Operating Instructions

Model:
SILVER BULLET SE
PC MARKETING
1040 WILT AVENUE
RIDGEFIELD, NJ 07657

1-800-FAST TAN
Forward
Your SILVER BULLET SE is built according to state-of-the-art technology and is safe to operate. However, the unit can be dangerous if used by persons who have not been trained or shown how to use the unit or if it is not used for the intended purpose. It is therefore essential that these operating instructions and in particular the notes on safety are read and understood by everyone involved with setting up, commissioning, operating, servicing, and repairing the unit. Allow you and your staff to be instructed by a specialist before using the unit for the first time. In the unlikely event of a technical fault please contact our Customer Services or your dealer.

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NOTES ON SAFETY

1.1 Before installation and placing in operation, the Safety Instructions and Operating Instructions must be carefully read and observed.

1.2 Before the unit is placed in operation, the local Safety Regulations and the Safety Instructions must be complied with.

1.3 Safety warning

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. Consult physician before using sunlamp if you are using medication or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are likely to tan from the use of this product. WEAR PROTECTIVE EYEWEAR: FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES. Therefore, you must observe the following Safety Instructions:

- The ultraviolet and visible radiation is very intense. DO NOT stare at the tanning lamps.
- While tanning, close your eyes, and always use the protective eyewear that is supplied.
- Before tanning, always remove jewelry.
- DO NOT tan more frequent than once every two days.

For recommendations about exposure times and recommended frequencies, please see below RECOMMENDED EXPOSURE SCHEDULE, which is enclosed with every unit.

SCHEDULE FOR LAMPS TYPE:
HERAEUS NOBLELIGHT HT600 VBQ 600 EF NO. HNG 8001 4784 + 2 x 250 W VARIOUS
COSMEDICO-COSMOLUX VHO 160 W (COS-NO. 16161)

<table>
<thead>
<tr>
<th>RECOMMENDED EXPWASKURE</th>
<th>Skin Type</th>
<th>WEEK 1</th>
<th>WEEK 2</th>
<th>WEEK 3</th>
<th>WEEK 4</th>
<th>WEEKLY</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1st-3rd</td>
<td>4th-6th</td>
<td>7th-10th</td>
<td>11th-15th</td>
<td>Subsequent</td>
</tr>
<tr>
<td>EXPOSURE</td>
<td>II - Fair</td>
<td>2 min.</td>
<td>3 min.</td>
<td>6 min.</td>
<td>12 min.</td>
<td>12 min.</td>
</tr>
<tr>
<td></td>
<td>III - Average</td>
<td>2 min.</td>
<td>4 min.</td>
<td>6 min.</td>
<td>12 min.</td>
<td>12 min.</td>
</tr>
<tr>
<td></td>
<td>IV - Brown</td>
<td>2 min.</td>
<td>6 min.</td>
<td>8 min.</td>
<td>12 min.</td>
<td>12 min.</td>
</tr>
<tr>
<td>SCHEDULE</td>
<td>V - Dark Brown</td>
<td>2 min.</td>
<td>6 min.</td>
<td>8 min.</td>
<td>12 min.</td>
<td>12 min.</td>
</tr>
</tbody>
</table>

Tanning can begin on a regular basis (allowing 48 hours between sessions). An appearance of tanning normally occurs after a few exposures and maximizes after four (4) weeks of exposure following the recommended exposure schedule of two (2) weekly 10 minute sessions is recommended from the fifth week onward.

USE PROTECTIVE EYEWEAR WHENEVER THE EQUIPMENT IS ENERGIZED. READ THE INSTRUCTION BOOKLET BEFORE USING THIS PRODUCT.

WARNING

If you have been diagnosed by a physician as being allergic to the sun or are currently taking photosensitive medications, consult your physician before using this product.

Children, persons with fair skin, elderly persons and persons who have a history of skin problems or believe yourself especially sensitive to sunlight, should avoid using this product.

Certain drugs – particularly those designed to enhance photosynthesis – might cause individuals under their influence to experience adverse effects and those people ought to avoid exposure to UV sources of all kinds. Doctors will advise persons taking these drugs of possible adverse effects.

It is recommended that only one person at a time use the tanning system. Use protective eyewear while tanning. One pair of protective eyewear is provided with each unit sold.

Occasionally, persons, using the tanning system will experience a slight reddening of the skin – usually in small patches – after the second or third session. This redness is often accompanied by an itching sensation. This is nothing more than a heat "rash" caused by heat from the lamps within the system. It is generally very limited. It will go away within approximately 24 hours and should not reappear. This rash can be lessened or prevented by applying moisturising lotion to the affected area after the tanning session is complete.

CAUTION

WHILE THERE IS NO IMMEDIATE CLINICAL EVIDENCE REGARDING UV EXPOSURE AND ITS EFFECTS UPON EXPECTANT MOTHERS, IT IS STRONGLY ADVISED THAT EXPECTANT MOTHERS BE DISCOURAGED FROM USING THIS PRODUCT.
EXPOSURE TIMES AND FREQUENCIES

Melanin, the brownish pigment produced by special cells in the base layers of the skin determines the individual ability to tan. As the skin is exposed to ultraviolet rays, the melanin is activated and combines with protein cells that rise to the skin's surface, thus producing a tan. The amount of melanin in your bodies determines how quickly and darkly you can tan.

NOTE

THE TAN PRODUCED BY THIS UNIT IS A DEEP, RICH "COSMETIC" TAN, HOWEVER, REGARDLESS OF HOW MUCH AN INDIVIDUAL MAY TAN WITH THIS UNIT, IT WILL NOT PROVIDE ADEQUATE PROTECTION AGAINST OVEREXPOSURE TO NATURAL SUNLIGHT OR UVB TANNING SYSTEMS.

SKIN TYPE II - THIS IS THE INDIVIDUAL THAT USUALLY BURNS EASILY AND SEVERELY. TANS MINIMALLY OR LIGHTLY AND PEELS.

SKIN TYPE III - OFTEN REFERRED TO AS "AVERAGE" COMPLEXION. BURNS MODERATELY AND TANS ABOUT AVERAGE.

SKIN TYPE IV - THIS INDIVIDUAL BURNS MINIMALLY, TANS EASILY AND ABOVE AVERAGE WITH EACH EXPOSURE.

SKIN TYPE V - THIS INDIVIDUAL RARELY BURNS, TANS EASILY.

RECOMMENDED EXPOSURE SCHEDULE

<table>
<thead>
<tr>
<th>SKIN TYPE</th>
<th>Session</th>
<th>WEEK 1</th>
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<th>WEEK 3</th>
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<td>IV - Brown</td>
<td>2 min.</td>
<td>6 min.</td>
<td>8 min.</td>
<td>12 min.</td>
<td>12 min.</td>
<td></td>
</tr>
</tbody>
</table>

No two individual skin tones are the same. A tan to one person may be different to another, and session length may vary. It is recommended that, following a tanning session, a skin moisturiser be applied. This promotes a smoother more even looking tan. Equally important - many facial make-ups have oil bases and should be removed prior to each tanning session.

NOTE

SINCE THE BACK AND STOMACH AREAS OF THE BODY WILL RECEIVE THE MAJORITY OF THE TANNING RAYS, IT IS RECOMMENDED THAT INDIVIDUALS SPEND ONE HALF OF EACH SESSION LYING ON EACH SIDE OF THE BODY TO ACHIEVE A FULL-BODIED TAN.

WARNING

COMMERCIALY AVAILABLE CREAMS, LOTIONS AND OILS CONTAIN SUNSCREENS WHICH FORM A PHYSICAL BARRIER ON THE SKIN THAT PREVENTS THE UV RAYS FROM PENETRATING AND INDUCING A TAN. IT IS RECOMMENDED THAT YOU ONLY USE CREAMS, OILS OR LOTIONS THAT DO NOT CONTAIN POLYTHENE/GLYCOL MONOLAURATE AND ARE DESIGNED FOR USE WITH INDOOR TANNING EQUIPMENT. FAILURE TO COMPLY WITH RECOMMENDATIONS AND WARNINGS STATED ABOVE MAY VOID THE MANUFACTURER'S WARRANTY.

WARNING

THIS UNIT MUST NOT BE USED IF THE TIMER IS FAULTY OR IF THE FILTER GLASS PLATE IS BROKEN.

1.4 Proper Use

All units are intended exclusively for indoor tanning of people and for commercial use. The unit must only be used in dry surroundings where there is no danger of explosion. The area must be well ventilated. If operated in a tanning salon, the surroundings and solarium equipment itself must be kept hygienic and always clean. Using the equipment for any other than the intended purpose will be regarded as misuse. In this case, the manufacturer will accept no liability for any damage which may arise. All liabilities will be the responsibility of the user. Proper use also includes observance of the operating, servicing, and maintenance conditions specified by the manufacturer. Servicing and repair work and the like may only be carried out by Dealer Customer Service or persons appointed by them. The units may only be operated by those who are familiar with them and who have been instructed about possible dangers. Appropriate accident prevention measures and other generally accepted rules regarding safety and industrial medicine must be observed. Unauthorized changes to the units exclude the liability of the manufacturer for any resulting injury. This applies in particular to any injury which may result from the use of lamps and/or filter discs not authorized by Dealer Specialist.

1.5 Product Liability

The attention of the user is drawn explicitly to the fact that the unit may only be used for the intended purpose. All responsibility and liability falls to the user if the unit is used other than for the intended purpose. The manufacturer accepts any liability.

1.6 What to do in an emergency

Remove the mains plug or switch off the power using the main switch or fuses, and ensure that the unit cannot be switched on again by mistake.
1.7 Explanation of danger symbols

Warning!

All sections in these operating instructions that relate to your safety are marked with this symbol. Please also pass on the information regarding safety to other users.

Function

All sections in these operating instructions that contain information regarding the function of the unit are marked with this symbol. Please pay particular attention to this information to avoid damaging the unit.

Note

All information and notes in these operating instructions are marked with the word Note.

Various diagrams and figures are referred to in the text. For example, (15/2) refers to Figure 15, Item 2.

1.8 Position of the user

In front of the unit and on the bed.

INFORMATION FOR THE SALON PERSONNEL

2 OPERATION

2.1 Equipment - New and proven

Important Information! To be read by everyone!

Not every model is equipped with all of the modules described here and therefore all options.

1. Check the brochure for the features of your unit.
2. Please observe the instructions which apply to your unit.
3. Please pass on all information to the user.

AIR JET

An air vent is provided in the canopy which allows cool air to be directed over the upper part of the body.

FAN

The fans continue to run for about 6 minutes (factory setting) after switching off the unit in order to cool it down.

BREAKSAFE

The XTT filter discs above the high-pressure lamps are protected by a BREAKSAFE device. If one of these filter discs breaks, the power is cut off and the unit can only be restarted after the filter disc has been replaced.

BREEZE

There are two nozzles in the canopy from which a fine atomised spray of distilled, sterilised water can be sprayed into the tanning area on demand.

SERVICE MODULE

The service module allows you to monitor the operating hours according to the total operating hours of the solarium, the operating time of the ND lamps and the operating time of the HD lamps. The service module also monitors the temperatures and displays error messages. The service module facilitates maintenance and inspection of parts for wear (see Ch. 5). AUDIO SYSTEM (see Sec. 5.2). The unit may be connected to an external sound system.

2.2 Starting

Observe the tanning schedule.

Do not exceed the recommended tanning times for your skin type. Avoid sunburn.

Never expose yourself to ultraviolet light if you already have a sunburn.

Your final tan (when your skin does not darken any more) depends on your skin type.

Your tan cannot be intensified by using a solarium but only maintained by it.

Close your eyes while tanning and always wear the protective goggles provided.

People who have undergone surgery to their eye lenses must wear protective goggles.

Starting by inserting a coin

1. Insert coins or chips into the coin meter.

The unit starts automatically after the warming-up period, depending on whether central control desk or coin timer is used.

2. If you want to start the unit before the end of the warming-up period, press the START button (1/1, Early start).

3. You can interrupt the tanning session by pressing the STOP button (1/2) (next to the START button).

The tanning time continues during this interruption, i.e. the display (1/9) continues to count.
Starting in private mode
1. Press the START button (1/1) on the control panel.
2. Pressing the START button several times sets the time on the display to the time you want in steps of one minute or pressing the STOP button corrects the time. The tanning time must be set within 20 seconds.
   Tanning starts 5 seconds after pressing the START button for the first time.
3. You can interrupt the tanning session by pressing the STOP button (1/2) (next to the START button).
   The display shows the current tanning time.
   The display lights up and shows the remaining tanning time.
4. If you press the START button (1/1) again, the tanning session will continue.
   If the tanning session is not resumed within a maximum 60 minutes, the unit returns to standby mode.
5. If you press the STOP button again, the tanning session is interrupted and the display (1/9) is reset to zero.

2.3 On the bed
1. Lie down on the bed.
   Keep your body away from the front edge of the bed. Danger of squashing!
2. Lower the canopy using the handle. The distance between your body and the lamps is determined by the design of the unit.

Coin-operated mode
If the tanning session has not yet begun, the pre-tanning time is still active. The lamps switch on automatically after the pre-tanning time. Press the START button (early start) if you want to activate the unit before the pre-tanning time ends.

2.3.1 Operating Panel

   You can interrupt the tanning session at any time by pressing the STOP button (1/2).

   • START button (1/1)
   Coin-operated unit
   If you have interrupted tanning by pressing the STOP button (1/2), you can restart it by pressing the START button (1/1). You can also use the START button to start the unit before the end of the warming-up period (Early start).
   
   Private use
   By pressing the START button (1/1) repeatedly you can set the time on the display (1/9) to the desired tanning time in steps of one minute. This must be done within 20 seconds. Tanning starts 5 seconds after pressing the START button for the first time. If you have interrupted tanning by pressing the STOP button (1/2), you can restart it using the START button (1/1).

   • STOP button (1/2)
   You can interrupt tanning at any time by pressing the STOP button (1/2).

   Warning

   Coin-operated mode
   You can switch off the sunlamps before the end of the tanning session by pressing the STOP button (1/2). The tanning time continues during this interruption, i.e. the display (1/9) continues to count.

   Private use
   You can switch off the sunlamps before the end of the tanning session by pressing the STOP button (1/2). The display shows the current tanning time.
   The display lights up and shows the remaining tanning time. If you press the STOP button (1/2) again, tanning is aborted completely and the display shows zero.

   • Fan stage buttons
   The buttons control the cool air stream over the body. The intensity of the cooling air increases when you tap the Plus button (1/4) or decreases when you tap the Minus button (1/5). You can choose between 3 stages. The red LED lamps (1/3) light up according to the level you choose. On level 1, LED 1, on level 2 LED 1, 2 and 3 and level 3 LED 1, 2, 3, 4 and 5 are on. Press the Minus button (1/5) on level 1 for 3 seconds if you want to switch off the body cooling completely. The previously set level is retained when you restart tanning, if the body cooling was switched off, the unit restarts on level 2.

   • Face tanning buttons (1/6 & 1/8)
   The buttons control the intensity of the face tanner (IGB). The intensity of tanning increases when you tap the Plus button (1/8) or decreases when you tap the Minus button (1/6). You can choose between 3 stages.
The red LED lamps (1/7) light up according to the level you choose. On level 1, LED 1, on level 2 LED 1, 2 and 3 and level 3 LED 1, 2, 3, 4 and 5 are on. Press the Minus button (1/6) on level 1 for 3 seconds if you want to switch off the face tanner. The previously set level is retained when you restart tanning, if the face tanner was switched off, the unit restarts on level 3 (highest level). If tanning is switched off and then back on within 2 minutes, the active LEDs flash for 2 minutes, i.e. the high pressure lamps require up to 2 minutes reigniting. When tanning time ends (Off coin meter or Off in private use), the face tanners are shut down in stages.

- **Display (1/9)**
  **Coin-operated unit**
  The two-digit display (1/9) counts up the time from the active coin metersignal in steps of one minute. On the display, you can read how many minutes of the tanning session have elapsed. The time display flashes if the tanning time is interrupted. After the tanning session is complete the unit switches off and the display shows zero.

- **Private use**
  The two-digit display (1/9) counts the time from start of tanning to zero in steps of one minute. If the tanning time is interrupted by pressing the STOP button (1/2), the display lights up and show the current tanning time.

- **BREEZE button**
  When you press the BREEZE button (1/15), a fine atomised spray of distilled water is sprayed from two nozzles in the canopy area onto the body and face. During the spraying cycle (time out about 2 minutes) the red LED lights up. During this time the BREEZE button is disabled.

- **Audio system volume buttons (1/10, see Sec. 5.2)**
  These two buttons are used to adjust the volume of the music. Pressing the Plus button increases the volume, pressing the Minus button decreases it.

- **Audio system program selection (1/11, see Sec. 5.2)**
  Use the arrow buttons to choose the music you want to hear.

2.4 Cleaning the acrylic panel: Only use „PICOBELLO“ cleaning agent!
Always pay attention to hygiene.

**Warning**
- The bed must be disinfected and cleaned after every tanning session.
- Keep cleaner and other cleaning agents away from your eyes. Do not spray into naked flames!
- Do not drink.
- Keep out of the reach of children.
- Use cleaning agents as directed by the manufacturer and observe the acting time.
- Do not pour liquids onto the unit to ensure moisture does not seep under the covering panels into the electrics.

Cleaning panel (3/1)
1. Clean the acrylic bed panel after each tanning session using „PICOBELLO“ cleaning agent or Paletti hydro-fleece.
2. When using “PICOBELLO“ cleaning agent, spray onto the acrylic panel and allow it to sink in for one minute.
3. Wipe off using a clean cloth.

INFORMATION FOR THE OPERATOR
3 INITIAL OPERATION
3.1 Important information! Please read!
- Do not put defective units into operation.
- Observe the highest permissible room temperature max. 95°F (max. 35°C) or the unit may overheat.
- Observe the requirements with regard to hygiene.
- Provide protective goggles and ensure they are worn.
- Make users aware of the importance of observing the tanning time depending on their skin type.
- Keep the assembly and operating instructions close by.
- Post the notes on safety and the recommended tanning times in the solarium room where they can be seen easily.
- Only operate the unit for longer periods of time with the canopy closed.
- There is a sticker on the acrylic panel of the bed providing important information in 4 languages. Please read this information and then remove the sticker.

3.2 Before initial operation
Safety regulations and operating instructions must be read carefully and taken into account before installation and start-up.
You can monitor the operating hours using the service module (see Sec. 5.1).

3.3 Using the unit for the first time
Before each initial operation all local safety regulations and safety warnings must be observed. Once the unit has been fully assembled, connected to the power supply and coin-operated timer or central control unit, it can be switched on.
4 Cleaning - Important Information for the Operator
Pay particular attention to hygiene on and around the unit. Dust reduces the tanning effect.
Keep cleaning agents away from eyes!
Do not spray into naked flames!
Do not drink! Keep out of the reach of children!
Do not pour liquids onto the unit to ensure moisture does not seep under the covering panel into the electrics.
Use cleaning agents as directed. Observe the acting time given by the manufacturer. There is no guarantee or warranty liability if another cleaning agent is used.

- **Body**
  1. Clean the coated surfaces of the unit with a damp cloth containing a little detergent if required.
  2. Do not use scouring agents.
  3. Remove persistent dirt using a soft cloth and a bio-degradable cleaning agent (e.g. neutral soap).

- **Acrylic panel**
PICCOBELLO is suitable for disinfecting, deodorisation and daily cleaning of all kinds of surfaces, especially in tanning studios and gyms. PICCOBELLO is supplied by PC MARKETING in concentrated form and has to be diluted with water before use.

**Mixing PICCOBELLO ready for use**
1. Mix 15 ml of PICCOBELLO with 1 litre of water. This produces a 1.5 % solution which requires an activation time of 1 minute.

**Cleaning the acrylic panels**
1. Only use the PICCOBELLO cleaning agent or Paletti hydro fleece on acrylic panels.
2. When using the PICCOBELLO agent, spray onto the acrylic panel and allow it to sink in for 1 minute.
3. Wipe off using a clean cloth.
4. From time to time clean the underside of the bed panel, the bottom acrylic panel in the bed and the acrylic panel in the canopy.

**Acrylic bed panels**

**Open up the bed panel**
1. Turn the slots of the turning bolt (3/7) into a vertical position using a coin.
2. Open up the bed panel (3/1) at the front centre.
3. Take both fixing rods (3/2) from their fixing device and support the bed panel with them.
4. Clean the bottom part of the bed panel.

**Cleaning the bottom acrylic panel in the bed**
1. Clean the upper part of the bottom acrylic panel (3/10).
2. Remove the two brackets (3/5) to the top.
3. Tilt the bottom acrylic panel to the top using the grip hole (3/4).
4. Clean the bottom part of the acrylic panel.

**Fitting the acrylic bed panel**
1. Place the bottom acrylic panel with the grip hole (3/4) showing to the front between the limitations (3/8) of the lamp cover.
2. Place the two brackets (3/5) with their slot holes over the screw heads of the adjacent lamp brackets (3/6).
3. Replace the two fixing rods (3/2) in their holding devices and tilt the bed panel back until it touches the bed.
4. Turn the slots of the turning bolt (3/7) into the horizontal position.

**Acrylic Panel Canopy**

**Turn canopy frame with acrylic panel down**
1. Clean the accessible part of the acrylic panel canopy.
2. Take the Allen key.
3. Turn the three hexagonal bolts (2/2) to 90° using the Allen key.
4. Tilt the interior canopy (2/3) down with the front long side to the bottom until the frame touches the bed.
5. Lower carefully!
6. Push the internal canopy to the top until it fits closely.
7. Turn the bolt (2/2).

- **Reflectors**
1. Wipe off the reflectors with a cloth moistened with alcohol when replacing the reflectors.
5 IMPORTANT INFORMATION FOR THE OPERATOR

5.1 Service module (Operating hours, error messages)

5.1.1 Service module

The Service Module includes three programs (Program menu, Service menu 1, Service menu 2) which can be called on the display (1/9).

In these programs, you can call the operating hours, read temperatures, read error messages etc.

5.1.2 Use of the service module (see operating diagram in Sec. 5.1.3)

1. Press the START button (1/1) and the STOP button (1/2) at the same time for about 4 seconds. The program menu will appear on the display.
2. Press the START button to change between the programs: Program menu, Service menu 1, Service menu 2.
3. If you press the STOP button in a program, you jump into the program.
4. If you press the START button when you are in the selected menu, you will run through the parameters.
5. If you press the STOP button for a parameter, the parameter will be displayed (e.g. operating hours).

Two alternating values are displayed. The single digit shown indicates the ten thousands. The two digits shown indicate the thousands and the hundreds.
6. Pressing and holding the START button down displays the tenths and the ones.
7. Pressing the START button (1/1) and the STOP button (1/2) at the same time for about 4 seconds, sets the time elapsed so far to zero (RESET), e.g. after replacing lamps.
8. To quit the service module, press the START and STOP button together for about 4 seconds.
9. If you disconnect the unit from the power supply within 5 minutes of leaving the service module, the parameters you have changed will be saved and activated.

If parameters are changed, but you do not unplug the unit after leaving the service module to confirm your changes, then the previous settings remain unchanged.

If you are in the service module but do not make any changes within a period of about 4 minutes, the system automatically exits the service module and returns to the standby mode. For operating the service module see diagram in Sec. 5.1.3.

5.1.3 Programs of the service module

- Program Menu Pr
  1. Read the operating hours in the program menu.
     PrP1: Operating hours solarium
     PrP2: Operating hours body tanners
     PrP3: Operating hours face tanners
     PrP5: Bleed BREEZE (BREEZE see Sec. 6.7)
     PrP6: Operating hours AROMA
     PrP8: Audio: adjustment of basic volume from 1 to 64
     PrP9: Audio: adjustment of maximum volume from 1 to 64
  2. In the program menu, e.g. for P2, press the STOP button to read the currently elapsed operating time of the body tanners.
  3. Read the operating hours. Two alternating values are displayed. The single digit shown indicates the ten thousands. The two digits shown indicate the thousands and the hundreds.
  4. Pressing and holding the START button displays the tenths and the ones.
  5. Press the START button and the STOP button at the same time for about 4 seconds to set the time elapsed so far to zero (RESET), e.g. after having replaced lamps.

The left dot on the 7 segment display lights up.

6. If the operating hours counter has reached its limit value, the left dot of the 7 segment display lights up. Go to the program menu and replace the lamps for which the operating time has elapsed. Then reset the operating hours to zero (RESET).
7. If you disconnect the unit from the power supply within 5 minutes the parameters you have changed will be saved and activated.

The right dot of the decimal display lights up.

If the right dot of the decimal display lights up, either the BREEZE canister must be replaced.

Go to the program menu PrP4:

BREEZE

Read the number of BREEZE sprayings at PrP4. The right dot of the decimal display lights up when the limit value of 900 sprayings is reached.

You must replace the BREEZE canister.

If you replace the BREEZE reservoir, the number of sprayings must be reset to 0 (PrP4), the BREEZE system has to be bled and the unit unplugged from the mains.

For more information on this procedure see Sec. 6.5.
**Service Menu S1 and Service Menu S2**

1. The service menu 1 shows:
   - **S1P1**: Ventilation overrun time can be set between 0 and 10 minutes.
   - **S1P2**: Temperature 1 supply air, reading
   - **S1P3**: Temperature 2 supply air, reading
   - **S1P4**: Limit value to be set for operating hours of ND lamps. If this is reached, the left dot of the 7 segment display lights up.
   - **S1P5**: Limit value to be set for operating hours of HD lamps. If this is reached, the left dot of the 7 segment display lights up.

2. If you disconnect the unit from the power supply within 5 minutes the parameters you have changed will be saved and activated.

**Service Menu S2**

1. In service menu 2 read the error messages with an E in the left and position and an error number at the right position.
2. In case of an error message, press the START button in Service menu 2 to display the last ten errors.

   **Warning**
   
   In case of an error message on your display, please contact customer service or your authorized dealer.

5.1.4 The service module at a glance:
5.2 Audio system
Eliminating Humming Problems
If you connect several solariums to one audio system in parallel, you may hear a constant humming sound with a frequency of 50 hertz (mains frequency) caused by the power installation on your premises. You can eliminate this problem by installing the transformer (GLI-18, ID.NO. 249 920) which works as an electrical isolator between the audio ground and the protective conductor.

Connection of the Audio System
Connection example for an external relay or logic input of external electronics.

6 SERVICE AND MAINTENANCE

Always unplug the unit from the mains!

Warning
The operator must ensure that the unit is always operated in perfect condition. Ensure the technical equipment is serviced and checked regularly. Additional measures such as preventing unauthorised access are required when repairing or restarting the unit after servicing. Only authorised persons may work on the unit; please contact your specialist dealer or PC MARKETING. Do not use work procedures which impair the safety of the unit. Always obtain original spare parts from your specialist dealer or PC MARKETING. There cannot assume liability if other lamps, High Pressure lamps, starters or springs are installed other than original parts. Do not operate the unit without the acrylic panels.

6.1 Replacing acrylic panels
The acrylic panels are special panels with high UV permeability. Therefore never replace the acrylic panels with window glass or commercial Plexiglas because these partially or completely filter out the UV rays. Always obtain the original acrylic panels from your specialist dealer or the unit manufacturer. On delivery, the replacement acrylic panel is covered on both sides with protective laminate. Remove this laminate before use in the tanning units. Do not operate the unit without the acrylic panels, this no longer ensures that the lamps are cooled.

The manufacturer will not be liable in case of damage.

Warning
**LIGHTGLASS**

The acrylic panels of the canopy frame and bed top are frosted on one side (LIGHTGLASS).

1. When installing acrylic panels, ensure that the frosted side of the panel is always towards the lamp.
2. Do not polish the frosted side of the acrylic panel with polishing paste.

### 6.1.1 Bed acrylic panels

**Replacing the bed panel**

1. Turn the slots of the turning bolt (12/5) into a vertical position using a coin.
2. Two people should stand at either end of the bed panel.
3. Raise the bed panel at the front side and at the same time lift it up at the back by the aluminium profile (12/6) until the profile slips out of the guide rail.
4. Lift out the bed panel.

*Handle with care!* Do not scratch the side ventilation cover when lifting out the bed panel.

5. Put the bed panel down on an underlay.
6. Remove the side covers (12/2) from the aluminium profile and pull the bed panel out of the rail (12/3).
7. Push in the new bed panel (12/4) until its long side is completely in the rail (12/3) and align it with the lateral covers (12/2).

**Replace bottom acrylic panel**

1. Remove the two brackets (3/5) away from the top.
2. Lift out the acrylic panel at the grip hole (3/4).
3. Take the new acrylic panel and insert it with the grip hole to the front in between the end stops (3/8) of the lamp cover (3/6).
4. Place the two brackets (3/5) with their slot holes over the screw heads of the lamp brackets (3/6) below.

**Fitting the bed panel**

1. With one person at each end of the bed panel (12/4), position it over the bed so that the front long side is tilted upwards.
2. Insert the bed panel with its rear aluminium profile (12/6) into the longitudinal aluminium profile of the bed.
3. Rotate the front edge of the acrylic panel downwards until it rests on the bed.
4. Turn the slots of the turning bolt (12/5) into the horizontal position.

### 6.1.2 Canopy acrylic panel

**Lower the internal canopy with acrylic panel**

1. Take the Allen key.
2. Turn the three hexagonal bolts (2/2) through 90° using the Allen key.
3. Lower the interior canopy with the acrylic panel at its front long side until the frame rests on the bed. **Lower carefully!**
4. Pull out the plug at the interior control board (2/6).
   *Attention!* The plug is locked. Press the unlocking button.
5. Lift out the interior canopy with the acrylic panel from the rear canopy long side profile with both brackets (2/7) and put the canopy frame on an underlay.

**Remove the acrylic panel**

1. Turn out the three screws used to fix the interior control board (2/6) to the acrylic panel.
2. Unscrew the four screws (13/2) with washers (13/1) on each end face.
3. Push the acrylic panel with its front and rear long side out of the long aluminium profiles of the canopy frame. Take the new acrylic plate of the canopy and insert it into the long aluminium profiles with both long sides.
4. Screw in the four screws (13/2) with buffer discs (13/1) to fix the acrylic panel.
5. Fit the interior control board (2/6) to the acrylic panel.

**Fitting the interior canopy**

1. Fit the interior canopy with its brackets (2/7) into the rear canopy long side profile and lower it with the front long side onto the bed. **Lower carefully!**
2. Insert the plug into the socket of the interior control board (2/6).
3. Lower the interior canopy in direction of the canopy and turn the three hexagonal bolts (2/2) to 90° with the Allen key.
   *The interior canopy is fixed.*

### 6.2 Servicing high pressure lamps

The high pressure lamps in the canopy are equipped with a very specific filter glass configuration.

There is an XTT filter disc in front of the three high pressure lamps in the canopy.

**Warning**

The high pressure lamps may only be operated with the particular filter configuration specific to the equipment. If filter discs are damaged or missing, the unit may not be used under any circumstances. Danger of burning! Danger of permanent damage to the eyes! Depending on the model, the face tanner may not switch on immediately if restarted, or will only switch on with reduced power, as a cooling period of about 4 minutes is required. To replace a high pressure lamp, please contact the manufacturer or an authorized dealer. No liability will be accepted if tubes other than those originally supplied are used.
BREAKSAFE
Each XTT filter disc above the high pressure lamp in the canopy is equipped with a BREAKSAFE device. If one of these filter discs breaks, the power supply is cut off and the unit can only be restarted after the XTT filter disc has been replaced.

6.2.1 Changing the high pressure lamp
Attention!
- Only hold the high pressure lamp by the rectangular cap.
- Never pull on the glass part of the high pressure lamp.
- Do not touch the glass part of the high pressure lamp with your fingers.
- If this happens by mistake, wipe off the finger prints with a clean cloth moistened with alcohol.

Lower the internal canopy with acrylic panel
1. Take the Allen key.
2. Turn the three hexagonal bolts (2/2) with the Allen key.
3. Lower the interior canopy (2/3) with the acrylic panel by the front long side until the frame rests on the bed. Lower carefully!

Replacing the acrylic panel
1. Pull out the two locks (14/2) of the cover (14/3) and take it off.
2. Take the XTT filter disc (14/4) and push it from the end towards the unit centre and lower it as soon as the disc slides over the two head brackets (14/9).
3. Pull out the XTT filter disc (14/4).

Removing the high pressure lamp
1. Hold the high pressure lamp by the rectangular cap (14/5).
2. Push the lamp into the socket (14/6) in the longitudinal direction until it is free on the other side.
3. Pull out the lamp.

Clean the reflector
1. Wipe off the reflector (14/7) using a clean cloth moistened with alcohol.

Mounting a high pressure lamp
1. Hold the new high pressure lamp by the cap (14/5).
2. Plug the high pressure lamp into the socket (14/6).
3. Push back the socket.
4. Insert the high pressure lamp.

Clean the filter disc
1. Clean the filter disc (14/4) with warm water containing a little detergent if required.
2. Dry the filter disc with a clean cloth.

Installing a filter disc
The canopy must never be operated without filter discs!
The coated side of the XTT filter must be towards the tube.

Attention!
During assembly
1. Lift the XTT filter disc (14/4) from the centre of the face tanner housing over the two end brackets (4/9) and lower the XTT filter disc towards the face tanner housing.
2. Push the XTT filter disc over the two remaining brackets.
   Ensure that the XTT filter disc is fixed directly opposite the four brackets. When fitting the XTT filter disc, the bolt of the micro switch (14/8) for the BREAKSAFE device is pushed back.
3. Hold the cover (14/3) over the filter disc and press in the locks to fix the cover.

Fitting the acrylic panel in the interior canopy
1. Lower the interior canopy (2/3) towards the canopy until it touches.
2. Turn the three hexagonal bolts (2/2) with the Allen key.

6.2.2 Exchanging the Power Spot in the canopy
1. Remove the reflector (14/14) of the POWERSPOT by pressing slightly against the socket and turning it anti-clock-wise.
2. Unlock the 2 holding springs (14/11).
3. Loosen the plug connection (14/10) of the connecting cable.
   Now you can take off the complete socket with the high pressure bulbs (14/12).
4. Press the new complete high pressure bulb with the socket (14/12) into the holding springs.
5. Pay attention that the disc spring (14/13) lies on the base.
6. Connect the plug connection (14/10).
7. Insert the reflector (14/14) of the POWER SPOT by pressing slightly on the socket and turning it clockwise.

Fitting the Acrylic Glass Panel
Position the acrylic panel (15/3) in the longitudinal groove (15/4) according to the screen printing. Turn back the three bolts of the acrylic panel using the Allan key so that the acrylic panel is secured firmly in position.
6.3 Replacing lamps

Burning in of lamps

Initially the colour of the light is slightly different but this changes after some time. The lamps appear darker at the ends. This is due to physical properties and does not mean that the lamp is defective.

6.3.1 Replacing the long sunlamp

Replacing the lamp

1. Remove the acrylic panel concerned (see Sec. 6.1).
2. Rotate the sunlamp (15/3) in either way until the contact pins are visible in the socket groove (15/4). Pull the lamp out.
3. Clean the reflector (15/6) with a clean cloth moistened with alcohol.
4. Hold the new sunlamp (15/3) horizontally so that the contact pins are one above the other.
5. In this position, push the lamp into the socket (15/4). Rotate the lamp through 90° until the notch in the metal ring at the end of the lamp is on top.
   For a reflector lamp, the lighter reflector side must point to the equipment and the printed side towards the user.
6. Refit the acrylic panel.

Note:
If you need to replace the sockets of the long sunlamps in the bed, you only have to remove the cover sheet above the sockets and pull the sockets out towards the top.

6.3.2 Replacing the illumination lamps behind the uwe canopy logo

There are four illuminating lamps (16/3) behind the uwe logo on the canopy cover. (16/3). The uwe logo is lit up so long as the unit is connected to the mains.

Lower the internal canopy with the acrylic panel

1. Take the Allen key.
2. Turn the three hexagonal bolts (2/2) with the Allen key.
3. Lower the interior canopy (2/3) with the acrylic panel by the front long side until the frame rests on the bed. Lower carefully!

Remove the covers of the canopy

1. Completely remove the cover (8/3) on the rear side together with the air extraction hose.
2. From the inside of the canopy unscrew the three 60 x 14 screws (16/5) on each side.
3. Take off the two side covers (16/6).
4. Push the large canopy cover (16/1) upwards out of the front longitudinal slot.
5. Pull the cover out of the rear longitudinal slot and put the cover to the side.

Replacing the lamp

1. Touch the defect lamp only at the cap (16/3) and pull it out of the socket.
2. Clean the reflector (16/2).
3. Plug the new lamp into the socket.

Fitting the cover

1. Insert the canopy cover (16/1) with the longitudinal edge and the slot-shaped openings into the groove of the rear longitudinal rail.
2. Lower the large cover carefully and insert its front longitudinal edge into the groove of the front longitudinal rail.
3. Push the covers (16/6) over the longitudinal rails on both sides and fix them each with the three screws (16/5).
4. Fit the cover (8/3) on the rear side of the unit with air extraction hose to the flue (8/1).

Fitting interior canopy with acrylic panel

1. Lower the interior canopy (2/3) with the acrylic panel towards the canopy until it touches.
2. Turn the three hexagonal bolts (2/2) with the Allen key.
   The frame is fixed.

6.3.3 Bed illumination lamp (FLOOR LIGHT)

Removing the large cover in front of the base

1. Lift the cover (4/5) in front of the base slightly and remove it to the front.

Replacing lamps

1. Unscrew the four screws (17/2).
2. Pull out the acrylic cover (17/4) with the lamp.
3. Rotate the lamp (17/3) in either direction until the contact pins are visible in the socket groove.
4. Pull out the lamp.
5. Hold the new lamp horizontally so that the contact pins are one above the other.
6. In this position push the lamp into the socket.
7. Rotate the lamp through 90 degrees until the notch in the metal ring at the end of the lamp is on top.
8. Mount the acrylic cover with the lamp.
Mounting the large cover in front of the base
1. Place the large covering panel (4/5) in front of the base.
2. First hang the lower hooks (4/1) of the covering panel over the retainers (4/2) of the base and rotate the top covering panel downwards completely onto the base. The upper oblong holes (4/3) on the covering panel lock into the sockets (4/4) in the base.

6.4 Changing filter mats
The air used to cool the unit passes over micro filter mats as it enters the unit inlet. These mats filter out fluff, hair, dust particles, etc. to minimize the need for cleaning internal parts such as lamps. These filtered particles block the filter after long-term use and reduce the cooling effect of the unit. You should therefore change the filter mats from time to time to prevent the unit from overheating. How often you replace the filter mats depends on the operating time and the amount of dirt in the air.

Only purchase original filter mats from your authorized dealer or equipment manufacturer.

Warning
1. Check the filters after every 200 operating hours.

6.4.1 Filter mats in the base unit
Removing the large covering panel in front of the base
1. Slightly raise the covering panel (4/5) at front of the base and pull it out at the front.

Replacing filter mats
1. Pull out the long filter mat strips (18/1, 18/2) and the rectangular filter mat section (18/3), only models with air conditioning.
2. Squeeze the new filter mats tightly into the appropriate mounting groove.

Mounting the large covering panel in front of the base
1. Place the large covering panel (4/5) in front of the base.
2. First hang the lower hooks (4/1) of the covering panel over the retainers (4/2) of the base and rotate the top covering panel downwards completely onto the base. The upper oblong holes (4/3) on the covering panel lock into the sockets (4/4) in the base.

6.4.2 Filter mats in the canopy
Lowering the internal canopy with the acrylic panel
1. Take the Allen key.
2. Turn the three hexagonal bolts (19/4) with the Allen key.
3. Lower the interior canopy (19/3) with the acrylic panel by the front long side to the bottom until the frame rests on the bed.
Lower carefully!

Replacing filter mats
1. Pull the filter mats (19/1) out at the outer edges of the canopy frame (19/3).
2. Insert the new filter mat (19/1) tightly into the frame.
3. Insert the locking pins (19/2) into the holes (2 mm diameter) of the filter mat.

Mounting the acrylic panel in the interior canopy
1. Swivel the interior canopy (19/3) with the acrylic panel towards the canopy until it touches.
2. Turn the three hexagonal bolts (19/4) with the Allen key. The frame is fixed.

6.4.3 Filter mat in the bed (models without air conditioning)
Open up bed panel
1. Turn the slots of the tuning bolt (3/7) into a vertical position using a coin.
2. Open up the bed panel (3/1) at the front towards the top.
3. Remove both fixing rods (3/2) from their fixtures and use them to support the bed panel.

Replacing the filter mat
1. Take the filter mat out of the face end lamp cover.
2. Insert the new filter mat tightly into the lamp cover (3/6).
   The filter mat must be placed under the three screws of the lamp cover.

Closing the bed panel
1. Put the retaining rods (3/2) back in their fixtures and lower the bed panel (3/1) with its front longitudinal side downwards until it touches the bed.
2. Turn the slots of the tuning bolt (3/7) into the horizontal position.

6.5 Changing the BREEZE canister

Warning
Disconnect the unit from the power supply before exchange of canister.
Each canister contains 5 litres.

For health reasons never use normal tap water or ordinary distilled water.
Only use the water in the original canister supplied by uwe which has been distilled three times and is germ-free.
Removing the large covering panel in front of the base
1. Slightly raise the covering panel (4/5) at front of the base and pull it out at the front.

Replacing the water canister
1. Pull the silicone tube (18/6) out of the empty canister (18/5).
2. Unscrew the top of the full canister and screw on the top from the empty canister with the hole and nozzle.
3. Insert the tube (18/6) through the nozzle and push it down until it touches the bottom.
4. Place the canister (18/5) into the space in the base.
5. Place the covering panel (18/4) into the U-shaped groove of the longitudinal front rail and lower the covering panel to the base. Turn the bolt.

Mounting the large covering panel in front of the base
1. Place the large covering panel (4/5) in front of the base.
2. First hang the lower hooks (4/1) of the covering panel over the retainers (4/2) of the base and rotate the top covering panel downwards completely onto the base. The upper oblong holes (4/3) on the covering panel lock into the sockets (4/4) in the base.

6.5.1 Reset the number of sprayings to 0.
   Attention! Reset the number of sprayings to 0 in the program menu!
   Attention! The air must be bled out of the BREEZE system!

Enter program menu PrP4.
Press the STOP button in the program menu PrP4 and then press the START and STOP buttons simultaneously for 4 seconds.
The number of sprayings is set to 0.
Go into Program Menu PrP5 to bleed the air from the system.
In position PrP5 (Deaerate BREEZE) press the STOP button for max. 1 minute until the spray nozzle shows a light spraying cone.
If you disconnect the unit from the power supply within 5 minutes the parameters you have changed will be saved and activated.
Wait 1 minute before reactivating the pump of the BREEZE system.
See also Sec. 5.1 and the operating diagram in Sec. 5.1.3-5.1.4.

7 TIPS FOR RECTIFYING SMALLER FAULTS
Always unplug the unit before you begin servicing and repair work.
Repairs must only be carried out by authorised persons.
Safety features must not be disassembled or put out of operation.
The unit must be tested to DIN VDE.

- Dark spots at the lamp ends
Dark areas near the ends of the lamp when switched off have no detrimental effect on the performance of the unit. Replace the starter to be on the safe side.

- One or more lamps not lit (change starter)
Changing the starter
1. Remove the appropriate acrylic panel.
2. Ensure the starter is mounted correctly.
3. Take out the starter (see Table 2) from the lamp which does not light by turning it anticlockwise and then reinsert it by turning it clockwise.
4. If the lamp still does not light then insert the starter of an intact lamp.
5. If this does not work, you must check the lamp.
6. Insert the lamp which does not light into a socket of a lamp which works. If the lamp does not light, it is defect and has to be replaced. If it does light up, there is an electrical fault in the equipment.

Inspection by PC MARKETING or an inspection centre named by PC MARKETING.

<table>
<thead>
<tr>
<th>Starterposition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canopy</td>
<td>At base end lamp sockets Lower interior canopy</td>
</tr>
<tr>
<td>Bed</td>
<td>Open up bed panel Remove lower acrylic panel</td>
</tr>
<tr>
<td>Long illumination lamp</td>
<td>At corresponding lamp socket</td>
</tr>
</tbody>
</table>

- Tanning canopy or tanning bed gets too hot
1. Check if the air filters (filter mats) are blocked.
2. With direct air return, ensure that the warmed cooling air is carried away properly.
The air must not be trapped in the hose or ventilation duct since this can cause the unit to overheat. The outgoing air hose must be laid without knicks.
Further information about effective ventilation can be found in the “Ventilation Tips” catalogue available either from us or from your specialist dealer.
8 DISPOSAL
Lamps
Fluorescent lamps, high pressure lamps and illumination lamps are hazardous waste. Do not dispose of them in the domestic waste. Your local authorities will inform you where the lamps can be disposed of.

Equipment
Dispose of defective equipment according to national regulations.

INFORMATION FOR ENGINEERS AND PC MARKETING SPECIALISTS

9 INSTALLATION OF THE PROF UNIT
The unit may only be set up by PC MARKETING personnel or authorised persons. At least two people are required to set up the unit. The rooms for setting up and operating the unit must be well ventilated or there is danger of the unit overheating.

9.1 Installation site and delivery condition
The unit is transported and delivered preassembled on a pallet. The unit is firmly secured on the pallet with straps and wrapped in protective wrap. The pallet must be unloaded on-site using a hydraulic ramp or forklift truck. The unit must be dismantled on the pallet and then transferred to and reassembled at the installation site. All units are intended solely for tanning indoors. The unit must only be operated in areas free from the danger of explosions and in dry rooms. The rooms must be well-ventilated.

9.2 Assembly and installation
1. Remove the straps and the protective sheet.

9.2.1 Removing the canopy interior
Removing the canopy interior and acrylic panel
1. Push up the canopy and remove the upholstered head rest and other component parts. Take the Allen key.
2. Unscrew the three hexagon bolts (2/2) of the interior canopy with the Allen key.
3. Tilt the interior canopy (2/3, with the acrylic panel) downwards with the front long side to the bottom until the frame rests on the bed. Lower carefully!
4. Disconnect the plug connection of the interior control board (2/6).
   Attention! The plug has a safety catch. Press the button on the plug to release it.
5. Open up the interior canopy to the front longitudinal side and lift out the interior canopy with the two retaining brackets (2/7) at the rear canopy longitudinal profile.
6. Carry the canopy to the installation site.

9.2.2 Removing the bed
Fitting the Bed Panel
1. Turn the slot of the bolts (3/7) to the vertical position using a coin.
2. Two people should stand at either end of the bed panel.
3. Raise the bed panel at the front longitudinal side and lift the bed panel simultaneously at its rear aluminium profile (3/9) until the profile slides out of the guide rolls.
4. Lift out the acrylic panel. Handle with care! Do not scratch the ventilation cover when lifting out the acrylic panel.
5. Carry the bed panel to the installation site.

Further dismounting
1. Remove the two brackets (3/5) to the top.
2. Lift out the bottom acrylic panel at the grip hole (3/4) and carry it to the installation site.
3. Take out the lamp brackets (3/6) on both sides.

9.2.3 Removing the mounting boards and air conditioning unit
Removing the large covering panel in front of the base
1. Slightly raise the covering panel (4/5) at the front of the base and remove it to the front.

Removing mounting boards
1. Unscrew the two hexagonal bolts M 4 x 12 (5/1) with the Allen key and lower the left covering panel (5/2, control board).
2. Turn the bolt (7/1) on the right hand covering panel and lift out the covering panel (7/2) (only for model with air conditioning unit).
3. Disconnect all plugs from the control board (5/2) and take the control board to the installation site. The yellow-green ground wire at terminal No. 10 on the control board must also be disconnected.
4. Disconnect all other plug-in connections between the unit and the mounting boards (6/3, 6/4, 6/5).
5. Remove the long front rail (5/3).
6. Pull the three mounting boards - canopy (6/5), face tanner canopy (6/3) and bed (6/3) - out of the guide rail (6/2) and take them to the installation site.
Removing the air conditioning unit
1. Remove the retention bracket (7/3) in front of the air conditioning unit.
2. Check to ensure that the cable of the air conditioning unit has been unplugged.
3. Carefully pull out the air conditioning unit (7/4) to the front.
4. Take the air conditioning unit to the installation site.

9.2.4 Removing the canopy
Removing canopy
1. Detach the 16 mm dia. cable clamps at the three canopy cables from the inside of the base. Detach the yellow-green ground wire (from the canopy) at the inside left of the base.
2. Unplug the interior control cable at the inside left of the base (7/5).
3. Detach the cover (8/3) at rear from the flue (8/1, 4 screws).
4. Remove the flue (8/1, 6 screws) and pull the canopy cable through to the top.

Further disassembly
1. Loosen the tube which is fixed on the inner side of the cover (8/3) with two mountings (8/4).
2. Take the vent chimney (8/1) and the cover (8/3) to the installation site.
3. Roll up the canopy cables behind the tube and fix them.
4. Place the canopy at its highest position and support the canopy at the front side wall.
5. Loosen both superior covers (9/11) at the 2 rear feet (9/4).
6. Eliminate both lateral covers (9/10) at the 2 rear feet.
7. Loosen both screws (9/7).
8. Unhinge the springs from the upper bolt (9/5).
9. Unhinge the lower bolt (9/9) from the eyelets of the springs (9/8).
10. Proceed the same way with the springs at the upper side.
11. Then lower the canopy towards the bed which you have covered with polystyrene or squared timber prior to lowering.
12. Loosen the self-locking nut (9/1).
13. Remove the bolt with discs and bushing from the mounting (9/3).
   After having loosened this screwed connection, you can take out the canopy.

9.2.5 Removing the housing parts
Removing the ventilation covers
1. Unscrew the two 60 x 14 screws (10/6) at the front and back of each ventilation cover (10/5).
2. Pull the face end and base end ventilation covers together with the supporting rod towards the centre of the unit. The snap-on fixing (10/4) unlocks and the ventilation covers can be taken out.

Removing the base side covers
1. Start with one cover and unscrew the 4.8 x 9.5 screw (10/2) at the front bottom of retention bracket.
2. Then unscrew the screw (10/3) leading to the cover.
3. Unscrew the 60 x 14 screw (10/7) which is screwed into the cover through the retention bracket (10/8).
4. Remove the nuts of the two DIN 933 M 6 x 12 screws (10/9) which are screwed through the retention brackets into the aluminium profile slightly and push the bracket a little to the centre of the unit.
5. Carefully pull off the cover. The openings of the cover (10/1) slide over the longitudinal aluminium profile of the base.
6. Repeat for the second cover.
7. Roll up the canopy cables behind the hose and fix them.

9.2.6 Disassembling the Kinematics Holder (if necessary due to shape of building)
Disassembling the Kinematics Holder
1. Unscrew the four slotted cylinder head screws 6 x 20 (11/3) with washers from the kinematics holders (11/1).
2. Slightly loosen the M 6 nut of the screw (11/6) which has its shank inserted in the slotted recess (11/4) of the holder.
3. Lift up the base (11/9) slightly and remove the kinematics holder (11/1) from the bottom.
4. Do the same with the second kinematics holder.
5. Also disassemble the upper part of the chimney (8/8) if necessary.
6. Make sure you fix the long front rail (5/3) in front of the base and take the base complete with frame to the place of installation.
   The front rail (5/3) must be mounted when carrying!

9.2.7 Assembling the Base
Assembling the Base and Kinematics
1. Install the base (11/9) in the solarium room according to the geometrical conditions.
2. If you have disassembled the two kinematics holders (11/1) of the base beforehand, these must be disassembled.
3. Lift up the base slightly at the rear and insert the kinematics holder (11/1) with foot into the base from below.
Warning! There is a right and a left kinematic holder.
4. Push the head of the screw DIN 933 M 6 x 20 (11/6) in the groove (11/5) towards the centre of the unit until the shank of the screw is sitting in the slotted recess (11/4) in the holder.

5. Secure the bolt (11/6) with a nut and washer.

6. Screw in the 4 slotted cylinder head screws 6 x 20 (11/3) with one washer each to fix the kinematics holder.

7. Mount the second kinematics holder in the same way.

8. Adjust the five feet (11/2) according to floor conditions.

9. Tighten the feet against the base with an M 10 nut (11/8) and washer.

10. Check whether the shielding panel (21/2) in the intermediate wall of the base is mounted when the unit is operated without an air conditioning unit.

11. Mount the upper part of the chimney “connection warm air recirculation” (8/8) with six screws 4.2 x 9.5 if you have dismantled it beforehand.

9.2.8 Fitting the canopy

1. Place the canopy on the bed which you have covered before with polystyrene or squared timber at the front edge.

2. Insert the bolt (9/2) with the canopy mounting into the cinematic support (9/3) and tighten it with the discs and the self-locking nut (9/1).

3. The canopy mounting with bolt (9/2) and washer must be suspended between the 2 mountings of the cinematic support (9/3). Fix tightly!

4. Raise the canopy to its highest position and fasten the springs.

5. The two tubes (9/8) must be suspended from the upper bolt (9/5).

6. Then fix the springs at the lower bolt (9/9).

7. Screw the screw (9/7) through the mounting (9/6) of the cinematic support (9/3) and the lower bolt (9/9).

8. Proceed the same way with the cinematic support at the upper side.

9. Tighten the screw (9/7) evenly at both cinematic supports. The springs are pretensioned in such a way that the canopy remains suspending at each aperture angle.

10. Mount the cover (9/10) and then the cover (9/11) of the cinematic support.

11. Draw the three canopy cables and the service panel cable through the cover (8/3) of the vent chimney.

12. Draw the tube (8/7) through the round fixing edge of the cover and fix the tube with two mountings (8/4).

13. Put the canopy cables through the vent chimney (8/1) and through the slots of the round covers (8/6) towards the bottom into the interior base casing.

14. Tighten both lateral covers (9/11) at the 2 rear feet.

15. Tighten both upper covers (9/12) at the 2 rear feet (9/4).

9.2.9 Connecting the BREEZE tubes

1. Pull the T-Max cable (11/7) along the base end front side to the back.

2. Take the end front part (10/1) of the base and push it onto the ends of the two longitudinal aluminium profiles.

3. Fasten the bracket (10/2) to the housing.

4. Screw in the screw (10/3) in the end section.

5. Mount the retention bracket (10/8) flush with the end face part and tighten the 60 x 14 screw (10/7) in the end face.

6. Fasten the nuts of the two DIN 933 M 6 x 12 screws (10/9) to the bracket.

7. Repeat for the face end at the head end.

8. Insert the ventilation grid with supporting rod (10/5) from the inside into the end part until it snaps in with a click (10/4) and screw in the 60 x 14 screw (10/6) at the front and at the rear.

9. Repeat for the second ventilation grid.

9.2.10 Fitting the housing parts

1. Pull the T-Max cable (11/7) along the base end front side to the back.

2. Take the end front part (10/1) of the base and push it onto the ends of the two longitudinal aluminium profiles.

3. Fasten the bracket (10/2) to the housing.

4. Screw in the screw (10/3) in the end section.

5. Mount the retention bracket (10/8) flush with the end face part and tighten the 60 x 14 screw (10/7) in the end face.

6. Fasten the nuts of the two DIN 933 M 6 x 12 screws (10/9) to the bracket.

7. Repeat for the face end at the head end.

8. Insert the ventilation grid with supporting rod (10/5) from the inside into the end part until it snaps in with a click (10/4) and screw in the 60 x 14 screw (10/6) at the front and at the rear.

9. Attention! The rubber buffer of the supporting rod must point to the back!

9.3 Fitting the mounting boards and air conditioning unit (if required)

1. Remove the long front rail (5/3) in front of the base.

2. Push the air conditioning unit (7/4) into the recess at the back of the base as far as it will go and left to the partition wall.

The cable of the air conditioning unit must be in front of the air conditioning unit.

3. Align the air conditioning unit with the bracket (7/3).
Inserting the mounting boards
1. First insert the mounting board canopy (6/5), then the canopy mounting board (6/4) and finally the bed mounting board (6/3) into the guide rail (6/2) as far as it will go to the back of the base.
2. Fit the long front rail (5/3) in front of the base.
3. Place the control board (5/2) with the electrical components pointing upwards in front of the mounting boards. The unit is supplied without power cable and must be installed on site by a qualified electrician.

The power cable is connected via a pressure screw on the left side of the equipment to the outside.
4. The electrician should pull the power cable through the pressure screw (11/10) to the control board on the inside and fasten the pressure screw tightly.
5. Connect the power cable to the control board (see Sec. 9.5)
6. Pull the air conditioning cable of the control unit through the recess in the base partition wall to the right and connect it to the air conditioning unit.
7. Connect all plug-in connections (6/1) between unit, mounting boards, and control board.

The plug connections are shown in the following table. Also connect the yellow-green ground wire to clamp 11 on the control board.

<table>
<thead>
<tr>
<th>Mounting Board</th>
<th>Mounting Board</th>
<th>Mounting Board</th>
<th>Mounting Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 Control</td>
<td>No. 2 Bed</td>
<td>No. 3 Canopy</td>
<td>No. 4 Canopy</td>
</tr>
<tr>
<td>X1, 18-pin</td>
<td>X4, 18-pin</td>
<td>X7, 18-pin</td>
<td>X8, 18-pin</td>
</tr>
<tr>
<td>Face tanner canopy</td>
<td>X4, 18-pin</td>
<td>X10, 18-pin</td>
<td>X9, 18-pin</td>
</tr>
<tr>
<td>Warm air recirculation (accessories)</td>
<td>X14, 9-pin</td>
<td>X12</td>
<td></td>
</tr>
<tr>
<td>Air conditioning unit (option)</td>
<td>X12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bed</td>
<td>X2, 18-pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bed</td>
<td>X3, 18-pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canopy</td>
<td>X5, 18-pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canopy</td>
<td>X8, 18-pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canopy</td>
<td>X9, 18-pin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mounting the large covering panel in front of the base
1. Insert the large covering panel (4/5) from the front parallel to the base.
2. First hang the lower hooks (4/1) of the covering panel over the retainers (4/2) of the base and rotate the top covering panel downwards completely onto the base. The upper oblong holes (4/3) on the covering panel lock into the sockets (4/4) in the base.

9.3.1 Fitting the Bed
Fitting the bed
1. Place the two lamp covers (3/6) on the socket carrier. The M 6 x 10 screw heads of the socket carrier sheet fit into the holes (12 mm dia.) in the lamp cover (3/6).
2. Place the flat acrylic panel (3/10) with the grip hole to the front between the screws (3/8) of the lamp cover.
3. Place the two brackets (3/5) with their slot holes over the screw heads of the lamp brackets (3/6).
4. With one person at each end, pick up the bed panel (3/1) and hold it over the bed so that the front longitudinal side is raised upwards.
5. Guide the rear edge of the bed panel with its aluminium profile (3/9) into the longitudinal aluminium profile of the bed.
6. Lower the front of the bed panel until it rests on the bed.
7. Turn the slot of the bolts (3/7) to the horizontal position.
9.3.2 Fitting the Canopy Frame

Fitting the interior canopy:
1. Fit the interior canopy with its brackets (2/7) into the rear canopy longitudinal profile and lower its front longitudinal side onto the bed.
2. Connect the plug to the interior control board (2/6).
3. Lower the interior canopy towards the canopy and turn the three hexagonal bolts (2/2) with the Allen key.
   The interior canopy is fixed.

9.4 Connecting the Exhaust

Warning! Important Information!

Only feed the heated cooling air through a direct air outlet (central exhaust) from the exhaust air channel of the unit (picture 22).
Therefore it is essential to connect the air extraction duct to the exhaust air channel of the unit with which you can feed out the exhaust air.

Warning, Important Information! Please Read, Danger of Overheating!

If the exhaust air is discharged to the atmosphere via a ventilation shaft, ensure minimum flow resistance inside the shaft. Fit a booster fan if required. In this case please consult an air-conditioning / ventilation engineer.
The discharge airflow is approx. 1,500 cfm/hour. The same amount of fresh air must be aspirated into the cabin of the unit. You must therefore install fresh air vents in the cabin wall with an open cross section of at least 1500 cm².

- Air extraction flue (Figure 20 and 21)
The air must be taken directly from the exhaust duct of the unit by a special air extraction duct.

Please ask for more details!

9.5 Electrical connections

Warning:

Electrical connections must be carried out by a qualified electrician in accordance with the valid DIN, VDE and UVV specifications. The persons setting up the unit must test the unit and write a report in accordance with DIN VDE 0701 or another adequate national norm. The maximum power system impedance must be limited to (0,33 + j 0,207) ohm.

The unit is not delivered with a power cable for connection. The three-phase current cable must be installed by a licensed electrician. The appropriate wiring diagram is supplied with every unit.

1. Install a separation device in the permanently fixed electrical installation to separate the mains power with a contact opening of at least 3 mm on each pole.

Power Connection

---

**Power Connection Diagram**

- **X52**
  - L1, L2, L3, GRD
  - 3~60Hz 220V
  - 1N~60Hz 110V (air conditioning)
  - 2~60Hz 220V
  - 1N~60Hz 110V (air conditioning)

---
9.6 Coin meter or central control desk
The unit may only be connected by a qualified electrician in accordance with DIN VDE 0100 or another national norm.

Fitting the Coin Meter
1. Open the unit.
2. Separate the cable connection between the door and housing.
3. Remove the main door and coin container.
4. Push out the holes you require in the housing for the power cable.
5. Screw the cable glands supplied into the openings.
6. Mount the unit with 3 plugged screws.

The unit must be fitted vertically to a solid, vibration-free wall.

Function
7. Pull the mains cable and control wires through the cable glands.
8. Connect the cables to the labelled connections.

It is essential to provide an all-pole mains disconnector (contact opening 3 mm) between the coin timer and power supply and an earth connection.

Function
9. Connect the cable connections between the mains supply circuit and the main board and earth.
10. Insert the coin container and the main door.
11. Close the unit.

Information on operating and setting the unit can be found in the coin meter operating instructions.

For safety reasons, ensure that the maximum tanning session with these units is limited: to 15 minutes by Unit Type 7019/170b HD (lamps COSMEDICO COSMOLUX VHO 160 W)

9.7 T-Max Timer
The unit may only be connected by a qualified electrician in accordance with the appropriate national norm.

Unplug the unit.
The T-Max cable (24/2, 10 meters long) is supplied with every unit. Plug the plug (24/3) of the T-Max cable into the T-Max adapter (24/4) of the control board (24/5). Feed the cable through the recess (11/12) of the base outside and connect the cables at the T-Max Timer (24/1). Remove the connections of the table in picture 24. The wiring diagram of the T-Max Timer see picture 23.

Information about assembling and other important facts draw from the T-Max guide, which is supplied every T-Max Timer.
10 TECHNICAL DATA

10.1 Technical specifications, dimensions and UV type*

Technical specifications

<table>
<thead>
<tr>
<th>SILVER BULLETSE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit model</td>
<td>7019/170 HD</td>
</tr>
<tr>
<td>POWER [kW]</td>
<td>11,52</td>
</tr>
<tr>
<td>Operating voltage [V]</td>
<td>3N PE–60 HZ 400 V, 3 PE–60 HZ 220 V, 1 N PE–60 HZ 220 V</td>
</tr>
<tr>
<td>Amparage [A]</td>
<td>40 / 80</td>
</tr>
<tr>
<td>Weight [kg]</td>
<td>450-500</td>
</tr>
<tr>
<td>Dimensions:</td>
<td></td>
</tr>
<tr>
<td>Length [inch]</td>
<td>89.76</td>
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<tr>
<td>Depth [inch]</td>
<td>52.72</td>
</tr>
<tr>
<td>Height open [inch]</td>
<td>72.83</td>
</tr>
<tr>
<td>Cabin L X W [inch]</td>
<td>95 x 87</td>
</tr>
<tr>
<td>Noise immission</td>
<td>≤ 70 dB (A)</td>
</tr>
<tr>
<td>Operating room temperature max. 35° C</td>
<td></td>
</tr>
<tr>
<td>The installation site must have a floor loading capacity of at least 110 lbs. and must be even.</td>
<td></td>
</tr>
</tbody>
</table>

*We reserve the right to make technical changes.

Lamp configuration

<table>
<thead>
<tr>
<th>SILVER BULLETSE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Modell</td>
<td>7019/170 HD 160/160 W</td>
</tr>
<tr>
<td>Canopy face</td>
<td>3 x OH N 30/50 EF 600 W + 2 x 250 W VARIUS</td>
</tr>
<tr>
<td>Canopy body</td>
<td>26 x COSMEDICO COSMOLUX VHO 160 W</td>
</tr>
<tr>
<td>Canopyilluminationuw logo</td>
<td>4 x PL-S 7 W / 840 2 P. Sock. 23</td>
</tr>
<tr>
<td>Bed</td>
<td>18 x COSMEDICO COSMOLUX VHO 160 W</td>
</tr>
<tr>
<td>Floor light</td>
<td>1 x 18 W / BLUE</td>
</tr>
<tr>
<td>Filter disc</td>
<td>One filter disc type 326 interference (product identification 02937)</td>
</tr>
<tr>
<td>Canopyillumination lamp</td>
<td>1 x 18 W / BLUE</td>
</tr>
</tbody>
</table>

**Turn off the power to the unit before changing lamps.**

**REPLACING INSTRUCTIONS**

**REPLACING LAMP TYPES**

**CAUTION: REPLACE ONLY WITH ORIGINAL LAMPS OR FDA APPROVED EQUIVALENT**

10.2 Sunlamp covering (Filter discs)
The sources of UV-light are covered in the canopy by a panel of 3 mm thick acrylic glass and in the bed by a panel of acrylic glass 5 mm thick and by a panel of acrylic glass 3 mm thick.
The acrylic panel and the bed panel can be ordered as LIGHTGLASS (frosted on one side) if required.
The high pressure lamps of the SILVER BULLETSE unit are covered with the following filter discs:
Three high pressure lamps: one filter disc type 322 interference (product identification 02935) each
The high pressure lamps are covered by a 3 mm thick polished acrylic panel.
A reflector made of mirror-finish rolled; electrolytically polished and anodized aluminum is fitted between the lamps and the canopy and bed support.

11 Customer Service Address

PC MARKETING
1040 WILT AVENUE
RIDGEFIELD, NJ 07657
1-800-FAST TAN

Warning
Accessories
Warm Air
Recirculation

air extraction duct
Dimensions in inch
Accessories
air extraction duct

Dimensions in inch
By using the external coinbox, disconnect the wiring to T-Max Adapter.

J3: contact
J4: 12V
J10: e. Start

RJ-45 Connector

A101
T-Max 3A

Connection on PWB side
J1: e. start 1
J2: e. start 2
J3: contact
J4: 12V
J10: e. Start