor is able to support the weight of the solarium and is perfectly level.*



2) Fitting the central horizontally pivoted solar groups upper and lower parts PB/PE

Before fitting the lower solar group PE (lower panel with 5 lamps) ensure that the two pins, (see fig. 4) situated at the extremities of the foot end, are unscrewed from the inside (opening in sequence the Plexiglas door and then removing the first reflector towards the foot end), so as to reduce to a minimum the lenght of the panel.



After this insert the pin at the head end, (see fig. n° 5), ensuring that the nylon bush has already been inserted into the pivot, in the hole situated on the lower support ring; then align the two pin pivos at the foot end with the holes on the balance rail and secure them with screw, from the inner side, so as to complete the mechanical fixing of the panel.

Fig. 5

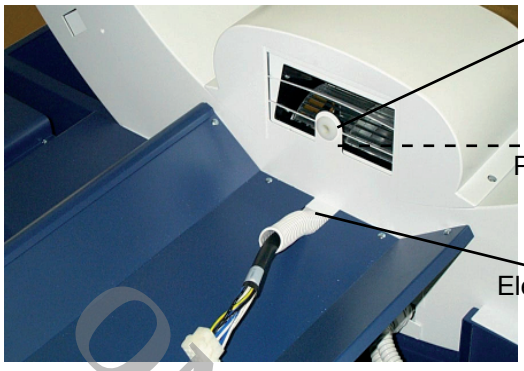
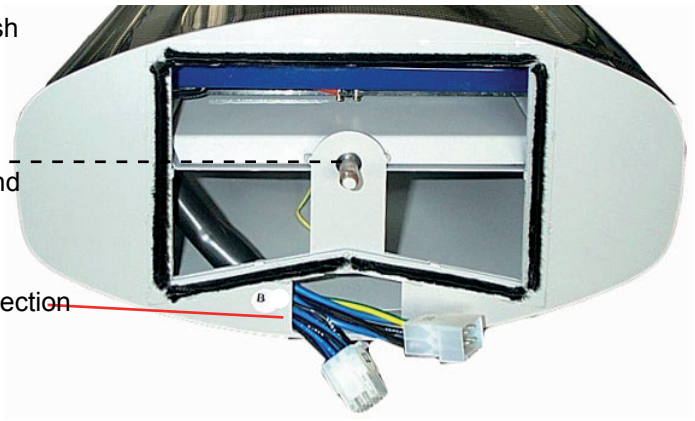


Fig. 6



The electrical connection of the inferior solar group is carried out from the head end by inserting the connector, which is situated under the solar group, into the opening under the solar group itself; link the corresponding connectors on the inner side ensuring that they are fixed to the oval wall to keep them as far from the reflector as possible. The same procedure as above must be followed when the fitting the upper central solar group PB (upper panel with 6 lamps) the only difference being the power lead of the soalr group which, in this case passes through the inside of it.

3) Fitting the fixed solar groups PA/PC PD/PF

After having fixed the two horinzontally pivoted solar groups and the handle proceed with the fitting og the other solar groups PA/PC (upper panel with 6 lamps) PD/PF (lover pannel with 5 lamps) which will be fixed to the oval extremities of the solar rings by four screws.

The electrical connections must be carried out the same way as for the first two soalr groups passing through the appropriate holes towards the head making sure to secure the cables on the inside so that they do not touch the lamp reflector.

In order to position correctly the above mentioned solar groups it is necessary to refer to the numbering and lettering of the electrical fo relectrical connections.

N.B In some panels there are smaller leads that come out at the foot end, these will be used to link other parts such as turbines, motors etc., the passage and connection is similar to that of the head end.

Fig. 7

View from foot end

View from head end

Hole for passing the connectors through for the electrical connections.

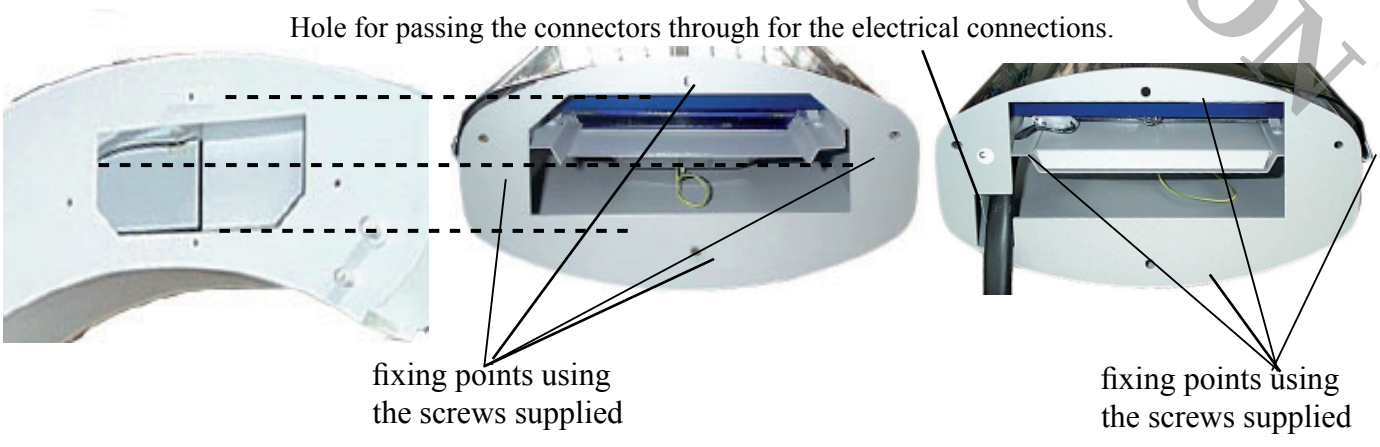


Fig. 8

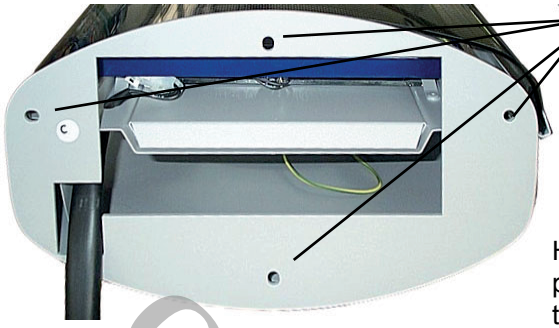
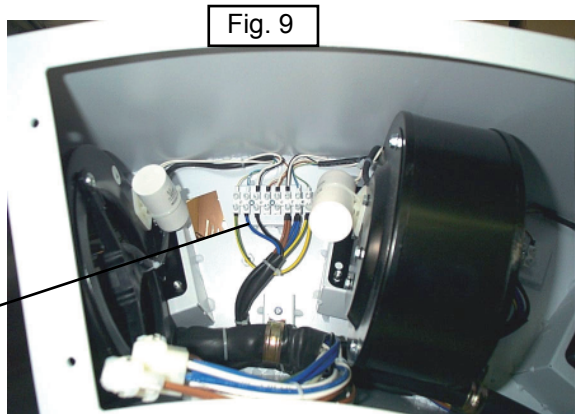


Fig. 9



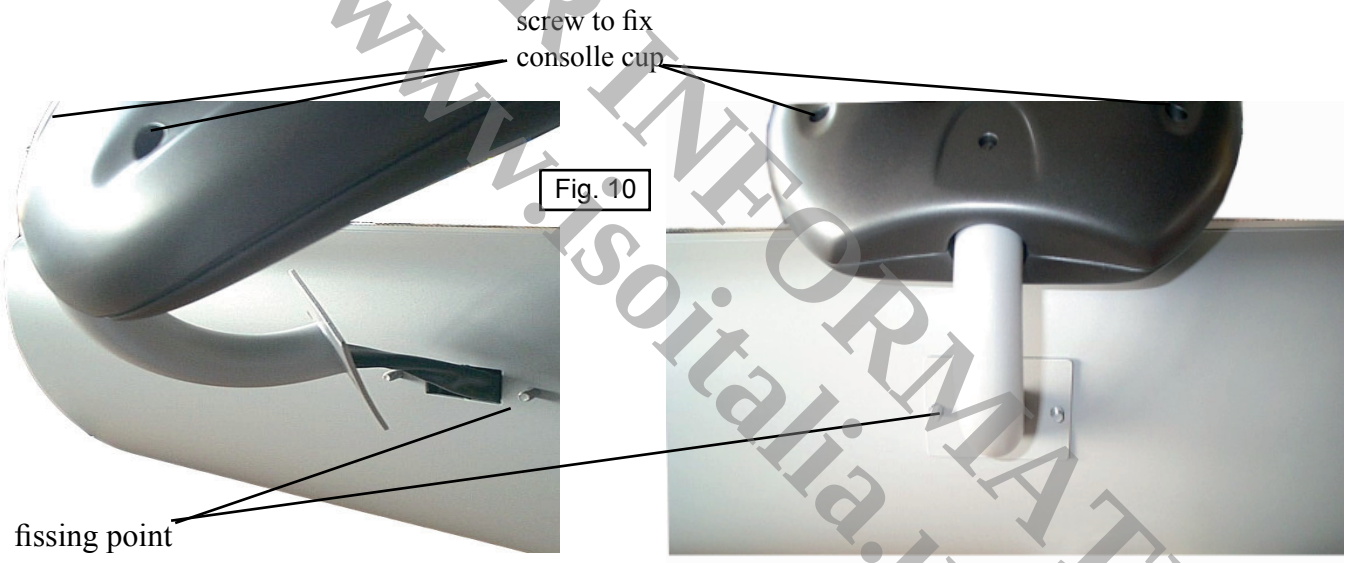
4) Fitting the upper handle

The upper handle must be fixed to the extremities of the two upper rings with two m8 screws, on the inner side of the ring. Access to the inner part of the rings is possible by removing the lids that shut the extremities of the rings.

5) Fitting of the radio console

The radio console must be fitted on the back of panel PD at the head end through the two cup nuts situated beside the support stand. The electrical connection panel PD is done by joining the connectors them to the corresponding ones on the inside of the panel. Access to the inside for checks and maintenance is possible by lifting the through lid which is situated on the back of the console and fixed by two screws.

Fig. 10



The button for the led control is on the cover of the radio console.
By pushing the button the led test is started and they will be on for 60 sec.

6) Positioning of the reactances boxes and electrical panel

Place the three reactance boxes and the electrical panel on the floor starting from the foot end with n° 3 box then n° 2 and then n° 1 then place the electrical panel beside them. The boxes must be positioned as close as possible to the foot end in order to leave space at the head end for the through passage of the connecting cables. The boxes are supported by wheels movement easier.

All the connections mut strictly follow the numbering of the connectors.

Fig. 11

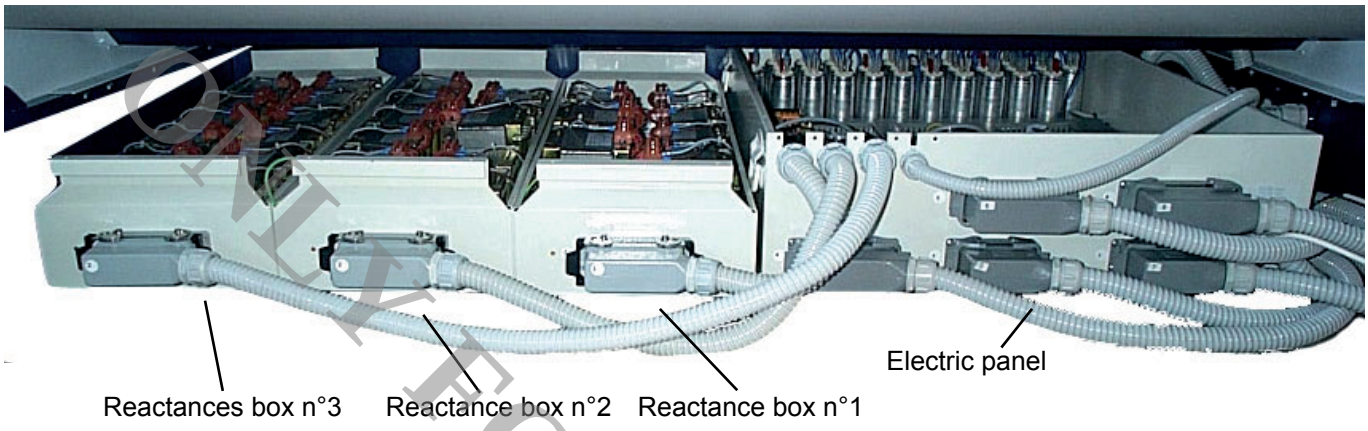
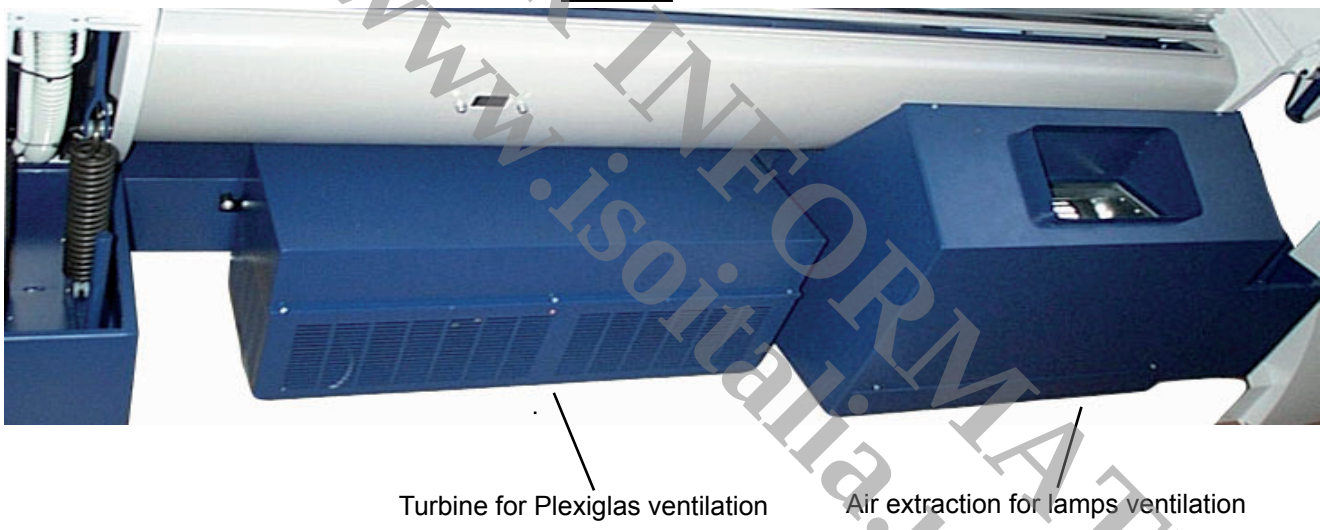


Fig. 12



7) Fitting of the cover panel and positioning of the extraction and ventilation boxes.

After having fitted all the panels it is necessary to fit the back and front cover panels. Having previously ensured that the power supply lead comes out from the rear of the head end all the other internal leads which connect the rest of the machine.

Then place as shown on the diagram at the back of the machine the hot air extractor turbine box (fixing it with the supplied screws from the inner side) and the Plexiglas box with the Plexiglas ventilation turbine making sure to connect all the electrical parts.

NB: Failure to carry out the electrical connections will seriously jeopardize the correct working of the solarium

To the box for the extraction of hot air must be connected to the expulsion pipes supplied, their lenght must not exceed three metres and they must be put down as straight as possible (at the most with a bend of 90°). If a longer amount of extraction pipe is needed then it is necessary to fix a supplementary extractor with a suitable flow capacity.

8) Fitting of the command console

The command console must be fitted to the structure by inserting the prop into the welded support on the structure in order to make the holes for the fixing pivot match; the fixing pin allows the console to rotate making checking and maintenance easier to carry out; in this first stage much attention must be paid to the feeding through of the connection leads and to the electronic circuit which must be inserted beside the latch which is situated on the inner side of the support arm, fixing them with the central tabs. There is a mechanical safety release device on the clamp of the console which is on the back of the prop; a nylon washer which must be rotated over the welded support in order to ensure the fitting of the console in the correct position for use.

9) Fitting of turbines for regulated ventilation at foot end

Place the accessory containing the turbines for regulated ventilation at the foot end on the four pivots situated on the upper ring and tighten the grub screws in order to fix the accessory to the structure.
NB: Before fixing check the electrical connection.

10) Fitting of Plexiglas tubes for body ventilation

Insert the Plexiglas tube on the foot end, paying attention that the OR, which is a packing, has been just inserted, then pull the tube towards the head end, make sure that the OR has been positioned correctly, so as to be able to screw the dowel in its place on the Plexiglas tube (the dowel must be screw form the inner side of the support ring). The same procedure is followed for both tubes.

11) Fitting of the Plexiglas

The Plexiglas must be fitted onto the carrying frame which will in turn be placed on the 4 support pivots. The angled grooves on the 4 points of support of the structure assure perfect anchorage to the structure.
To remove, it is sufficient to lift the Plexiglas slightly at the front then slide it off the back support pivots; to make cleaning and maintenance of the lower solar groups easier the Plexiglas top has two rods, which are fitted to the two side supports, which will hold it up if it must remain open.

12) Filter cleaning and lamp changing

Access to the internal prts such as filters and lamps is very easy; the Plexiglas door snaps shut so it is sufficient to pull on it on the side where it is free of hinges in order to open it, after which it is sufficient to turn the screws that fix the door of the Blue filters to access to temperated filters and after to the lamps, at this point it is possible to carry out cleaning, maintenance and changing of the lamps.
NB: During maintenance and cleaning it is very important not to move the filters from their fittings as this risks setting off the control alarm for broken filters, also the slightest movement may cause the interruption of the control circuit.

13) Mechanical adjustments

The tanning unit of this machine can be manually moved so there are no electrical parts that can cause problems during the movements.

However as weight compensation is regulated by a series of springs, it may be necessary in due course to regulate the levers that adjust the balance.

The balance of the movement can be obtained by following the spring adjustment steps shown in figure 12

Step 1 - Unblock the screw (5)present on the screw regulation support (3) in such a way to avoid damaging the support ,after having annulled the effect of spring (B) once the effect of spring B has been excluded and the clutch screw has been loosened, use the screws that regulate the strength of spring (A) to move the tanning unit towards its maximum height; turn the screws clockwise to load the springs which then exert more force and consequently lift a heavier weight.

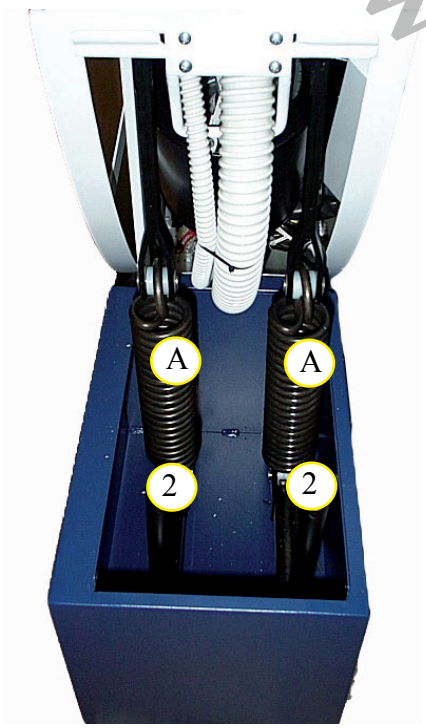
Step 2 - compensate the upward movement of the tanning unit by turning the screw of spring (B) so the movement becomes smooth; at this stage if the tanning unit lifts up too quickly it is necessary to turn screw (B) anti-clockwise; however if the top part tends to come down turn screw (B) clockwise.

Step 3 - if necessary turn the screw indicated as clutch screw to avoid sudden movements

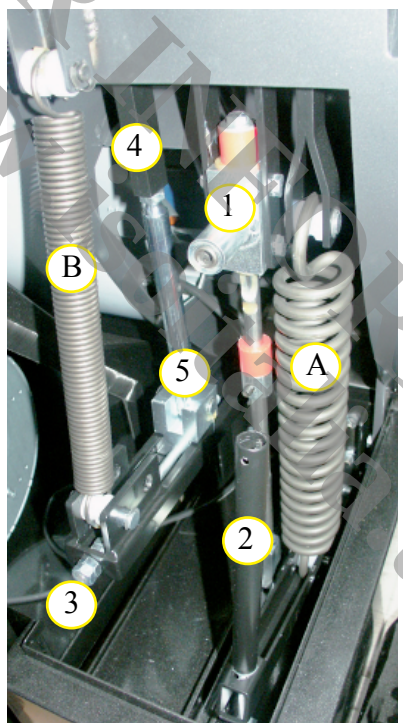
At the same time the fixed limit points(top and bottom) of the movement can be set.

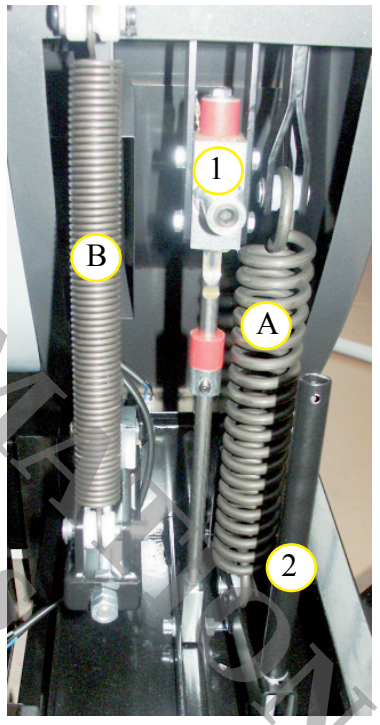
Fig. 12

Mechanism at the head end



Mechanism at the foot end





A Springs A

B Spring B

1 Clutch for smooth movement and for the locking the two stop points

2 Adjuster screws springs A

3 Adjuster screws spring B

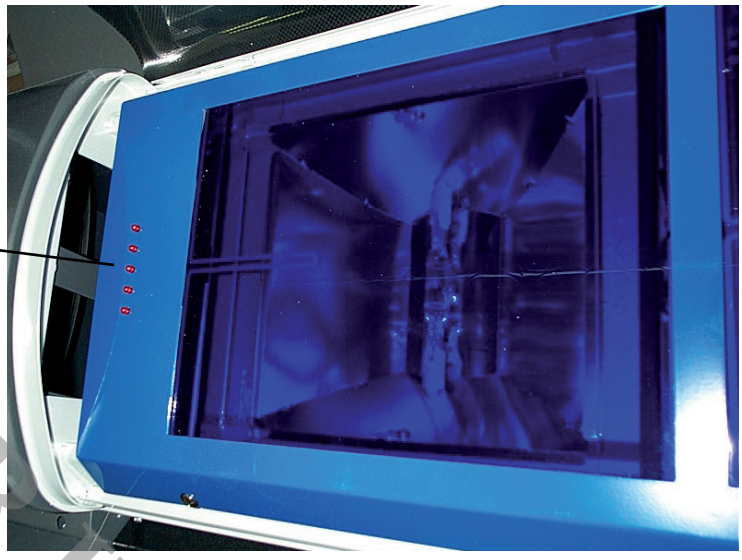
4 Tie rods to stretch spring B at the starting point

5 screw to stop adjuster screw spring B

FILTER BREAKAGE CONTROL LED

A new filter breakage control that permits an immediate discovery of the broken filter, showing the breakage via a led (that corresponds to the lamp) is inserted on the inferior part of the blue filter frame.
This control unit has as many led as lamps inserted in the panel.
The first led from the left corresponds to the highest filter (facial end) of the panel; the last led to the right corresponds to the lowest filter (foot end).

Signalling led of broken filter



The functions of the control system foresee:

1)The possibility to identify visually via the lighting of the led, the damaging of each filter connected to the control system.

2) The possibility to do a verification test of the correct functioning of the control leds to check that all the components are in good conditions. The test is started via a button situated on the radio consol and is active for 60sec during which one has the possibility of controlling the efficiency of all the leds that in this time span light.

Test led button: permits to verify the correct functioning of the leds.
Pushing the button the leds light for 60sec

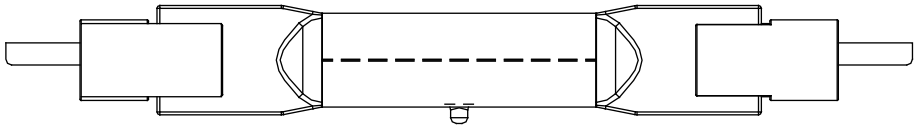
SOLVING PROBLEMS

PROBLEM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
White light escaping from lamps	Broken filter	Replace filter (*);.
	Filter not correctly positioned	Check correct filter position
Display offSolarium off	Power failure	Check secondary and main switches;
	Blown fuse	Change fuse.
Decrease in tanning powerLamp does not tan	Deposits and/or dust on filters, glass or acrylic	Clean parts as instructed;
	Lamps/tubes too old	Check that number of operating hours of lamps/tubes is not over recommended duration.
One or more lamps off	Blown fuse	Change fuse (*);
	One or more broken lamps	Replace lamps (*);
	Ignitor malfunction	Replace ignitor (*);
	Loose terminals	Check cable connections(*).
Premature aging of acrylic	Defect or malfunction of lamp ventilation fans	Check that air intakes are unobstructed (*);
	Broken filter	Replace broken filter (*);
	Filter not correctly positioned	Check correct filter position.
Main switch trips	Electrical system overload	Contact technician.
Token unit malfunction	Jammed token	Check for presence of objects in slot.
Radio malfunction	Poor reception: Is headphone socket inserted?	Extract aerial;Remove socket;
Control panel malfunction	Incorrect operation or panel defect	Carry out reset procedures (see specific instructions)
Filter Alarm Visualization FLT 1-2-3-4	Broken Filter or defect serigraphy	Substitution filter (*);
	Filter not in his right position respect to the el. contact	Verify if the filter is in right position
Fan Alarm Visualization FAN 1-2	Disconnected supply connector of ventilation	Re-assemble connector (*);
	Broken Fuse of vent. protection	Substitution fuse (*);
	defect supply	Substitution card (*);
Thermic Alarm Visualization TER	Fun locking	Verify supply voltage (*);
	Obstruction expulsion channel	Release air channel (*);
	Obstruction aspiration channel	Verify cleanliness for the air filters (*);
Water conditioner level alarm visualization	Full box	Empty box
High pressure conditioner alarm visualization	Possible obstruction air filters	Clean filters (*)
	Fun cooling locking	Verify or substitution fan
Low pressure conditioner alarm visualization	Gas refrigerant loss	Verify gas circuit and eventual recharging (*)

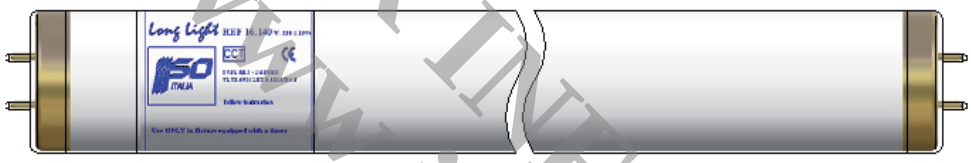
IF THE REMEDIAL ACTION TAKEN FAILS TO RECTIFY THE PROBLEM, CONTACT A TECHNICIAN

(*) Operations marked with an asterisk must be carried out solely by technicians trained and authorized by the manufacturer.

Evolution Light

HIGH PRESSURE				
Codex	Power(W)	Supply Tension(V)	Voltage on lamp (V)	Length (mm)
				
MPI14055	400W	230V	135±10V	148
MPI14063	500W	230V	135±10V	159
MPI14054	650W	230V	135±10V	159
MPI14053	800W	230V	135±10V	159

Long Light

LOW PRESSURE				
Codex	Type	Power (W)	Length (mm)	Diameter (mm)
				
MPI14970	140 FDA	140	1514	38
MPI14971	160 FDA	160	1778	38
MPI14972	180 FDA	180	1999	38

In compliance with the european directives 2002/96/CEE - 2002/95/CEE - 2003/118/CEE and the Italian legislative decree D.LGS. n.151/05 D.LGS. n.22/97 - D.LGS n.389/97 - D.LGS n.426/98 , the lamps used should be treated as special waste as they correspond to European waste code 20 01 21. Anyone deciding to dispose of this waste him or her must do so in full respect of all existing applicable legislation.

WARNING FOR LAMP REPLACEMENT

When replacing the bulbs in the I.SO Italia tanning machines, please follow the technical instructions below in order to avoid an inconvenience during use.

1. **Use only original spare parts; non-original spare parts may function differently to the I.SO Italia design and test specifications and the company will therefore not be held responsible for faulty operation in the case of use of non-original components.**
2. **Use components that are equal to the original ones; the use of lamps with different characteristics to the ones installed by the manufacturer may cause malfunction.**
3. **I.SO Italia is authorised to supply products with alternative brands or types (due to the end of production by the manufacturers) with identical characteristics to the original ones.**
4. **The use of the equipment must strictly follow the instructions provided in the use and maintenance manual.**

INFORMATION NOTE

It should be noted that the replacement of the lamps will inevitably lead to increased yield with respect to the previous condition (i.e. worn lamps requiring replacement), as during the first 50 hours the yield is greater than the standard during the lifetime of the lamp. This indication must be considered when calculating the session times during the first hours following lamp replacement.
The lamp yield can also be influenced by the condition of the Plexiglas and the level of filter cleanliness; it is therefore important to ensure that these components are always in good condition and perfectly clean in order to obtain uniform tanning sessions over time.
It is again recommended to respect the exposure times indicated in the attached sheet according to the photo type of the person using the tanning machine.
Due to the delicate nature and the need for precision, all these operations should be carried out by specialised personnel.
The personnel in charge of managing the equipment bear prime responsibility for the operation of the equipment; it is therefore recommended to verify the full and correct operation of the equipment prior to every session in order to avoid the repetition of irregular operations.

WARNING FOR PLEXIGLAS REPLACEMENT

When replacing the Plexiglass in the I.SO Italia tanning machines, please follow the technical instructions below in order to avoid an inconvenience during use.

1. **Use only original spare parts; non-original spare parts may function differently to the I.SO Italia design and test specifications and the company will therefore not be held responsible for faulty operation in the case of use of non-original components, the use of lamps with different characteristics to the ones installed by the manufacturer may cause malfunction.**
2. **I.SO Italia is authorised to supply products with alternative brands or types (due to the end of production by the manufacturers) with identical characteristics to the original ones.**
3. **The use of the equipment must strictly follow the instructions provided in the use and maintenance manual.**
4. **The guarantee of the acrylics is recognized only for fabrication defects.**
5. **Any possible fabrication defects are to be contested within the first two months from the date of installation.**
6. **Only use specific products for the cleaning of the acrylics, and in no case use products that contain alcohol, even in a minimum quantity.**

For guarantee acknowledgement and customer service

The maintenance booklet, in which, for example, all the technical work carried out is recorded, should be kept in a safe place.
Also, please remember that a copy of the “Installation sheet” is to be returned to I.SO Italia.
For any requests that lie outside the contents of this handbook we advise you to contact your local dealer who should also be contacted whenever you require technical assistance.

INSTRUCTIONS AND WARNINGS FOR THE SUBSTITUTION OF THE LAMP

For the substitution of the lamp follow scrupulously the indications below not to cause damage to the lamp and to avoid risks for the operator.

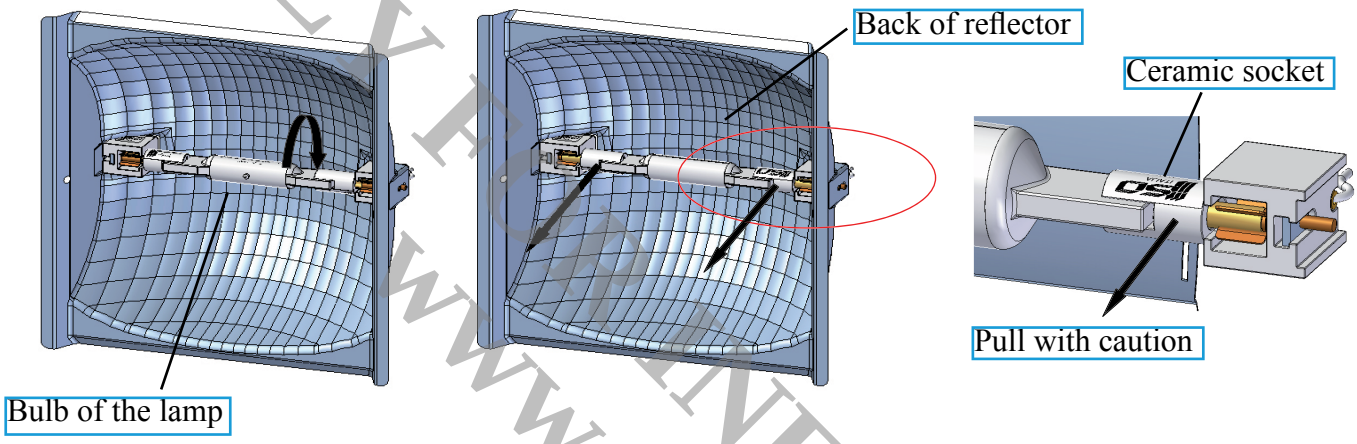
1. Assure that the solarium has done at least one final cooling cycle (at the end of the tanning session) so that the internal temperature does not exceed 35/40°C.

2. Disconnect the solarium from the electricity input, via the general switch.

3. Follow the instruction found in the user's manual and maintenance for the removal of the acrylics and filters (blue and transparent) so that you can have access to the reflector where the lamp is installed.

4. Assure that the new lamp is compatible in terms of power with the exhausted lamp that must be substituted.

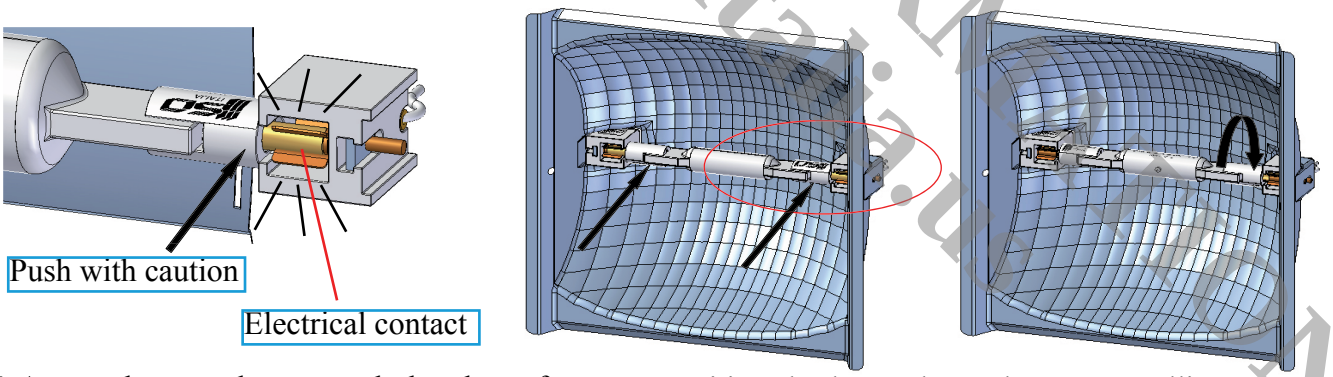
REMOVAL OF LAMP



5. Turn the lamp 180° so that the bulb of the lamp is position towards the back of the reflector.

6. Remove the lamp by pulling towards the external part of the reflector, acting on the two lateral ceramic sockets, so that it can be unhooked from the electrical contact.

POSITIONING OF THE NEW LAMP



7. Assure that you do not touch the glass of the lamp with your hands, paying attention in handling the lamp holding it by the ceramic supports.

8. Position the lamp above the two metallic parts so that they correspond with the electrical contacts. Then insert the lamp in the electrical contact and turn it 180° so that you assure the hook-up, bring the bulb of the lamp as the initial position.

NB. After the lamp change, before using the solarium verify the exits of the ballasts that they were not modified to increase the power to the lamp; if this operation was done all the connections must return to their original position.

In compliance with the european directives 2002/96/CEE - 2002/95/CEE - 2003/118/CEE and the Italian legislative decree D.LGS. n.151/05 - D.LGS. n.22/97 - D.LGS n.389/97 - D.LGS n.426/98 , the lamps used should be treated as special waste as they correspond to European waste code 20 01 21. Anyone deciding to dispose of this waste him or her must do so in full respect of all existing applicable legislation.

WASTE MATERIALS
Are considered as disposable waste materials non-toxic and non-harmful all the materials regarding the packing. Due to their characteristics must therefore be effected as required by the appropriate legislation.

DEFINITION OF SPECIAL WASTE MATERIAL: Residual material deriving from industrial processes or agricultural, artisan, commercial or service activities which, in view of their quantity of characteristics, are not classified as normal household refuse.

DEMOLITION AND DISCHARGE OF THE UNIT
The unit must be considered as AEE (electrical and electronic unit) and must be discharge as it is.
The under-reproduced symbol indicates that the unit at the end of its life has to be considered RAEE (waste of electrical and electronic unit).

As the unit cannot be discharged as urban waste but it must be sent to the specific collecting centers prepared by the municipal government or by producers and they will arrange the separate collection of RAEE.
Contact the competent municipal governments or the distributor/producer for further details on such matter.

The existence of the RAEE symbol identifies that the unit has been introduced into the market after the date August 13,2005

Dangers for the environment: the unit contains materials and components that can be potentially dangerous for the environment and for human health. Don't abandon the materials in the environment, the non-observance of such rule can lead to sanctions by competent authorities.

SPARE PARTS

Matrix L33-ER

CODE	DESCRIPTION
MPI12431	IGNITOR 1000W
MPI11910	LOUDSPEAKER CP D.130mm 2 VIE
MPI05300	HOURS COUNT 24V CA
MPI05273	CONTACT MAKER CGE CL04A310M1 24VAC
SLE12123	ASS.FILTER 260X240X3 C/SERIG.- C/CIRC.
SLE12122	ASS.FILTER 260X280X3 C/SERIG.- C/CIRC
SLE12114	ASS.FILTER 260X310X3 C/SERIG.- C/CIRC
MPI05750	INTERR.MAGN.3P 80A SIEMENS UL CURVA C
MPI05754	SHUNT TRIP SIEMENS 5ST3030
MPI14054	LAMP EVOLUTION LIGHT 650 W
MPI14063	LAMP EVOLUTION LIGHT 500 W
MPI12907	GAS SPRING 198 700 15
SLL80000011	Parabola bugnata alluminio 500/650W
MPI05183	Axial mushroom D16 PF165MROR
MPI10569	BALLAST 500W 220 V M.FASE
MPI10544	BALLAST 700W 220V M.FASE
MPI05330	BALLAST MEC75 30-32W 230V A VITE
MPI16300/A	SPWR Power board
MPI16302	S-TP/MEM GIANT Control board
MPI11150	Thermostat SCALE 0/120 mm.1500
MPI10555	TRANSFORM.MONOF.241VA-230V12024 50-60Hz “UL”
MPI10015	ANTIBURST CAPACITOR 40uF C/RES 330K1/2W mm45x100
MPI10012	ANTIBURST CAPACITOR 70uF 450VCA 50X133
MPI10014	ANTIBURST CAPACITOR 50uF C/RES 330K1/2W mm45x109
MPI12084	PLEXI MTX OVALE 1795x3mm
MPI12084/A	PLEXI MTX OVALE 1795x3mm
MPI12085/A	PLEXI MTX OVALE 1785x3mm
MPI12083	PLEXI MTX L33 BASE Spess.8mm ROHM
MPI11143	FUN 2GDSu25 133x190R A NORME UL CON CONDENSATORE
MPI11140	FUN 2GREU15 133X49R-Z0506 A NORME UL CON CONDENSATORE
MPI13311	FUN D4E250-CA01-06 “UL” 230V60HZ CONDEN.14uf 416261429
MPI13320	FUN D2E146-AP43-77 230V60 HZ “UL”CON CONDENS.6mF.UL

CAUTION:
Use only spare parts supplied by I.SO Italia S.p.A.
Do not use non-original materials, components or assemblies.
Non original spare parts may be used only after receipt of written authorization by I.SO Italia S.p.A.
Failure to heed these warnings may cause uncontrollable risks for the safety of the user and the operator.

Matrix L33-ER

GENERAL INDEX