

Ellipse



Owner's
Manual

Ellipse
Owner's Manual & Installation Guide

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IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY

When installing and using this electrical equipment, basic safety precautions should always be followed, including:



Danger

Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.



Danger

Risk of Serious Injury or Death. The suction fittings in this spa are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure that the flow rates are compatible.

Never operate the spa if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.



Danger

Risk of Electric Shock. Install at least 5 FEET (1.5 m), from all metal surfaces. As an alternative, a spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum No. 8 AWG (8.4 mm²) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment.



Danger

Risk of Electric Shock. Do not permit any electrical appliance, such as a light, telephone, radio, television, etc. within 5 feet of a spa.



Warning

To reduce the risk of injury, do not permit children to use this spa unless they are closely supervised at all times.



Warning

To Reduce the Risk of Injury: The water in a spa should never exceed 104° F (40° C). Water temperatures between 100° F (38° C) and 104° F (40° C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.



Warning

To Reduce the Risk of Injury: Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100° F (38° C).



Warning

To Reduce the Risk of Injury: Before entering a spa, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices may vary as much as +/- 5° F (2° C).



Warning

To Reduce the Risk of Injury: The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.

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Warning

To Reduce the Risk of Injury:

Persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.



Warning

To Reduce the Risk of Injury:

Persons using medication should consult a physician before using a spa since some medication may induce drowsiness, while other medication may affect heart rate, blood pressure, and circulation.



Warning

Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment.



Warning

People with infectious diseases should not use a spa or hot tub.



Warning

To avoid injury exercise care when entering or exiting the spa or hot tub.



Warning

Pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.



Warning

Do not use a spa or hot tub immediately following strenuous exercise.



Caution

Maintain water chemistry in accordance with manufacturer's instructions.

HYPERTHERMIA

Prolonged immersion in hot water may induce hyperthermia. A description of the causes, symptoms, and effects of hyperthermia are as follows: Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6° F, or 37° C. The symptoms of hyperthermia include dizziness, drowsiness, lethargy, and fainting. The effects of hyperthermia include:

- Failure to perceive heat,
- Failure to recognize the need to exit spa,
- Unawareness of impending hazard,
- Fetal damage in pregnant women,
- Physical inability to exit spa,
- Unconsciousness resulting in the danger of drowning.

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Warning

The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in hot tubs and spas.



Caution

Persons suffering from heart disease, diabetes, high or low blood pressure, any condition requiring medical treatment, pregnant women, the elderly, or infants should consult with a physician before using a spa.



Caution

Do not use the spa under the influence of alcohol, narcotics, or other drugs. Use of the spa under these conditions may lead to serious consequences.



Caution

Always test the hot tub water temperature before entering the spa. Enter and exit the spa slowly. Wet surfaces can be very slippery.



Caution

Never bring any electrical appliances into or near the spa. Never operate any electrical appliances from inside the spa or when you are wet.



Caution

Proper chemical maintenance of spa water is necessary to maintain safe water and prevent possible damage to spa components.



Caution

Use the spa straps and clip tie downs to secure the cover when not in use. This will help to discourage unsupervised children from entering the spa and keep the spa cover secure in high wind conditions. There is no representation that the cover, clip tie downs, or actual locks will prevent access to the spa.

DO'S AND DON'TS

- **DO** test water temperature with your hand before entering to be sure that it's comfortable.
- **DO** keep the spa cover closed when the spa is not in use. This is also the key to economical spa operation.
- **DON'T** block or sit on the filter recess area.

Features of the Ellipse Spa

Congratulations! You have purchased one of the finest portable hot tubs available. Take the time to read these instructions carefully. If installed and maintained properly your hot tub will provide many years of enjoyable, trouble-free operation. Read all of the instructions for further reference on hot tub operation. If you have any questions, please contact your local Authorized Ellipse Spas Dealer.

The following features are included on your hot tub:

- ETL listed
- 110 Volt Operation
- Completely self-contained
- Designed for indoor or outdoor use
- Top access, easy to clean filter system
- Water level referencing Weir Skimmer
- Air Selector Valve
- A variety of interchangeable jets
- Built-in, automatic freeze protection
- One or two person capacity
- Single, long life, dual speed HydraMax™ pump
- 35 sq. ft. of filtration

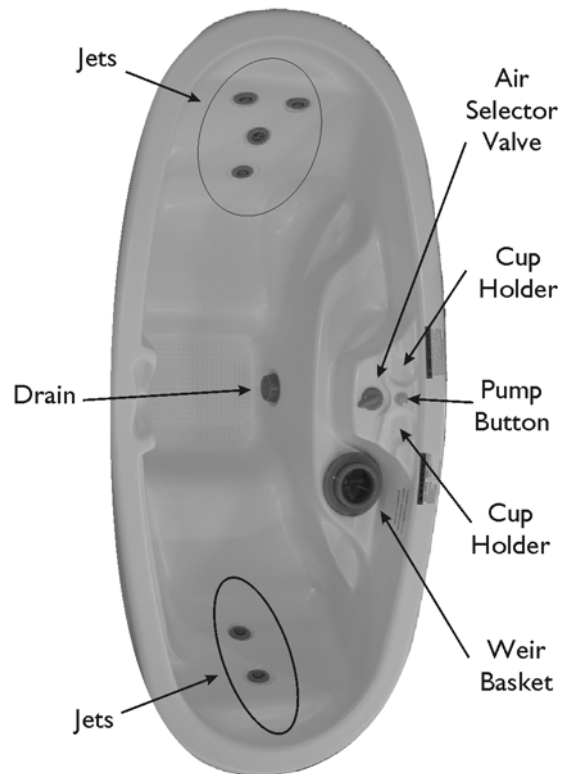
Installation

Installation includes placing your hot tub in a suitable location, connecting it to an electrical outlet with the proper rating, and filling it with water.

Location and Setup

Before attempting to install or use your hot tub, please read these instructions thoroughly. Because your hot tub is completely self-contained, you can install it just about anywhere you wish . . . on a deck, patio, or even indoors. Just be sure to position it above ground, in an area with good drainage and on a level surface that fully contacts the bottom of the hot tub.

A concrete slab is best but not required. You may choose to install it on a wood deck. If you choose to install your hot tub on a raised deck or indoors, we suggest you contact a licensed contractor to confirm the surface will hold a hot tub filled with water. Movement of your deck or slab may result in damage to the hot tub, which is not covered by warranty. Wherever you plan to install your hot tub, be sure the surface is flat and solid. Locate your hot tub so that the equipment is above grade and not subject to flooding. Water should always drain away from the hot tub. If you are placing your hot tub next to an obstacle, such as a fence or wall, be sure that you place the hot tub with the equipment compartment facing forward for easy equipment access. Allow additional space around the hot tub for any accessories you may have purchased - for example, steps or a gazebo. Check with your dealer on these additional space requirements.



Note

If you install the spa or hot tub indoors, the surrounding area should be waterproof or water resistant. Water may be splashed out during normal usage and when entering or exiting the spa. Ellipse Spas is not responsible for any water damage to any indoor location for any reason.

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The Ellipse hot tubs are equipped with a locking cover that meets or exceeds the "Standard for Safety Covers," but is not an adequate safety measure to prevent unsupervised entry. Please check with your local Building Permit Office that can inform you on any special requirements needed for installation of your electrical, decking or required barriers. Your local dealer may also provide you with information on local building and electrical codes.

Electrical Connections and Filling



Warning

Do not turn on electrical power to your hot tub until told to do so later in this manual.

The outlet that you connect the spa to must be rated at 110 volts and 15 or 20 amperes. The power cord is located under spa.

To hook-up your hot tub, follow these instructions:

1. Remove the screws holding the equipment compartment panel to the front of the hot tub cabinet and set the panel aside.

Equipment Compartment



2. Remove the two shipping bolts located on the front of the pump mount. Do not replace equipment compartment panel at this time.



3. Lift the center float of the skimmer assembly until it is fully extended. Hold the centerpiece of the assembly and turn it counterclockwise until the flats of the basket are aligned with the securing tabs. Then pull the basket assembly straight up to remove.



4. Next, remove the filter packing between the filter cartridge and the canister walls.

5. Finally, remove the E-Z Lock Filter cartridge by twisting the cartridge 1/4 turn counterclockwise to its stop. (Be careful not to overturn the filter) Then lift the filter out of its canister



It is very important that you read the **Water Care Guide** before filling your hot tub with water.

Note

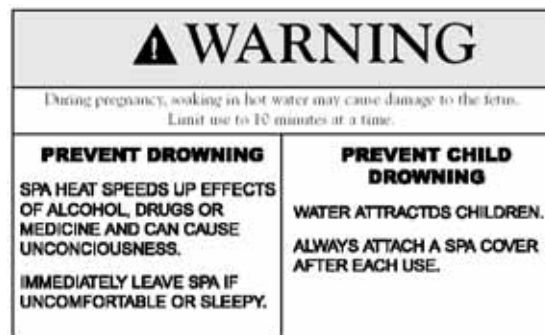
6. Place a hose in the empty skimmer receptacle and fill hot tub to within 4 inches of the top.
7. Connect the power cord, coming from under the spa to a properly rated outlet.
8. After positioning the Warning sign as described in the following paragraph, proceed to [Operation](#).

WARNING SIGN

Each spa has been provided with a warning sign.

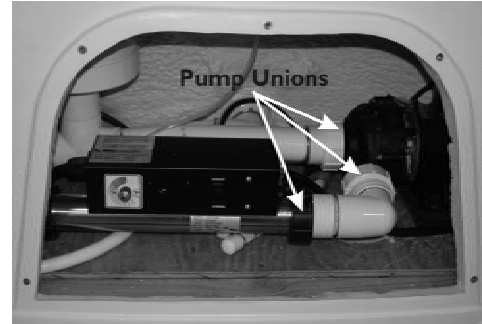
This label outlines safety precautions. This sign should be permanently placed in a location that is visible to the spa user. Replacement signs can be obtained from:

Ellipse
2611 Business Park Drive
Vista, CA 92081
(760) 727-7727



Initial Start-Up

1. Locate the equipment compartment. (The panel should already be removed.)
2. If the equipment compartment cover is installed, use a Phillips screwdriver to remove the spa panel screws.
3. Check the pump unions to be sure that they are tight to prevent the possibility of leakage in the equipment compartment.
4. Place the Mode Selector Switch in the Thermostat position.
5. Turn the Thermostat control to the desired position.



Warning

Do Not Enter The Water if the water temperature is in excess of **104° F**. Always test your water temperature with an accurate thermometer.



Note

On initial start-up, you can confirm that the heater is on by looking to see that the Heat Indicator, located on the equipment compartment, is illuminated.



Note

Depending upon the size of your hot tub and the size of the circuit breaker used, heating will occur at the rate of 1° F to 3° F per hour.

6. Once you have verified that the Thermostat is set in the correct position, you can reinstall the equipment compartment panel removed in Step 2.
7. Push the Jet Switch to start the pump.
8. After completing the above steps, it is necessary to ensure proper water chemistry. See the **Water Care Guide** for the easy steps to maintaining clean and safe water.

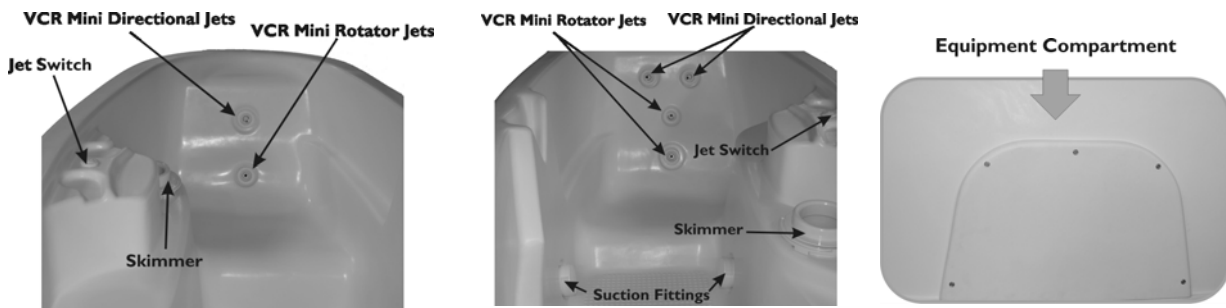
Operation

Before using your spa you should read and become totally familiar with content of this section.

Location of Spa Components

The spa components consist of two seats, three VCR Mini Rotator jets, two VCR Mini Directional jets, one Jet switch, one suction fitting, one Weir skimmer, and an equipment compartment.

The following three photographs show the location of these components.



VCR Mini Rotator Jets



The direction of the VCR Mini Rotator Jet is adjustable by turning the nozzle in the desired direction. Also, it may be turned on or off. To do this, simply turn the out part (or face) of the jet counterclockwise to shut it off and clockwise for the fully on position.

VCR Mini Directional Jets

The direction of the VCR Mini Directional Jet is adjustable by turning the nozzle in the desired direction. Also, it may be turned on or off. To do this, simply turn the out part (or face) of the jet counterclockwise to shut it off and clockwise for the fully on position.



Jet Switch

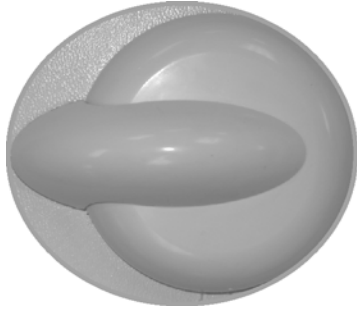


When the Jet switch is activated for the first time, the pump is switched to high speed. Occasionally, when the pump is already on high speed and you press the Jet switch to turn it off, the pump continues to run on low speed. If this happens it is probably because the thermostat is calling for heat.



If the heater is on and the pump is turned to high speed, the heater will turn off. This feature keeps the control system within the 15 ampere limit.

Air Selector Valve



The **Air Selector Valve**, located next to the **Jet Switch**, controls how much air is added to the water. Adding air to the water increases the volume of water moving through the jets and aids HydroTherapy.

Turn the valve clockwise to add more air to the water, or counter-clockwise to add less air to the water.

Suction Fitting

The **Suction Fitting** located near the bottom of the spa allows the water to be pulled from the spa and sent to the pump for re-circulation.



Never operate the spa if the suction fittings are broken or missing.

Warning

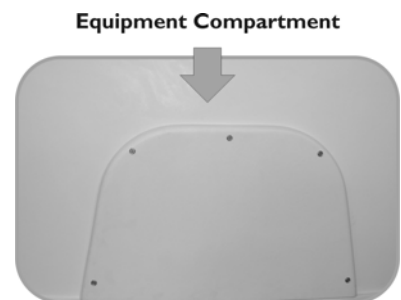
Weir Skimmer



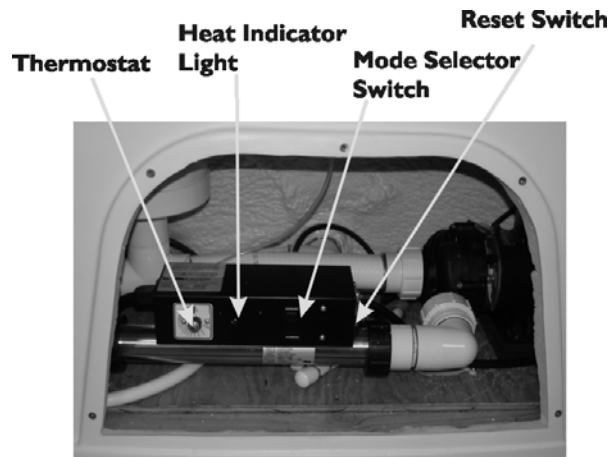
This device removes floating debris from the water surface. This device provides a water return path to the spa's equipment and flow through the filter element. See [Filter Cleaning](#) for cleaning the filter.


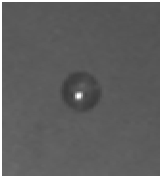

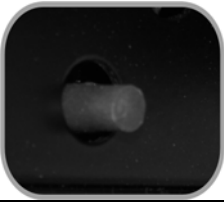
Equipment Compartment

The equipment compartment contains the pump, heater, control box, and temperature regulator. The Jet switch is located on the top of the spa. See [Operating Controls](#) for more information on these components.



Operating Controls



Control	Function
<p>1</p> 	<p>1. Thermostat Controls temperature to a maximum of 104° F (40°C) to within 2% accuracy.</p>
<p>2</p> 	<p>2. Heat Indicator Indicates that the heater is on.</p>
<p>3</p> 	<p>3 Mode Selector Switch The normal position is Thermostat. In this position, the spa pump and heater are controlled by the thermostat. For example: if the Thermostat is turned up the low speed pump will turn on followed by the heater. Once the temperature has reached the set point, the heater and pump will turn off. In the Continuous position, the pump will run continuously at low speed unless the Jet switch is pushed and will always be filtering the spa. If the water temperature drops or the Thermostat's is raised while in this mode, the heater will turn on to heat the spa water</p>
<p>4</p> 	<p>4 High Limit Reset Switch If the spa overheats, this safety device will trip, shutting off all spa functions. This switch should not normally trip.</p>

Care for Your Hot Tub

Draining Your Hot Tub



Danger

Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.

The Ellipse Spa can be drained by attaching a common garden hose to the hose bib located in the equipment compartment and opening the drain valve. Always turn off the power to the hot tub before draining.

Filter Cleaning

Always turn off the power to the hot tub before cleaning the filter elements. Your hot tub is equipped with one top access filter cartridges. We recommend that you clean the filter every month as preventative maintenance.

To clean the skimmer filter cartridge, lift the center float of the skimmer assembly until it is fully extended. Hold the centerpiece of the assembly and turn it counter clockwise until the flats of the basket are aligned with the securing tabs. Then pull the basket assembly straight up to remove. Next, remove the E-Z Lock Filter cartridge by twisting the cartridge 1/4 turn counterclockwise to its stop. (Be careful not to overturn the filter) Then lift the filter out of its canister. Clean the cartridge with a high-pressure garden hose. Every other cleaning, soak the cartridges in Dimension One Spas' **Cartridge Cleaner**, rinse it thoroughly, and reinstall. Replace the skimmer basket assembly and the access lid or cover. After cleaning, run the pump for a few minutes at high speed, then return to the heating mode.

Care for the Hot Tub Surface – Duratex

Your hot tub has a very high quality finish. Stains and dirt will generally not adhere to the surface. We recommend cleaning the entire shell surface with Dimension One Spas' **Water Line Cleaner**. You may also use Dimension One Spas' **ph/Alkalinity Increaser** or mild cleaners like Soft Scrub. Be sure to thoroughly rinse the shell. After cleaning, you will want to restore your hot tub shell's original luster by using Dimension One Spas - **Poli-Gloss**.



Caution

Do not use "409" type cleaners or other caustic solutions as they may damage the hot tub shell surface and void the warranty..



Caution

Do not use citrus-based cleaners on the shell surface.

Special Cold Weather Instructions

Slipping into your steamy spa on a snowy, winter night is a refreshing experience. Many times, people who could never imagine being outside in winter weather, find themselves spending their winter nights doing just that, while relaxing in their hot tub with family and friends. Therefore, the best winterizing tips of all are to enjoy use of your spa year-round.

All spas and hot tubs manufactured by Ellipse Spas are designed for rigorous winter use. They are insulated to keep operating costs down and to protect plumbing and equipment whenever the products are operational.

If you find it completely necessary to drain your spa during the winter months, in an area where freezing conditions may exist, please adhere to all of the instructions in this section to minimize the risk of freeze damage. Failure to complete any of the steps satisfactorily will increase the chance of freeze damage, as small amounts of water trapped in pipes will expand as it freezes, and may result in damaged plumbing lines or fittings.



Caution

Ellipse Spas Does Not Recommend That You Drain Your Spa or Hot Tub For The Winter. Freeze Damage Caused by Winterizing Your Spa is Specifically Not Covered by Your Spa Warranty.

Items Required for Winterizing

- Phillips head screwdriver
- 16" Channel-lock pliers
- High pressure air blower
- Commercial grade wet-vacuum
- 3 to 6 gallons of Non-Toxic Antifreeze
- Strong, able-bodied people capable of lifting spa into upright position
- Enough time (and patience) to perform all steps.

Procedure for Winterizing

1. Shut the power off to the spa and make sure that it cannot be accidentally turned back on.
2. Remove filter element from filter assembly.
3. Drain water from spa using garden hose.
4. Open the equipment compartment and locate pump and heater.
5. Remove all of the drain plugs from the pump.
6. Loosen unions on both sides of pump, and the heater if applicable.
7. Tip the spa onto one side. (The spa will have some water remaining, which will add to the weight of the spa). Be sure to have enough people available to safely lift the weight of your spa. Do not tip spa onto equipment bay side of spa.
8. Close all jets, by turning jet faces counter clockwise.
9. Put on your protective goggles in order to protect eyes from air, water, antifreeze or debris exiting the jets or drains.
10. Insert the hose of a high-pressure air blower into the filter element fitting. Some models may have 2 filters. Begin with the left-hand filter fitting, which will help evacuate water from the circulation pump system. Then proceed to the right-hand filter fitting. When using air blower on single-filter spas or the right-hand fitting on dual filter spas, rotate each of the jet faces clockwise to open and counter-clockwise to close again. Do this to each jet face, one jet at a time. Be careful, as water will be coming out of each jet fitting as you perform this maneuver. Perform this operation, until no more water is coming from the jets.

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11. Remove jet faces and insert the hose of a high-pressure air blower into each jet fitting. Continue this process, until no more water comes out of any jet fitting or drain fitting and you no longer hear water gurgling within the plumbing. Place all jet faces in a plastic bag and set aside until you are ready to use your spa again.
12. Place the hose of a commercial grade, wet-vacuum over each jet fitting, bleeder valve fitting, and drain fitting to draw out as much remaining standing water as possible.
13. Remove drain hose bib assembly from the outside bottom of spa.
14. Use the wet-vacuum to remove standing water from the pumps and any other fittings within the equipment compartment.
15. Once you are sure that all water is evacuated from the plumbing and equipment of the spa, put the spa back down in its normal position and repeat Step 10 and Step 11
16. Read all Directions and Safety Precautions on the Swimming Pool or Recreational Vehicle antifreeze bottle before opening and using. Ensure that it is non-toxic and safe for this use. Beware of and follow all safety precautions.
17. Using a long funnel, begin pouring non-toxic swimming pool or recreational vehicle water system antifreeze into the filter canister fittings, bleeder valve fittings and jet fittings of your spa. Continue adding antifreeze until it comes out of the drain fittings or from the opening you are pouring it into. You must complete this task for every jet fitting in the spa. Some of the antifreeze will seep into the spa from the drain or jet fittings, which is okay, the goal is to have anti-freeze collect in the areas of the plumbing that would normally trap water. the funnel to also place antifreeze into the pump housing(s).



DO NOT USE AUTOMOTIVE COOLING SYSTEM ANTIFREEZE IN YOUR SPA. IT IS TOXIC AND HARMFUL TO HUMANS AND ANIMALS. CHECK WITH YOUR LOCAL SPA DEALER OR RV DEALER TO PURCHASE NON_TOXIC ANTIFREEZE THAT IS COMPATIBLE WITH DRINKING WATER SYSTEMS!

19. Replace all equipment access panels onto the spa.
20. Replace thermal cover on spa and secure locking tabs. If your spa is located in an area of high snowfall, you may want to take one more extra precaution to safeguard the life of your spa cover. Span the cover with (2) 2x4's cut to length to reach the outside edges of your cover. Place a sheet of plywood, cut to fit each half of the cover, over the 2x4's; this will carry the load of a heavy snow load and prevent the cover from warping or breaking. You can even tarp the spa at this point for maximum protection.

Spring Time Startup

In the spring, or when your ready to start the spa back up, follow these instructions.

- Make sure o-rings for pumps are in place and undamaged.
- Make sure all the fittings that you had to loosen are tightened.
- Replace all jet fittings, pump drain plugs, hose bib drains and bleeder valves
- Fill the spa up, as you would normally do.
- Turn the power back on.
- Run the jets on high speed for about 15 minutes.
- Drain the spa.
- Put your filter(s) back in.
- Refill and treat chemically like you would during a normal water change.



Caution

During freezing conditions, check your hot tub frequently to ensure proper operation. Always check your hot tub after any power failure to ensure that it is operational.

Warranty Service Information

Your hot tub warranty gives you specific coverage. Be sure to read the enclosed warranty sheet carefully.

The warranty does not cover problems arising from misuse, abuse, or neglect, and it does not cover problems caused by improper installation or "perceived" problems caused by failure to read the hot tub owner's manual. A service charge will be made if a service call is made for any of the following:

1. Equipment failure due to improper/inadequate electrical service. All systems require dedicated circuits as described in this manual. Low voltage can cause equipment failure and seriously shorten equipment life. It is the owner's responsibility to ensure proper electrical service is available.
2. Failure of hot tub to reach desired temperature because the set temperature is not turned up high enough. Maximum thermostat setting is approximately 104° F.
3. Hot tub water chemistry is the responsibility of the hot tub owner. Cloudy, dirty or chemically unbalanced water and cleaning of the hot tub filter are also the responsibility of the hot tub owner.
4. Hot tub shell or equipment damage caused by improper water maintenance. Serious damage can be caused if your hot tub water is not maintained carefully and correctly.

Glossary of Terms

Term	Definition
Bleeder Valve	A small valve used to relieve or expel air from the spa's plumbing or pump.
Dry Firing	Turning the heater element on when there is no water in the heater.
Equipment Access Panel	Provides access to your spa's equipment
Filter Cartridge	Your spa's filter has been designed so that you may repeatedly clean and maintain the filter element as needed. The element is constructed of woven polyester rather than paper to ensure long life and proper filtration.
GFCI-Ground Fault Circuit Interrupter	A type of Circuit Breaker that automatically disconnects power to the spa when there is an electrical power leakage to ground.
Halogens	Free chlorine, bromine or iodine ions that are very strong oxidizers used to sanitize water.
Jets	Return the water into the spa from the equipment. The jets produce a turbulent flow of water mixed with air to provide a concentrated body massage
Lower Control System	The electronic control system that governs all of the electrically operated components of your spa.
Pressure Switch	Safety device that sends a signal to the electronic control system that there is adequate water flow to turn the heater on.
Pump	Produces water flow through the heater, filter, sanitation system and the main jets in the spa. The pump will operate automatically during filtration and heat cycles. This pump can also be operated manually by depressing the "jets" button on the topside control panel which will allow you to choose between two speeds Low speed for efficient water circulation during heating and filtration modes, and for gentle jet resistance or massage action. <ul style="list-style-type: none"> • High speed for maximum jet action.
Serial Number	Please use the serial number (mounted to the frame below the High Limit Reset Switch inside the Equipment Compartment) in communication with your dealer.
Temperature Sensor	Measures the temperature of the water. This temperature sensor is used to control the spa heater.
Unions	Connects the spa plumbing to the equipment. The unions allow a service technician to remove equipment without cutting plumbing.
Vision Cartridge	A safe, halogen-free water sanitizer that can be used in place of chlorine or bromine.
Water Return Fittings	In addition to the skimmer, the water return fittings provide water inlets to your spa pumps. DANGER – Never Block Or Remove Any Of The Water Return Fittings.
Weir Skimmer	A floating water referencing device that skims debris from the surface of the water.

Troubleshooting Guide

Heating System

Symptom	Problem	Corrective Action
Does not heat	1. Temperature setting is too low	1. Turn up the thermostat
	2. Dirty filter	2. Clean filter
	3. High Limit Reset Switch tripped	3. Call for service
	4. Pressure switch malfunction	4. Call for service
Too hot	1. Temperature setting is too high	1. Turn down the thermostat
	2. High limit tripped	2. Call for service
Hot Tub Temperature erratic	Water level	Fill hot tub to 4" from top of spa

Electrical System

Symptom	Problem	Corrective Action
Will not turn on – in any mode	No power	1. Check circuit breaker and/or GFCI 2. Check to see if High Limit Reset Switch has tripped
Turns on by itself	Normal automatic daily power filtration, or anti-freeze cycle	No action required
Pump shuts down unexpectedly while in use	Motor over-heated and automatic protective device has shut down pump(s)	If pump(s) will not restart when JETS pad is pushed, call for service

Water System

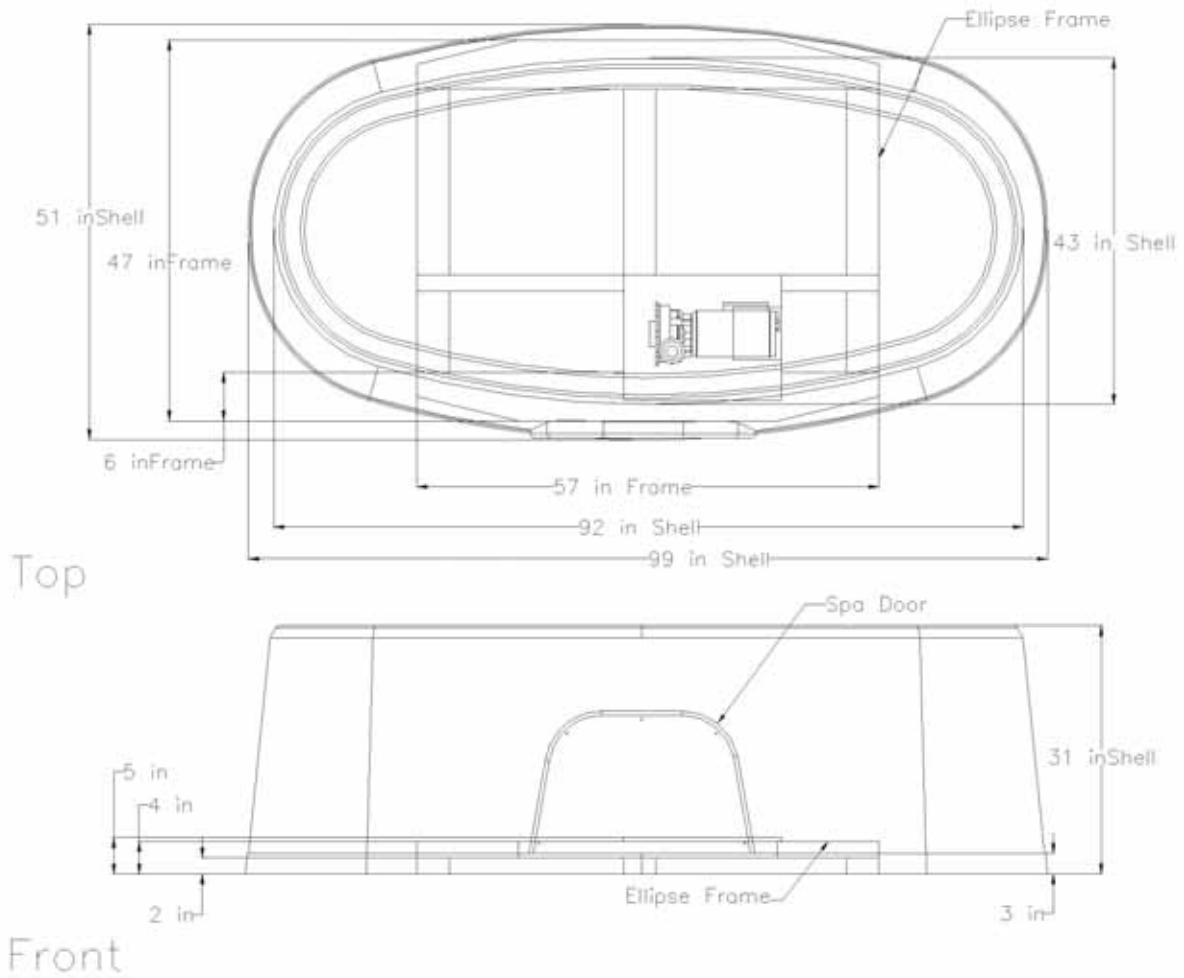
Symptom	Problem	Corrective Action
Pulsating jets	Water level too low	Fill with water to 4" from top of spa
No Jet Action, or action is poor	1. Jets are turned off	1. Turn jets on by turning jet face clockwise
	2. Dirty Filter	2. Clean Filter
	3. Air lock	3. Loosen pump union to allow air to bleed

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Specifications

	Domestic Specifications (60Hz)
Shape	Oval
Shell Material	Duralex
Length	99 in
Width	51 in
Height	30 1/2 in
Corner Radii	N/A
Water Capacity	135 Gallons
Seating Capacity	2
Dry Weight	350 lbs
Full Weight	1475 lbs
Pump Brand	Sta-Rite
Motor Size	1.5 Hp
# Pumps/Speed	1-Dual Speed
Light	No
Control System	Spa Builders AP 100
Top Side Control	Air Switch
Programmable	No
Heater	Spa Builders AP 100
Voltage	110V
Amperage	15 Amp
GFCI Cord	Yes
Thermostat	Electric
Skirt Panel	No
Poly Floor	No
Gate Valves	No
Valve	No
Plumb Systems	1
Drains	2
Skimmer	8" Weir
VCR Jet - Air Adjustable	No
VCR Jet - Rotator	No
VCR Mini Directional	3
VCR Mini Rotator	3
HydraFlex Air Adjustable	No
HydraFlex Rotator	No
HydraFlex Wide Mouth	No
Ozone	No
Non-Adjustable Euro Jet	No
Typhoon Jet	No
Total Jets	6
Filter (Square Feet)	1 X 35
Laing Ready	No
Ozone Ready	No
Filter Lid	No
Pillows - Flush Mount	No

Architectural Specification



Caution

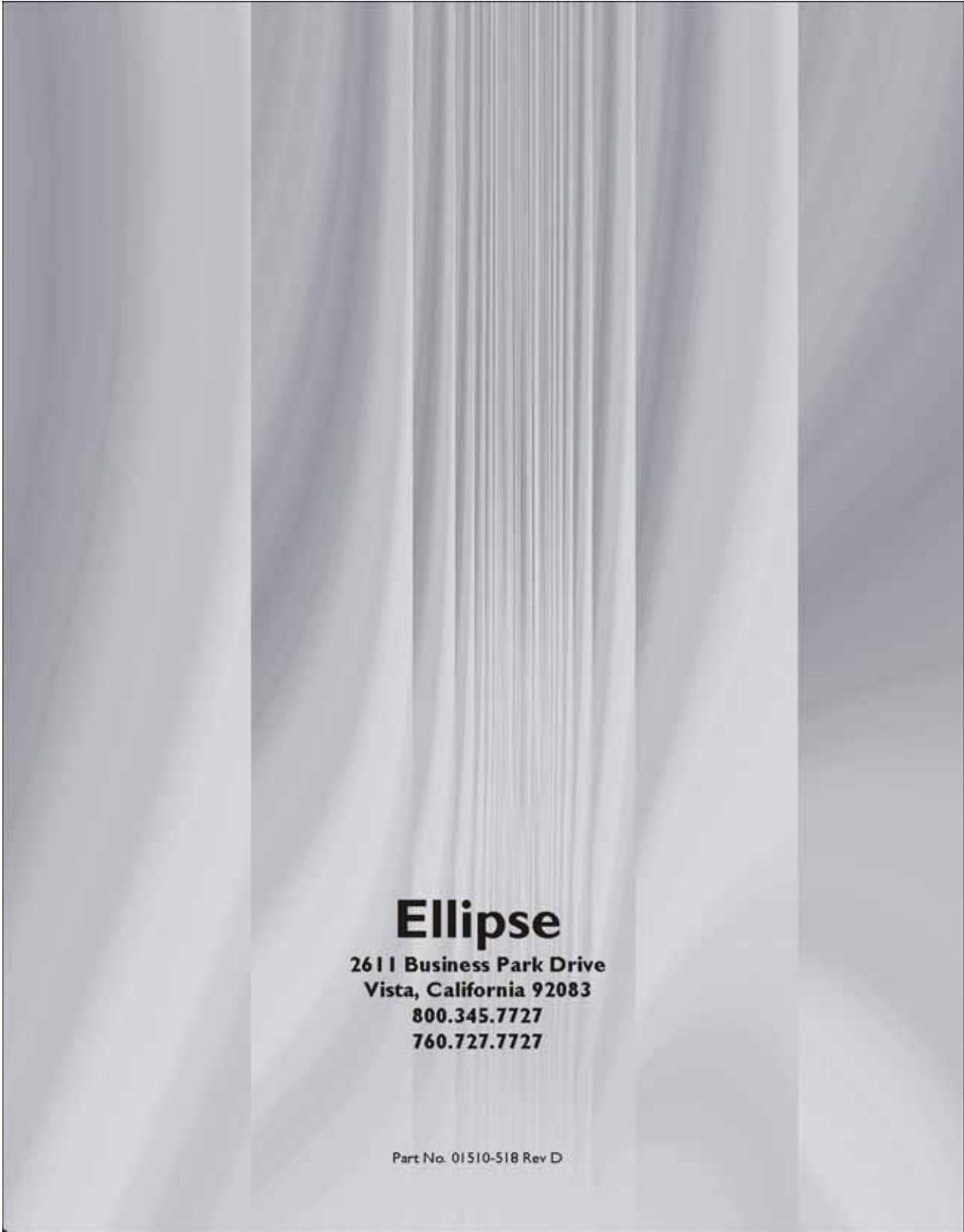
Due to manufacturing tolerances there could be some minor differences between the actual measurements of your spa and the drawing above, if site planning is critical to such tolerances, be sure to measure your actual spa.

Notes:

1. Subject to changes without notice
2. Engineering specifications may differ from brochure.
3. Dimensions are in inches

Ellipse
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