



ASSEMBLY AND USER GUIDE

M O D E L   S U P E R   2 4 0 0   H O  
21740A

# Lifetime Warranty

---



## What Is Covered?

*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.

## How to Obtain Service

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.

## Other Provisions

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

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

# 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.

# Contents

---



<b>Safety Information</b> .....	<i>iii</i>
<b>Installation</b> .....	<b>1</b>
Tools Required .....	1
Assembly .....	1
Electrical Requirements .....	2
<b>Operation</b> .....	<b>3</b>
Before You Tan .....	3
Exposure Times .....	3
Using Your Booth .....	4
<b>Care and Maintenance</b> .....	<b>5</b>
Cleaning After Use .....	5
Thorough Periodic Cleaning .....	5
Mechanical Inspection .....	5
Replacing Lamps .....	6
Timer Maintenance .....	8
<b>Troubleshooting</b> .....	<b>9</b>
<b>Obtaining Service</b> .....	<b>11</b>

# 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, over-exposure 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 ultra-violet 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 over exposure to parts of your body.

## Velocity Wolf Model 71T12100W

Use only the above lamps or certified equivalents as failure to will result in non-compliance with federal regulations.

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

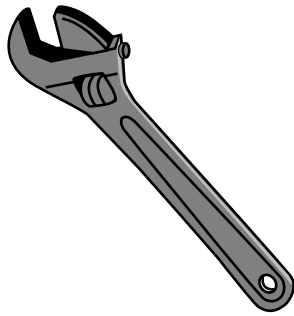
# Installation

---

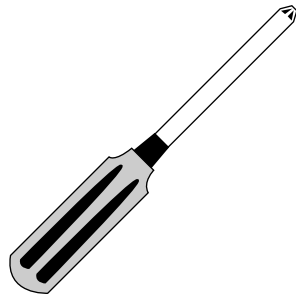


## Tools Required

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.



Adjustable wrench



#2 Phillips Screw Driver

## Assembly

1. The SunQuest Super 2400 HO must be installed in a room with a minimum ceiling height of eight (8) feet.
2. The SunQuest Super 2400 HO is shipped almost completely assembled. Simply install the door handle with the screws provided.
3. If your floor is unlevel, it may be necessary to adjust the two front levelers.
4. Adjust the door castor as needed for proper door fit.

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



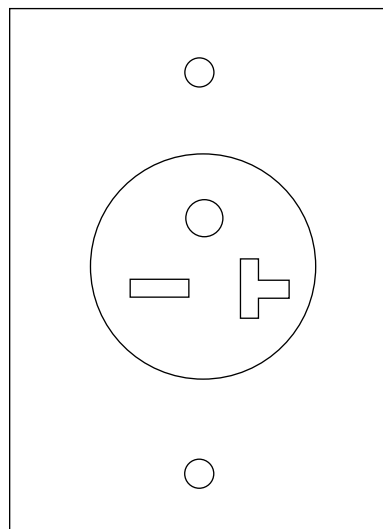
## Electrical Requirements

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.

### **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

- 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.
- 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.

# 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 ultra-violet 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 3-5 minutes after the lamps shut off to aid in cooling the booth.



# Care & Maintenance

---

## Cleaning After Use

Clean and disinfect your tanning booth after each use. Use a non-abrasive disinfectant cleaner. Spray the surface lightly with disinfectant and wipe dry with a clean soft cloth. We recommend *SunQuest* disinfectant.

## Thorough Periodic Cleaning

### Introduction

Over time as air is drawn through the booth a dust build up 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 on page 6.
- Step 2.** With a soft cloth, wipe the entire length of each lamp and reflectors to remove any film build-up.
- Step 3.** Re-install the lamps and wire grids as described on page 6.

## 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 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, remove these screws located at the top and bottom of the grid 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 lamps 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 types have been certified for use in SunQuest Solariums*

	Lamp Model Number
<b>2400</b> SunQuest Super 2400 HO	Velocity Wolff Model 71T12100W



## 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 re-setting the timer before the end of the pre-set maximum time interval. The electronic timer limiting circuit 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 capable 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**

<b>Problem</b>	<b>Solution</b>
Lamps fail to light	<ol style="list-style-type: none"><li>1. Check source of ac power. Reset circuit breaker or replace fuse if necessary.</li><li>2. Check that lamp is installed correctly.</li><li>3. Make sure timer dial is turned to a number past 0.</li></ol>
One or more lamps fail to light	<ol style="list-style-type: none"><li>1. Check that lamp is installed correctly.</li><li>2. Switch unlit lamp with a lamp that lights. If the new lamps lights and the old lamp still does not, replace old lamp.</li><li>3. If replacing lamp does not remedy problem, contact your service representative.</li></ol>
Booth does not stay lit	<ol style="list-style-type: none"><li>1. Check source of ac power. Reset circuit breaker or replace fuse if necessary.</li><li>2. Check timer system per maintenance instructions in this guide. Contact your local service representative.</li></ol>



# Obtaining Service

---



To arrange for service, or for more information about your booth,  
contact ETS as follows:

**CALL FOR SERVICE OR QUESTIONS:**

**1 • 800 • 449 • 3605**



**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 \_\_\_\_\_

Manufactured for SunQuest by:  
Spectrum Products, Inc.  
6220 Churchman Bypass  
Indianapolis, Indiana 46203

