

*Cupid*

**Tanning Pro**

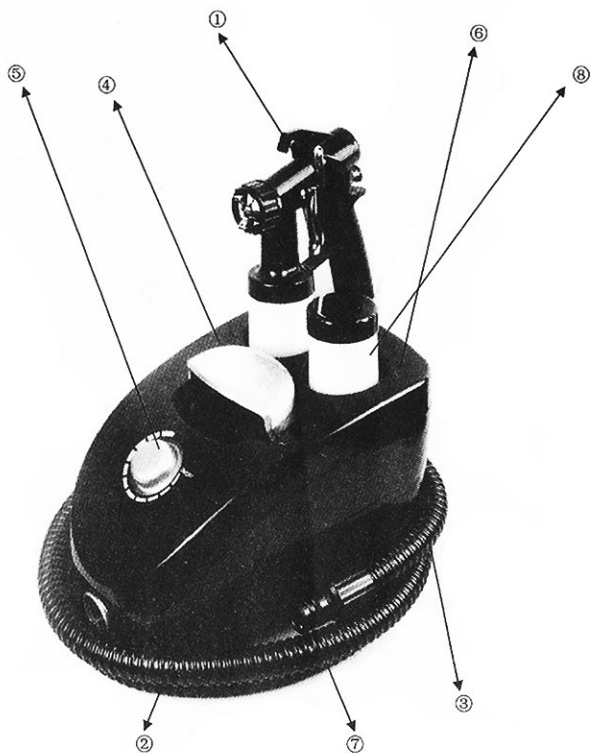


**User's Manual**

Model No.:HVLP450

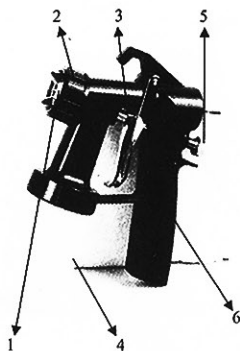


## Diagram of Tanning System



- 1 spray gun
- 2 turbine machine
- 3 soft hose
- 4 handle
- 5 On/Off and adjustment button
- 6 Spray gun holder
- 7 Fast connector
- 8 Cup with lid

## Diagram of Spray Gun



1. Spray Nozzle
2. Spray Pattern Adjustment Knob
3. Trigger
4. Cup
5. Fluid Control Knob
6. Handle

Congratulations on choosing the HVLP Tanning Systems. This Turbine tanning system is designed to apply sunless tanning solution featuring DHA as the active ingredient. DHA is an FDA approved nontoxic product that is a safe, reliable means of tanning without the potential health risks associated with exposure to UVA and UVB rays from the sun or other methods of tanning the skin.

### ***Unpacking your HVLP TAN System***

As you unpack your HVLP Tanning Turbine System, here's what you will find:

- One Tanning System HVLP-TAN Turbine Pump Unit
- One Tanning System HVLP-TAN Gun
- One Tanning System HVLP-TAN Gun Hose
- One Pro Tanning System HVLP-TAN Manual

If any of these items are damaged or missing in shipping, please contact your supplier.

# WARNING

## DO NOT USE EQUIPMENT BEFORE READING THIS SECTION

A fire or explosion hazard is present when spraying flammable materials. In order to assure safe operation of your spray system, please read the following instructions carefully.

Always spray in a well ventilated area.

Always keep turbine system at maximum length of hose.

Always store indoors, never allow unit to freeze.

Always use original manufacturer's replacement parts

Never alter or modify any part of this equipment; doing so can cause equipment malfunction and/or bodily injury.

Never attempt to clean any part of the turbine system while it is plugged in.

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE TO WATER.**

Never leave spray equipment unattended. Keep away from children or any person not familiar with spray equipment.

## GROUNDING INSTRUCTIONS:

This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for the electric current. This product is equipped with a cord that has a grounding wire and appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not operate unit with a damaged cord or plug. Do not pull or carry unit by the cord. Keep away from heated surfaces. Do not unplug by pulling on the cord.

**DANGER:** Improper installation of the grounding plug can result in the risk of electric shock. Check with a qualified electrician or serviceman if in doubt as to whether the product is properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. Make sure that the turbine is connected to an outlet with the same configuration as the plug.

DO NOT USE ANY ADAPTERS WITH THIS PRODUCT.

## USING EXTENSION CORDS:

Use only a three wire extension cord with a 3slot receptacle similar to the plug on the turbine. Make sure your extension cord is in good condition. When using an extension cord, be sure to select one that will carry a heavy enough current for the turbine system used. An undersized cord will cause a drop in the line voltage resulting in loss of power and overheating. If in doubt use the next heavier gauge. The smaller the gauge number, the heavier the wire thickness.

## WARNING NOTICE

1. BEFORE USING THE MACHINE PLEASE INSTALL THE FILTER ON THE BOTTOM OF THE TURBINE, PLEASE REPLACE THE FILTER MATERIAL AFTER USING 7 TIMES.
2. DON'T USE MORE THAN 15 MINUTES AT A TIME. THIS PROTECTS THE MOTOR FROM OVER HEATING. THE MOTOR HAS THE OVER HEAT PROTECTOR, WHEN IT IS OVER HEAT, THE MOTOR WILL BE SHUTDOWN. NORMALLY IT WILL TAKE APPROXIMATE 30 MINUTES TO COOL DOWN THE MOTOR. THE UNIT WILL AUTOMATICALLY REST AT NORMAL ROOM TEMPERATURE.
3. DON'T COVER THE AIR INLET OF THE MACHINE
4. DON'T RESTRICT THE AIRFLOW FROM THE GUN. IT WILL CAUSE OVERHEATING.

# HVLP-TAN Manual

## More about your new HVLP-TAN System

You are about to enjoy the great benefits of turbine spraying. Our designs are the result of many years of experience in manufacturing turbine spray systems, and Turbine spray guns. Whether you are new to spraying, you have sprayed before, or are just new to turbine spraying. There are some basic spraying guide lines that will help you to achieve the best results and optimum success from your new equipment. Reading this information carefully and following these simple steps will ensure that you get the best performance and results from your new HVLP-TAN System.

## How the HVLP Spray System Works

Your HVLP-TAN System has three components: the HVLP unit, an air hose and a HVLP-TAN spray gun. The turbine unit when connected to the correct electrical power supply and the on/off switch in the "on" position provides a continuous source of clean, warm, dry, low pressure turbine air. The air hose connects the turbine unit to the spray gun. Air flows through the hose to the nozzle of the specially designed HVLP-TAN System spray gun. Atomization of the tanning solution is achieved when the air mixes with the stream of fluid passing through the tip/nozzle. This low pressure atomization principle achieves minimum misting (overspray) to the spray environment.

The HVLP-TAN System turbine blower has one air hose outlet on the side of the unit and is designed to run one spray gun.

Caution: Even when the turbine unit is turned off and/or the gun is disconnected from the hose, pressure will remain in the spray cup. If you pull the trigger back, a stream of fluid will flow. To prevent accidents, turn Control Knob clockwise until it is completely closed. Another way to prevent the flow of solution is to remove and replace the fluid / spray cup to allow the air pressure to escape.

Note: It is not necessary to empty and clean your spray gun when you pause between applications. Be sure, however, to clean your spray gun thoroughly at the end of your work session. It is a bad idea to leave solution in your spray gun overnight.

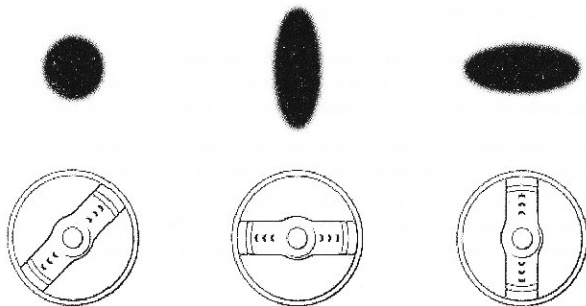
## Assembly and Set Up

The HVLP-TAN System requires no tools for set up.

Start by attaching the threaded end of the hose to the air outlet on the Turbine Air Pump and then connect the gun with the air hose.

## Adjusting the Spray Gun

The spray gun is capable of producing three spray patterns as illustrated below: a circular pattern used for spraying along any path, a vertical fan pattern used for spraying along a horizontal path, and a horizontal fan pattern used for spraying along a vertical path. In spray tanning you will primarily be using a fan pattern since it can cover a wider area with a single pass. Always spray a fan pattern so that its widest dimension is at a 90 degree angle to the path of the spray gun. Following this rule, the fan pattern in the middle of the page would be good for spraying to the left or right. Similarly, the fan pattern on the right would be good for spraying in an up or down motion.



To select the spray pattern, you need to loosen the spray pattern adjustment knob (see Diagram of a Spray Gun, label 2). This allows you to turn the air cap, part of the spray gun nozzle. The air cap has two triangular protrusions with holes in them that are positioned opposite each other on the nozzle. When air flows through these triangles, it flattens the spray pattern making it take on an elliptical or fan shape. Air only flows through the triangular protrusions when they are aligned vertical y or horizontally. The second row of figures show how to align the air cap to produce the desired pattern.

To control the amount of spray, use the Fluid Control Knob. The Fluid Control Knob (see spray gun diagram, label 5) is found at the rear of the gun above the handle. It controls the amount of solution that is sprayed through the nozzle. It is vital to practice to find the right setting before you begin spraying.

Tip: Turn the knob clockwise for less solution and counter-clockwise for more solution

### HOW TO FIND THE BEST SETTING

To find the optimal setting for the Flow Control Knob first set the knob so that only air is coming out of the gun -- achieved by turning The Fluid Control Knob clock wise until it stops turning. Then, while depressing the trigger, turn the knob counterclockwise slightly to start the flow of spray until you have a very light mist. Test the spray on a white sheet or towel to check the amount of solution coming out of the nozzle. Keep doing this until you have a very fine, even "mist" and a light tan color is showing on your towel.

### Testing & Adjusting Your Tanning System

Now that your system is assembled, it's ready to test and adjust in preparation for the first use. First, remove the bottle from the gun. For this first test, place clean water into the bottle and replace it onto the gun. Making certain that all HVLP-TAN Turbine Pump precautions have been followed and that the Turbine Pump is plugged in. Turn the Turbine Pump on. Next, aim the gun toward a sink, towel or other receptacle to collect the water, and pull the trigger. While the gun is triggered and air and water is flowing, you can adjust the fluid control knob for the optimum flow of material. Once you begin applying the tanning solution with the gun, you should be able to find the optimum control adjustments for your specific gun-pump-material combination to suit your specific preferences and application technique.

## **The Client Needs To Know**

Before your client comes in for the tanning service, they should be aware of the following:

They should shower and exfoliate to remove the surface skin that is ready to peel or exfoliate.

If possible, apply nail polish or a clear to prevent the possibility of the nails becoming discolored by the solution. Wear loose fitting clothes to the session so that upon leaving, the clothing is less likely to scuff off the product and treated skin surface. Apply no lotions, creams, makeup or other products to the skin or jewelry which could block the tanning solution from penetrating or cause an uneven application or streaking.

Wear an old, dark colored bathing suit or undergarments planning ahead as to where they want their tan lines .

Make them aware that it is possible that the garments they wear during the application and those they wear home could become stained by the tanning solution depending on the type of fabric - especially if white or light colored natural fibers.

It's generally best for long hair, especially blonde hair to be tied up away from the face and neck to allow ready access and an even application. The client needs to plan ahead to not bathe, swim or otherwise get wet for 8 hours after the application. They should also avoid light colored clothing or sitting on light colored or leather furniture for several hours especially if perspiring or in humid climates, as this could transfer the still-active solution to materials and discolor them. After the 8 hours, when they again bathe or shower, they may notice some color washing off - this is merely the excess. It is normal, and will still leave them with a deep tan.

Their new tan will begin to fade over the next few days, but the fading can be slowed if they will moisturize regularly. The tan is only on the uppermost dead skin layer, which is perpetually being worn off. Keeping the skin moisturized and not exfoliating will slow this process, which could extend their tan to perhaps 3-5 or more days. To achieve the darkest, longest-lasting tan, the client should be tanned again within 2 or 3 days of the first application, then every week or two thereafter. Also, using Tan Extender between applications will give the tanned skin a darker and more even appearance.

## **The Application Process**

We recommend that you have the following minimum items in place before you begin to spray:

### **1. PROPER VENTILATION**

To minimize the effects of any over-spray a good airflow and an extraction system should be used. Two extractor fans mounted at knee level on each side of the body is ideal.

### **2. OVER-SPRAY PROTECTION**

A portable or fixed overspray booth which can be washed down periodically should be used.

### **3. LIGHTING**

It is essential to have good natural lighting.

### **4. ACCESSORIES**

Ensure that you have your spray tanning accessories within easy reach. Some accessories may include: a small sink, Q-tips, latex sponges, hand towels, barrier cream, rubber gloves, masks, moisturizer, wet-wipes, and cornstarch baby powder.

### ***PRE-SPRAY CHECKLIST***

Tip: Remember to keep your tanning solution chilled (not frozen) to ensure that the DHA does not deteriorate. Keep solution for no more than 3 months. Have your client fill out a client information card and disclaimer form before the spray. Spray in a well lit and well ventilated area. Use about 1.5 to 2 oz. of solution per person. Ensure that the client has shaved desired areas before the spray.

Ensure that the client has exfoliated well before the spray and that their skin is free from any moisturizer, perfume or deodorant. If not, offer the client exfoliating towelette before you spray them.

Ensure that the client has brought loose, dark colored clothing to wear home. Advise them that some 'Bronzer' may rub off on their clothing. Wearing Wool, Nylon or Silk is not recommended.

Offer the client disposable undergarments if they do not have their own bikini or underwear.

Offer the client a bouffant cap. Push cap behind the ears and above the hairline.

### **Procedure**

Once the client has followed the preparations on the previous page, you're ready to start. Don't forget your latex gloves.

Test the gun by spraying a small quantity into a waste basket or sink to make certain that the solution is flowing properly.

With the client standing on a bath mat or towel that you designate for the purpose, its time to start. The tanning process is different with the HVLP-TAN system than with an airbrush system because the HVLP-TAN System applies much more material in a short time.

We recommend the following procedures: With the client facing you, begin by having the client close their eyes and tilt their head back slightly. Begin spraying the face with a light coat moving down the neck to the chest. If starting with the face makes you or the client uncomfortable, reverse this first step -chest, neck - then face.

Once this area is complete, spray the tummy. At this point, you can either continue down the front of the legs to the feet, or turn the client and finish the back to complete the upper body. When spraying the front of the legs, have the client place one foot out to allow you to spray the inside of the leg. Alternate the outstretched foot to allow application to all areas of the legs. Have the client turn for access to the side, outside and inside of arm and side of the neck. Have the client continue to turn in the same direction to do their back. Continue on down the back of the legs. Where necessary, have the client bend or stretch to eliminate folds or creases under buns, breasts or other areas as necessary to allow an even application.

Once you are confident that you have covered all areas of the client; face, chest, tummy, back, arms, and legs, its generally a good idea to apply an additional spray to the face, and have the client turn so you can examine all areas for sparse or excess coverage. If the solution is running, you should blot it with a towel and spray a small amount to even out the application. Once you are confident that you have an even application, you can go over the client again without triggering the gun - the dry air from the gun will accelerate the drying process. They should avoid lowering their arms against their sides or pressing their thighs together until thoroughly dry.

### **FINAL STEPS**

If the client feels any stickiness you may use a makeup brush dipped in 'Cornstarch based' Baby Powder to lightly dab the sticky areas. (Do not use talcum powder!)

Tip: You may use the gun to blow warm air over the client if the client feels cold or sticky

Remind the client of the following:

- It will take a few hours for the tan to 'set'. Advise the client not to bathe or shower for at least 8 hours.
- Do not sit on or wear light colored fabric.
- Wear loose fitting clothing and avoid wearing jewelry for a few hours.
- Do not sweat or carry out any strenuous activity.
- Remind the client that the tan will usually not 'take' where skin meets skin.
- During the first shower the cosmetic bronzer will wash off. This is normal.
- Have the client apply moisturizer and or tan extender daily.



## **Finish the Job**

Once you have finished, it's time to clean up.

The HVLP-TAN System requires little cleaning, service or maintenance. After finishing your last client for the day: Rinse the gun fluid cup with clear water, then pour in about 2 or 3 ounces of a gun cleaning solution. Spray the cleaning solution through the gun into a sink or other receptacle until you are confident that all of the tanning solution has been washed from the fluid passage of the gun.

Now, examine the front nozzle of the gun to ensure that there is no buildup of product that could obstruct or diminish the fine atomization of product on the next use. If necessary, clean the nozzle with the cleaning solution and a small brush such as a tooth brush or nail brush. Next, remove the fluid cup, and spray until only dry air comes from the gun. Wipe off the outside of the gun, rinse out the fluid cup, and you are now done with the gun for the day.

Next, check the intake air filter on the Turbine Air Pump to make certain that it is free of lint, hair, tanning solution residue or other obstructions that could clog the air flow into the Turbine Air Pump. Make sure that the air hose, Turbine Air Pump and cord are out of the walkway, and the client mat is cleaned or washed if necessary.

## **Frequently Asked Questions**

Is this product harmful to my skin?

No. The active ingredient in Pro Tanning Systems Tanning Solution is dihydroxyacetone, or DHA.

DHA has been used in cosmetic preparations for almost 30 years and was listed with the FDA in 1973. In addition to its skin darkening abilities, DHA is also used as an emulsifier and a humectant. It is declared safe and suitable for use in cosmetics and drugs used to color the skin. DHA is derived from glycerin (vegetable origin), which is a commonly used in cosmetic. DHA is not absorbed into the body and poses no possibility of toxicity.

Is this the BEST way to tan without the sun?

Yes. According to the American Academy of Dermatology, the most effective products available are sunless- or self-tanning products that contain dihydroxyacetone (DHA) as the active ingredient. DHA is a colorless sugar that interacts with the dead cells located in the stratum corneum of the epidermis. As the sugar interacts with the dead skin cells, a color change occurs. This change usually lasts about five to seven days or more from the initial application.

Is it safer to sun tan once I have a sunless tan?

No. It's as if you didn't have it. It's important to remember that DHA doesn't contain an added sunscreen and will not protect you from the sun's UVA and UVB rays. If you are planning to be in the sun, remember that your sunless tan is on the first layer of the skin, whereas the sun burns the lower layers. Always wear a good sunscreen whenever tanning in the sun to prevent the potential damage to your skin which is not associated with the HVLP Tanning System.

## **About DHA Tanning:**

Skin is made up of two main layers: the epidermis on the outside and the dermis on the inside. Whether you are talking about sun tanning or self-tanning, the epidermis is where the tanning action occurs. The epidermis is also made up of layers. The deepest layer of the epidermis, called the stratum basale (basal layer), is affected during sun tanning. The stratum

corneum (horny layer) is the outermost layer of the epidermis — it is this layer that is affected by most sunless-tanning products.

There are several different kinds of sunless-tanning products available today. People have been able to apply a sunless tan since 1960, when Coppertone, came out with the first sunless-tanning product — QT, or Quick Tanning Lotion. If you are old enough to remember this, then you are probably thinking of the incredibly orange hue this lotion produced. Since then, there have been several advancements made on the sunless-tanning front. These days, you can find tanning sunless- or self-tanners and bronzers. You can spray on a light bronze glow or a deep, dark tan.

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Every day, millions of dead skin cells are sloughed off or worn away from the surface of your skin. In fact, every 35 to 45 days, you have an entirely new epidermis. This is why tans from sunless- or self-tanning lotions will gradually fade — as the dead cells are worn away, so is your tan. For this reason, most of these products suggest that you reapply the sunless- or self-tanner every week or two to maintain your “tan.”

### **A Quick Recap:**

- Remember that the Turbine Air Pump air outlet and hose may become hot during use. Avoid kinking or allowing the hose to become flattened where it is hot near the air outlet.
- Keep the Turbine Pump intake filter clean.
- Keep power cord and air hose out of walkways.
- Tanning solution can, in some cases, discolor light colored hair and fabrics - when in doubt, cover anything that could be affected.
- Have the client turn in front of you - don't reach around.
- Spray for good full coverage - but not to the point where the product runs or streaks - A light or medium application is better than a heavy one. New clients should repeat the application within 48 hours or so for the optimum tan.
- Don't spray unprotected palms of hands, soles of feet, light colored hair or clothing or open eyes.
- Have the client bend or stretch as necessary to achieve complete coverage in wrinkles and folds.
- Only wipe or blot the wet solution on the client if there is a run from perspiration or excess application - spray some additional product on the wiped area.
- Turn on a fan in the spraying room and/or use the untriggered flow of air from the gun to dry the client before leaving the salon.

## LIMITED WARRANTY

### **What is covered and for how long**

We are confident the HVLP Tanning System components will perform well and therefore warrant to you, as the original purchaser, for a period of six months from the date of original purchase, that your system will be free of mechanical and electrical defects in material and workmanship.

### **What we will do and how to get service**

If your system is covered during the warranty period, we will repair or replace (at our option) the necessary component(s) of your system without cost to you, which will be your exclusive remedy under this warranty. Simply send the system postage prepaid and insured, with proof of purchase and a short description of the problem directly to your supplier

### **What is not covered**

Our warranty for your product will not cover normal wear of parts, damage resulting from negligent use or misuse of the product, use of improper voltage or current, use contrary to operating instructions or disassembly, repair or alteration by any person other than our service personnel. It also does not cover consumables. Any implied warranty of merchantability or fitness for a particular purpose on your system is limited to the duration of this written warranty. We shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on your system.