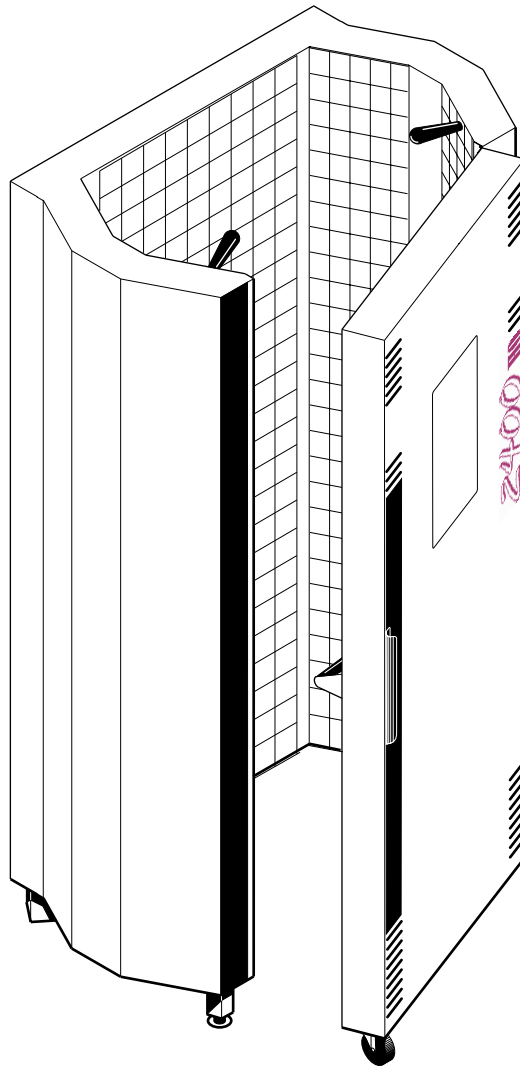


SunQuest®

ASSEMBLY AND USER GUIDE



M O D E L 2 4 0 0 H O

22037A

Limited Lifetime Warranty

SunQuest® warrants your tanning unit to be free of structural defects in its material and workmanship, under normal use, for its lifetime. **SunQuest** will repair or replace, at their discretion, any defect to the structure which affects the performance of the unit.

For 6 months from the date of purchase, **SunQuest** will provide replacements for parts that prove to be defective in material or workmanship. Acrylic shields, fluorescent lamps, and lamp starters are excluded from this warranty. Labor will be covered for 30 days from purchase date. Normal wear, damage from misuse or abuse, damage incurred in transit, or damage done by unauthorized repairs or modifications are not covered by this warranty.

ETS, Inc. disclaims any implied warranty of merchantability or fitness for any period beyond the expressed warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

No one has authority to change or modify this Limited Lifetime Warranty in any respect. To obtain service under the Limited Lifetime Warranty, contact **ETS, Inc.** at 1-800-228-6292, and ask for the Technical Service Department.

ETS, Inc. SHALL NOT BE LIABLE FOR LOSS OF USE, LOSS OF TIME, INCONVENIENCE, RENTAL OR SUBSTITUTE PRODUCTS, LOSS OF BUSINESS, LOSS OF INCOME, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

All warranty service must be performed by an authorized service person. If your tanning unit must be returned for service, all freight charges must be at your expense. Contact your place of purchase for the address of the **SunQuest** Service Center nearest you. Proof of purchase is required to obtain warranty service.

This warranty covers the original purchaser only. This warranty is void if the unit is modified in any manner from its original design.

Welcome



Congratulations on your purchase of this technologically advanced sun tanning unit. It has been designed to provide years of dependable service for you.

Please read all the instructions in this booklet before installing and using the unit. Always be sure to observe all safety precautions.

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Safety Information



LABELING NOTICE: Labels are affixed on all systems to inform the user of possible dangers. Regulations are stated in 21 CFR, Section 1040.20, and require that all products manufactured after September 8, 1986 which use sunlamps must display the following:

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

Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

Do not use without clear plastic panels (or wire grid for models using wire grid) in place. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Frequency of sessions should be limited to every other day. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

RECOMMENDED EXPOSURE TIMES IN MINUTES		MAXIMUM EXPOSURE TIME IS 20 MINUTES				
Skin Type:	Week # Session #	Week 1 1st-3rd	Week 2 4th-6th	Week 3 7th-10th	Week 4 11th-13th	Subsequent Maximum
I Sensitive Skin (Burns easily and severely and does not tan.)		NOT RECOMMENDED FOR TANNING				
II Light (Burns easily and severely and tans minimally.)		4	8	12	16	20
III Normal (Burns moderately and tans average.)		6	10	15	20	20
IV Dark (Burns minimally, tans easily and above average.)		8	12	16	20	20

New lamps emit approximately 20% more UV during the first 50 hours of operation. Recommended tanning times should therefore be reduced by approximately 20% during that period.

For a uniform tan, center yourself within the booth both front and back and to the left and right. This will result in your body being equidistant from all lamps. Other positions may result in overexposure to parts of your body.

Use only the lamp listed below or certified equivalents as failure to will result in noncompliance with federal regulations.

Velocity™ Wolff® Model VEL71-T12-100W

Provided eyeshields (Lucas Products Super Sunnies or Intrexco No. 5635/1) or equivalent eyewear as defined under 21 CFR 1040.20. Other types of eyewear may not provide adequate protection. Disconnect power before attempting to clean, relamp, or engage in the maintenance of this product.

THIS PRODUCT IS IN CONFORMITY WITH PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR PART 1040.20

Installation



Unpacking and Inspection

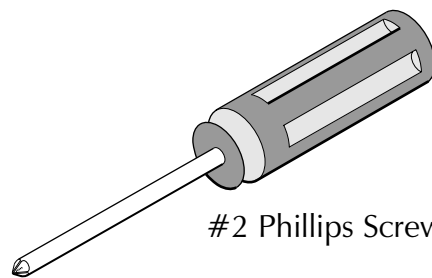
When removing the unit from its carton, always have two people available to help. We suggest having a moving dolly available to facilitate moving the unit into place.

After unpacking the unit, inspect it for any visible damage. Report the extent of any damage to the transportation company. Within the same package you found this manual, you should have a pair of goggles, the outside door handle (to be installed later) and a complimentary start-up kit.

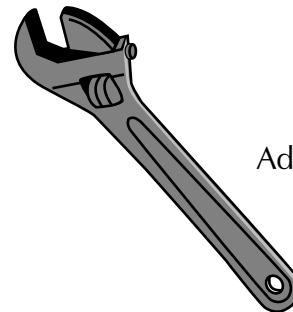
Record the serial number of the booth in the area provided on the back of this manual. This information will be required whenever you call customer service.

Tools Required

You will need the following tools to assemble your sun tanning booth.



#2 Phillips Screw Driver



Adjustable Wrench



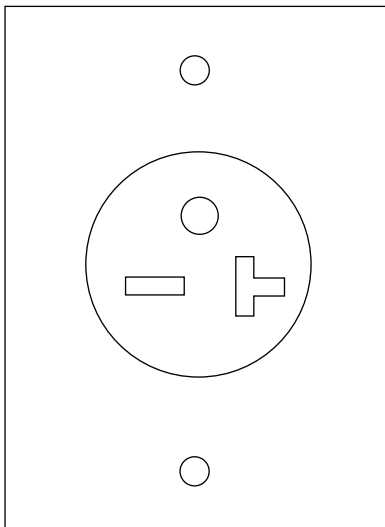
Pre-Installation Planning

Before you begin to assemble your booth, you should observe the following pre-installation considerations.

- Your booth operates from a 220V AC source. You should have a NEMA 6-20R electrical outlet (like the type shown below) installed in the room in which you will use the unit. The outlet should be on a dedicated circuit capable of providing 20 Amp service. (We recommend installation by a professional electrician.) The outlet must be earth grounded.
- If necessary, to get through small doorways, your booth's door can be removed. Disconnect the door's power cord located at the top of the door, then remove the screws along the door hinge.
- The SunQuest® 2400 HO must be installed in a room with a minimum ceiling height of eight (8) feet.

IMPORTANT!

Use of a voltage source above 230V AC may prevent proper operation of the booth and could cause damage and void the warranty.



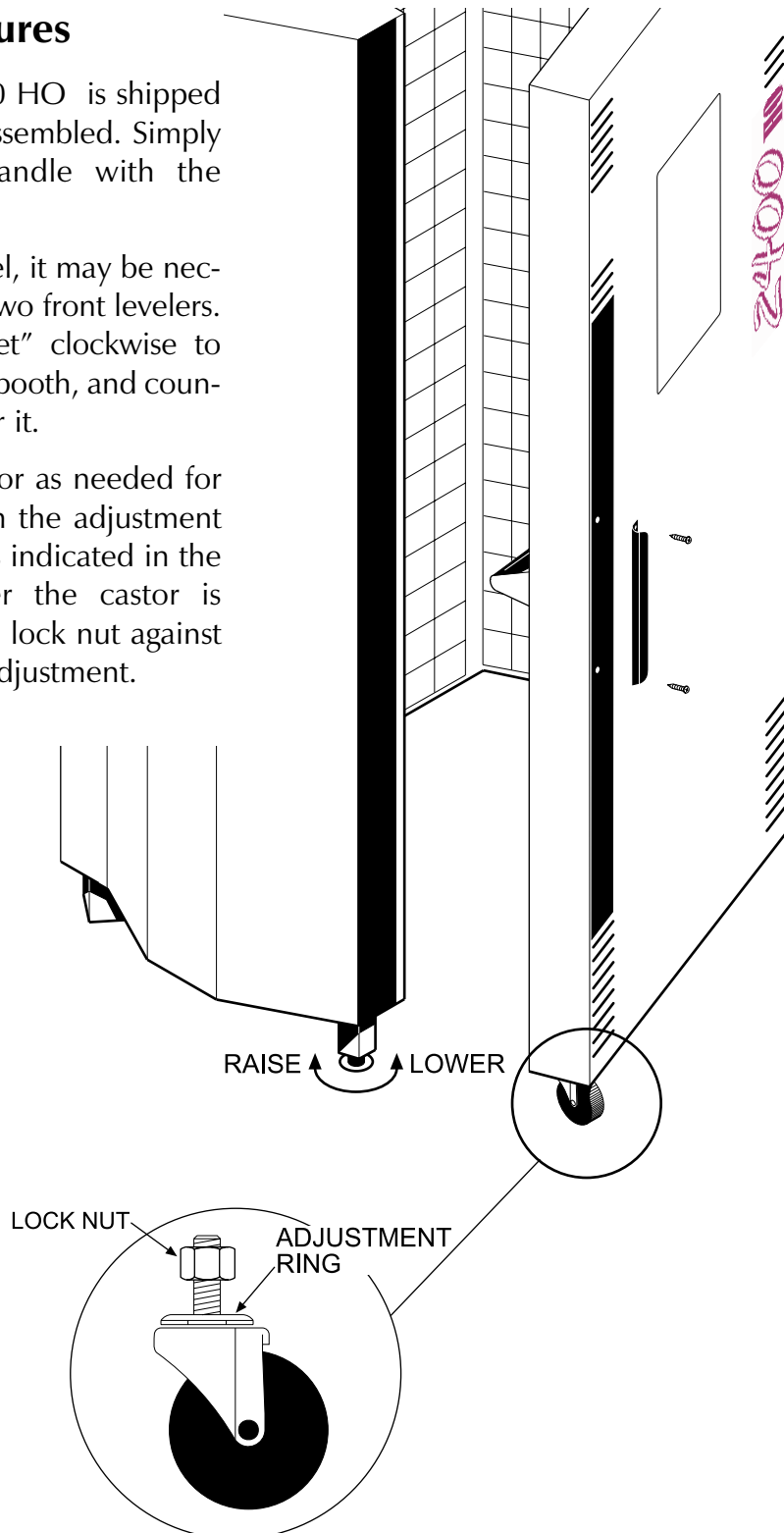
20 AMP NEMA #6-20R RECEPTACLE

- Make sure the room in which you intend to use your booth is well ventilated. Air from the room is used to cool the booth, and a poorly ventilated room may cause the unit to become hot and cause discomfort to the user.
- Your booth is designed to operate in an ambient room temperature of 80°F maximum and 70% relative humidity.
- Place your booth no closer than 6" from any wall. Make sure that curtains, drapes, and other room furniture do not obstruct airflow.
- Proper installation of your booth requires three people. Plan to have a couple of helpers assist you.



Assembly Procedures

1. The SunQuest® 2400 HO is shipped almost completely assembled. Simply install the door handle with the screws provided.
2. If your floor is unlevel, it may be necessary to adjust the two front levelers. Turn the round "feet" clockwise to raise the front of the booth, and counterclockwise to lower it.
3. Adjust the door castor as needed for proper door fit. Turn the adjustment ring in the directions indicated in the previous step. After the castor is adjusted, tighten the lock nut against the door to secure adjustment.

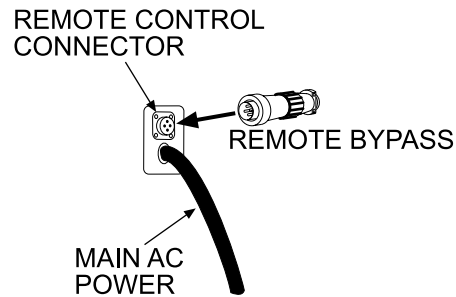




Making Electrical Connections

Warning! Be sure AC power is disconnected before connecting cables.

1. Your booth is designed to accept an input from a remote control device. The remote control is optional and is not included with your booth. If you choose not to use a remote control, connect the remote control bypass to the remote control connector, located next to the power cord in back of the booth, as shown. Your booth will not operate without the bypass connected. If remote operation is desired, a remote cable assembly is required. Contact ETS, Inc. as described on the back cover of this guide.



Operation



Before You Tan

Before using your booth, please note the following important precautions:

- Some medication may **increase your sensitivity** to ultraviolet light. It is recommended that you consult a physician before using this booth if taking any medication or if you suspect that your skin might be especially sensitive to sunlight. Included with this manual is an FDA booklet on medications that increase sensitivity to light.
- As with all electrical appliances, **do not operate this device near water or while you are wet.**

Exposure Times

We recommend that you tan every other day, following the tanning times in the exposure schedule. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

Follow the guidelines for skin type and exposure times as shown in the table below.

RECOMMENDED EXPOSURE TIMES IN MINUTES		MAXIMUM EXPOSURE TIME IS 20 MINUTES				
Skin Type:	Week # Session #	Week 1 1st-3rd	Week 2 4th-6th	Week 3 7th-10th	Week 4 11th-13th	Subsequent Maximum
I Sensitive Skin (Burns easily and severely and does not tan.)		NOT RECOMMENDED FOR TANNING				
II Light (Burns easily and severely and tans minimally.)		4	8	12	16	20
III Normal (Burns moderately and tans average.)		6	10	15	20	20
IV Dark (Burns minimally, tans easily and above average.)		8	12	16	20	20



Using Your Booth

Once you have read *Before You Tan* and *Exposure Times*, you are ready to use your booth. Proceed as follows.

WARNING! Your booth is designed for individual use. Only one pair of protective goggles is provided. **Always** wear these or another approved pair of goggles. Regular sunglasses **do not** provide adequate protection from ultraviolet light. You should never look at the lamps when turned on without wearing the appropriate protective goggles.

Step 1. Set the timer to the desired number of minutes (after first determining the proper time period from the *Exposure Times* chart). The lamps will turn on as soon as you move the rotary dial from the “0” position.

Step 2. For a uniform tan, center yourself within the booth both front and back and to the left and right. This will result in your body being equidistant from all lamps.

Step 3. When the timer reaches 0, the lamps will automatically turn off. The cooling fans run for 3 minutes after the lamps shut off to aid in cooling the booth.

Note! Customers using a remote system with this product will find that if the remote timer is set for less time than the booth timer the cool down time will be the tanning time remaining on the booth timer plus the normal cool down.

Example: The remote timer is set at 15 minutes and the booth timer is set at 18 minutes. The lamps will shut off at 15 minutes. The fans will run for the remaining 3 minutes and then continue to run during the cool down cycle.

Care & Maintenance

Cleaning After Use

Clean and disinfect your tanning booth after each use. Use a non-abrasive disinfectant cleaner. Spray a clean, soft cloth with disinfectant and wipe the wire grids, handles, etc., then wipe dry. We recommend *SunQuest*® disinfectant.

Thorough Periodic Cleaning

Introduction

Over time, as air is drawn through the booth, a dust buildup will occur on the lamps and reflectors. This will reduce the tanning effectiveness of the booth. When a dust buildup is observed, it is necessary to thoroughly clean the inside of the booth.

Warning! Disconnect booth from electrical power before cleaning.

Cleaning the Booth

- Step 1.** Remove the wire grids and lamps as described in *Replacing Lamps*.
- Step 2.** With a soft cloth, wipe the entire length of each lamp and reflector to remove any dust or film buildup.
- Step 3.** Re-install the lamps and wire grids.

Mechanical Inspection

Your tanning booth has been built for years of service. To ensure trouble-free operation throughout its life, inspect the unit's mechanical integrity every 400-500 hours of use.

- Inspect the unit's fasteners verifying that all are firmly in place. Pay particular attention to the door alignment. Adjust the door castor as needed.
- Inspect the AC power cord and its connections.



Replacing Lamps

Introduction

Your tanning booth has an hour meter, located above the timer, which keeps track of how many hours the booth has been in operation. Use this meter to determine when your tanning lamps should be replaced. To be assured of maximum tanning effectiveness, change lamps after approximately 800-1000 hours of use. Tanning will continue after this time but at a slower rate. To ensure trouble-free operation of your booth, replace the lamp starters whenever the lamps are replaced.

Warning! Disconnect the booth from electrical power before servicing.

Removing/Replacing Wire Grids

The wire grids in the booth are secured in place by screws, located at the top and bottom of the grid. Remove these screws to remove the grid. After changing lamps, replace the grids and screws.

Removing/Replacing Lamps

After removing the wire grids, replace lamps as follows:

- Step 1.** Grasp the lamp at one end and at the middle, then turn the lamp a quarter turn. The lamp may then be gently removed from its holder.
- Step 2.** To re-install a lamp, insert the pins located on the ends of the lamp into the slots on top of the lamp holder and turn the lamp a quarter turn.

Recommended Replacement Lamps

We recommend using the lamp specified below. Use of uncertified lamps is a violation of federal regulations and will void your warranty. These lamps have an average life of 800-1000 hours of effective tanning use. Lamps used longer than that begin to lose their effectiveness even though they will continue to light.

Only the following lamp type has been certified for use in **SunQuest** Solariums

Application	Lamp Model Number
SunQuest® 2400 HO	Velocity™ Wolff® Model VEL71-T12-100W



Timer Maintenance

Your SunQuest® booth is equipped with a backup shut-off timer which will automatically turn off the booth in the unlikely event of a malfunction of the primary timer. This important safety feature also prevents the user from achieving a session time greater than the preset maximum. The backup shut-off timer is automatically reset each time the primary timer is turned to the OFF position.

Annually, or whenever your booth is re-lamped, check the operation and accuracy of the timer system as follows. DO NOT perform these tests with a person in the booth.

Step 1. Obtain an accurate watch capa-

ble of measuring in seconds. Set the timer to its maximum interval. Using the watch, time how long the lamps remain on. The lamps should shut off within plus or minus 10% of the maximum timer interval.

Step 2. Set the timer to the maximum time interval. Wait ten minutes, then turn the knob back to the maximum time position. The electronic time limiting circuit should turn the lamps off at an elapsed time equal to approximately 10% beyond the maximum timer interval, even though the primary timer continues to show time left.

Call ETS Customer Service if your timer does not operate properly, or if you experience difficulty with these tests.

Troubleshooting



Problem/Solution Chart

Problem	Solution
Booth not tanning	<ol style="list-style-type: none">1. Clean booth, see <i>Thorough Periodic Cleaning</i>.2. Replace lamps if lamp hours are over 800 hrs.3. Ensure supply voltage is between 208V and 230V AC.
Lamps fail to light	<ol style="list-style-type: none">1. Check source of AC power. Reset circuit breaker or replace fuse if necessary.2. Make sure unit is plugged into outlet.3. Make sure timer dial is turned to a number past 0.4. Make sure remote bypass is installed, or remote system is working.5. Check remote system fuses. Fuses are located inside the back panel directly above the remote connector, at approximately eye level. Replace with same type and rating if blown.
One or more lamps fail to light	<ol style="list-style-type: none">1. Check that lamp is installed correctly.2. Switch unlit lamp with a lamp that lights. If the new lamp lights and the old lamp still does not, replace old lamp.3. If replacing lamp does not remedy problem, contact your service representative.
Booth does not stay lit	<ol style="list-style-type: none">1. Check source of AC power. Reset circuit breaker or replace fuse if necessary.2. Check timer system per maintenance instructions in this guide. Contact your local service representative.

**CALL FOR SERVICE OR
QUESTIONS:**

1•800•228•6292



**6270 Corporate Drive
Indianapolis, IN 46278-2900**

Have the following information ready
when calling ETS to order parts or service
for your booth:

Date Purchased _____

Booth Serial Number _____