PDC® Spas

PERFORMANCE • DESIGN • COMFORT

SWIM & SPLASH SPA

OWNER'S MANUAL

REVISED 2026/05

Summit SYNERGY™ Splash series

1.800.451.1420 **pdcspas.com** service@pdcspas.com

Please note "swim spa" and "spa" are used interchangeably throughout this manual.

Plastic Development Company, Inc.
3743 West Fourth Street
Williamsport, PA 17701 USA
1.800.451.1420 tel
www.pdcspas.com

Congratulations on Choosing a Quality PDC Swim Fitness Spa! America's Best Spas

You now own a high quality PDC Swim Fitness Spa built for years of enjoyment and relaxation. It is of prime importance that you understand the operation of your swim fitness spa and enjoy it with safety in mind. You must read this manual thoroughly and understand all of the safety precautions. Using your swim fitness spa within these guidelines assures years of fun and relaxation gained from adding a PDC Swim Fitness Spa to your lifestyle.

Please read the Owner's Manual completely before installing and using your new swim spa. The purpose of this manual is to provide you with safety, operational and installation information which will allow you the fullest enjoyment of this fine product. Please note that all references to a swim spa are also referencing a fitness spa. Fitness spas are built for aquatic exercise routines and less aggressive swimming, while swim spas are designed for more active aggressive swimming.

At the time of printing, this manual was deemed as accurate as possible. PDC Spas reserves the right to change product in an effort to enhance and improve, without prior notice. To be aware of any of these possible changes, log on to www.pdcspas.com, referring to the Customer Care section, or contact your retailer directly.

Ownership Information

Name _____

Address _____

_____

Installation Date ____ / ____ / ____

Model Name _____ Serial # _____

Retailer Name _____ Retailer Phone Number _____

Service Technician Contact Info _____

Register Your Swim Fitness Spa

Please be sure to register your new swim spa upon delivery. Log onto https://www.pdcspas.com/register and enter the required information. We have no record of ownership until this is completed. This will ensure warranty coverage and information regarding possible product updates.

Locating Your Serial Number

The metal serial number plate can be found on the frame of the swim spa by removing the cabinet panel beneath the digital control pad. This blue and silver plate includes a 5 digit serial number.

SAVE THIS MANUAL FOR FUTURE REFERENCE !

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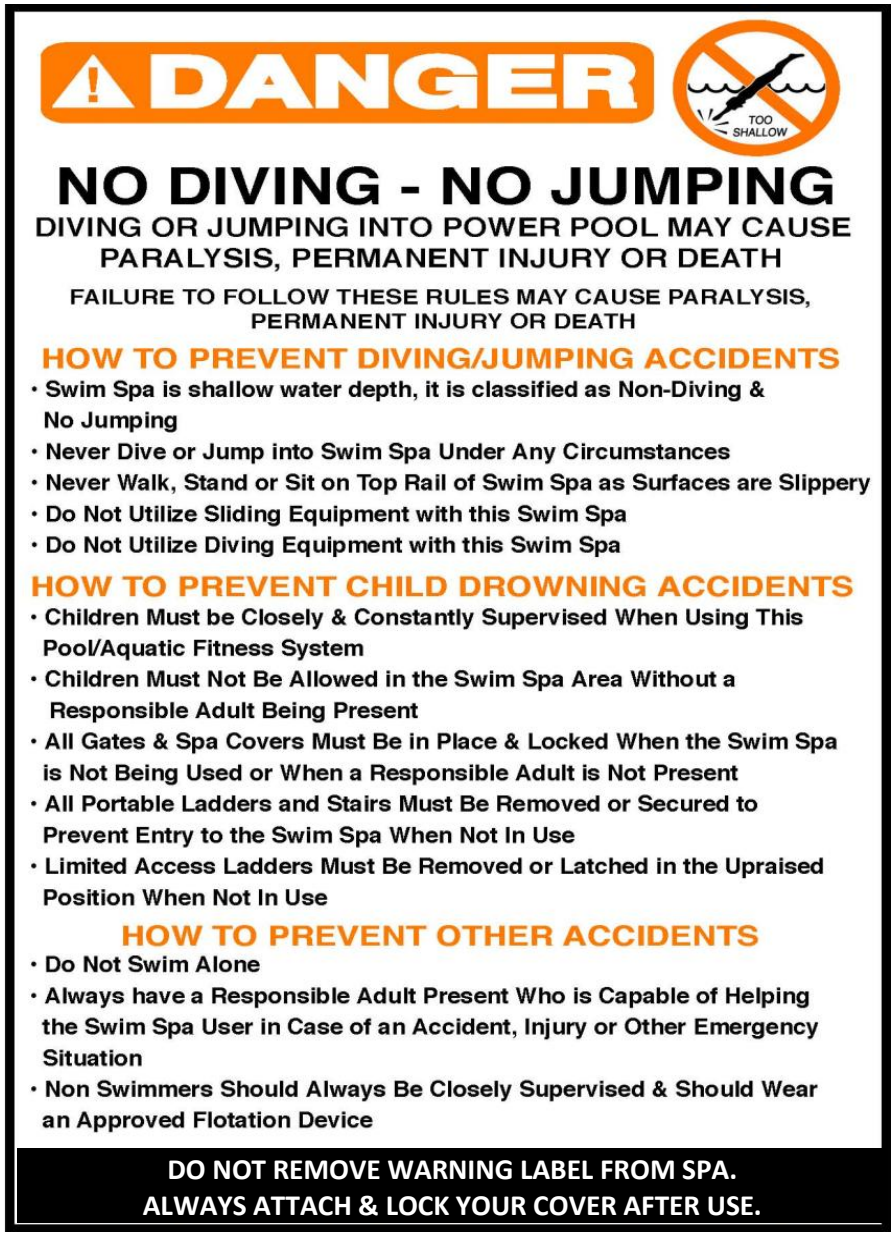


WARNING

This unit is a professional-grade product. A knowledge of construction techniques, plumbing and electrical installation according to codes are required for proper installation and user satisfaction. It is recommended that a licensed contractor perform the installation. Warranty is voided for improper installation related issues**.**

WARNING

REPLACE ALL SAFETY SUCTION COVERS EVERY 7 YEARS.
Replace with similar VGB approved fittings at same or higher flow ratings.
Replacement applies to all swim and fitness spa models, both round and square grate fittings.

READ AND FOLLOW ALL IMPORTANT SAFETY INSTRUCTIONS

When installing and using this equipment basic safety precautions should always be taken to reduce the risk of electrical shock, to ensure safe usage, and to safeguard the user's health.

READ AND FOLLOW ALL INSTRUCTIONS!!

This unit is a professional-grade product. This product shall be installed in accordance with local codes. A knowledge of construction techniques, plumbing and electrical installation according to codes are required for proper installation and user satisfaction. It is recommended that a licensed contractor perform the installation. The spa shall be secured to protect against unauthorized access per local codes. Warranty is voided for improper Installation related issues.

It is the responsibility of the home owner to ensure that all users of the swim spa are adequately informed of all precautions. Use the swim spa only as described in this manual. The swim spa is intended for home use only. Do not use the swim spa in a commercial or rental setting. All warranties will be voided.

GROUND ALL METAL ELECTRICAL EQUIPMENT

- **A green colored terminal or a terminal marked G, GR, Ground, or Grounding, is located inside the supply terminal box or compartment. This terminal must be connected to the grounding means provided in the electric supply service panel, using a continuous copper wire equivalent in size to the circuit conductors supplying this equipment. *according to, but not limited to: NEC, NFPA 70, Section 680.40, UL 1563.**
- **At least two lugs marked "Bonding Lugs" are provided on the external surface or on the inside of the supply terminal box or compartment. Connect the local common bonding grid (household ground) in the area of the swim spa to these terminals, using an insulated or bare copper conductor not smaller than No. 6 AWG.**
- **All field-installed metal components such as rails, ladders, drains or similar hardware located within 5 feet of the swim spa or hot tub must be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.**
- **All metal surfaces within 5 feet of the swim spa must be bonded to the home bonding grid.**
- **When installing Trex® decking, it's important to ensure proper grounding of any metal components, such as railing systems or framing connectors, in accordance with local electrical codes to maintain safety and prevent static discharge.**

GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (*or equivalent; RCD, for export installs*)

- **All PDC Spas swim spas are permanently installed units. GROUND FAULT CIRCUIT INTERRUPTER PROTECTION IS REQUIRED. All swim spa equipment systems must be protected by a class A ground fault circuit interrupter (GFCI) or equivalent; RCD, for export installs. A ground fault circuit interrupter type circuit breaker (NOT SUPPLIED) must be installed in the home panel box by a licensed electrician when making wire connection to the swim spa support pack equipment.**

DANGER: RISK OF ELECTRICAL SHOCK:

- **Install the swim spa at least five feet (1.52 m) from all ungrounded (unbounded) metal surfaces.**
- **Ground fault circuit interrupter protection of the home power supply to the swim spa is necessary. Your electrician should explain how it operates. (See swim spa maintenance for function and testing)**
- **Do not permit any electric appliance, such as a light, telephone, radio or television, within five feet (1.52 m) of a swim spa. Keep electrical appliances and extension cords away from the swim spa. Water is a conductor of electricity.**

DANGER: RISK OF ACCIDENTAL DROWNING.

- **Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use a swim spa unless they are supervised at all times.**

DANGER: TO REDUCE THE RISK OF DROWNING:

1. **Never use the swim spa alone.**

2. **Children should not use the swim spa unless they are supervised by an adult**
3. **Keep pets away from the swim spa at all times.**
4. **ALWAYS REPLACE AND LOCK THE SWIM SPA COVER WHEN THE SWIM SPA IS NOT IN USE.**

DANGER: TO REDUCE THE RISK OF DROWNING

- **Prolonged immersion in the swim spa may cause hyperthermia. The causes, symptoms and effects of hyperthermia may be described 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 (37°C). The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include:**

1. **Failure to perceive heat**
2. **Failure to recognize the need to exit the swim spa**
3. **Unawareness of impending hazard**
4. **Fetal damage in pregnant women**
5. **Physical inability to exit the swim spa**
6. **Unconsciousness resulting in the danger of drowning**

DANGER: RISK OF INJURY

- **Do not remove the suction fittings. The suction fitting in this swim spa is sized to match the specific water flow created by the pump. Should the need arise to replace the suction fitting or the pump, be sure that the flow rates are compatible. Never operate the swim spa if the suction fitting is 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 ACCIDENTAL DROWNING

- **Keep hair and body parts away from the suction guard. Do not allow long hair to float freely in the water; long hair should be restrained with a bathing cap. To reduce the risk of drowning from hair or body entrapment, install a suction fitting (s) with a marked flow rate in gallons per minute that equals or exceeds the flow rate marked on the equipment assembly, if replacement of suction fittings becomes necessary.**

WARNING

- **Ground fault circuit interrupter protection (GFCI) or equivelant; RCD, for the swim spa should be tested prior to each use by the homeowner. With the swim spa in operation, push the "test" button on the GFCI circuit breaker at the panel box. The swim spa should shut down immediately. Now reset the GFCI. The swim spa should return to normal operation. If the GFCI fails to operate in this manner, there exists a possibility of electrical shock. Approved testing applies for export protection devices, i.e. RCD.**
- **Discontinue swim spa operation by disconnecting the power source and notify a qualified electrician for identification and correction of the problem.**

WARNING

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

WARNING: TO REDUCE THE RISK OF INJURY

- **The water in a swim spa should never exceed 104ºF (40° C). Water temperatures between 100° F (38º C) and 104º F (40° C) are considered safe for a healthy adult. Lower water temperatures are recommended for extended use (exceeding 10 to 15 minutes) and for young children. Never exercise or swim in water above 90°F (32°c).**
- **Excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy. Pregnant or possibly pregnant women should limit swim spa temperatures to 100º F (38° C).**
- **Before entering a swim 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 5º F (3°C).**
- **THE USE OF ALCOHOL, DRUGS, OR MEDICATION BEFORE OR DURING SWIM SPA USE MAY LEAD TO UNCONSCIOUSNESS WITH THE POSSIBILITY OF DROWNING.**

- **Persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatiory system problems, or diabetes should consult a physician before using a swim spa.**
- **Always consult with a physician prior to beginning any exercise regimen . Do not overexert yourself. Take frequent breaks.**
- **Persons using medication should consult a physician before using a swim spa since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.**
- **Enter and leave swim spa slowly and with caution. Surfaces around swim spa will be wet and slippery.**

WARNING

1. **Never use the swim spa alone.**
2. **Do not bring any object into the swim spa that could damage the swim spa shell.**
3. **Do not sit on swim spa cover or place objects on it; it is not designed to support weight.**
4. **Remove any water or debris that may collect on the swim spa cover.**
5. **Keep all chemicals away from children and pets.**
6. **The PH and chemical balance of the water must be maintained as explained in this manual. Failure to do so may cause injury to users or damage to the swim spa, and will void your warranty.**

WARNING: HEALTH CONSIDERATIONS

- **The use of alcohol, drugs, medication can greatly increase risk of fatal hyperthermia.**
- **Individuals with infections and open sores or wounds should not use the swim spa. Bacteria thrive in warm and hot water. Always keep your swim spa disinfected and maintain the proper chemical balance.**
- **Shower before and after using the swim spa. This will remove any deodorant, perspiration, or body oils that could contaminate the water. Showering after will remove any residual chemicals and any bacteria that may have been in the swim spa.**
- **Do not use the swim spa immediately after strenuous exercise.**
- **If you feel pain or dizziness at any time while using the swim spa, discontinue use and contact a physician.**

WARNING: TO REDUCE THE RISK OF INJURY

- **It is especially important for persons over the age of 35 or persons with pre-existing health problems, such as obesity, heart disease, high blood pressure, circulatory problems, or diabetes to consult their physician before using the swim spa.**
- **The swim spa jets produce a stream of water with relatively high pressure. Prolonged exposure of a localized area of the body may cause bruises to the skin.**
- **Never insert any object into any opening.**
- **Do not use breakable containers in or near the swim spa.**

WARNING: ELECTRICAL CONSIDERATIONS

- **For controls other than underwater lighting circuits: A Ground Fault Circuit Interrupter (or equivalent for export installs) must be provided if this device is used to control an underwater lighting fixture. The conductors on the load side on the Ground Fault Circuit Interrupter shall not occupy conduit, boxes, or enclosures containing other conductors unless the additional conductors are also protected by a Ground Fault Circuit Interrupter (or equivalent for export installs).**
- **The electrical supply for this product must include a suitably rated switch or circuit breaker to open all underground supply conductors to comply with Section 422-20 of the U.S. National Electric Code. The disconnecting means must be readily accessible to the swim spa occupant but installed at least 5 FT (1.5 M) from the swim spa water.**

WARNING: For swim spas with audio / video components

1. **CAUTION - Risk of Electric Shock. Do not leave compartment door open.**

2. **CAUTION - Risk of Electric Shock. Replace components only with identical components.**

3. **Do not operate the audio/video controls while inside the swim spa.**

4. **WARNING - Prevent Electrocution. Do not connect any auxiliary components (for example cable, additional speakers, headphones, additional audio/video components, etc.) to the system.**

5. **These units are not provided with an outdoor antennae; when provided, it should be installed in accordance with Article 810 of the U.S. National Electrical Code, ANSI/NFPA 70.**

6. **Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.**

7. **When the power supply connection or power supply cord(s) are damaged; if water is entering the audio/video compartment or any electrical equipment compartment area; if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to qualified service personnel.**

8. **This unit should be subjected to periodic routine maintenance (for example, once every 3 months) to make sure that the unit is operating properly.**

ADDITIONAL SAFETY CONSIDERATIONS

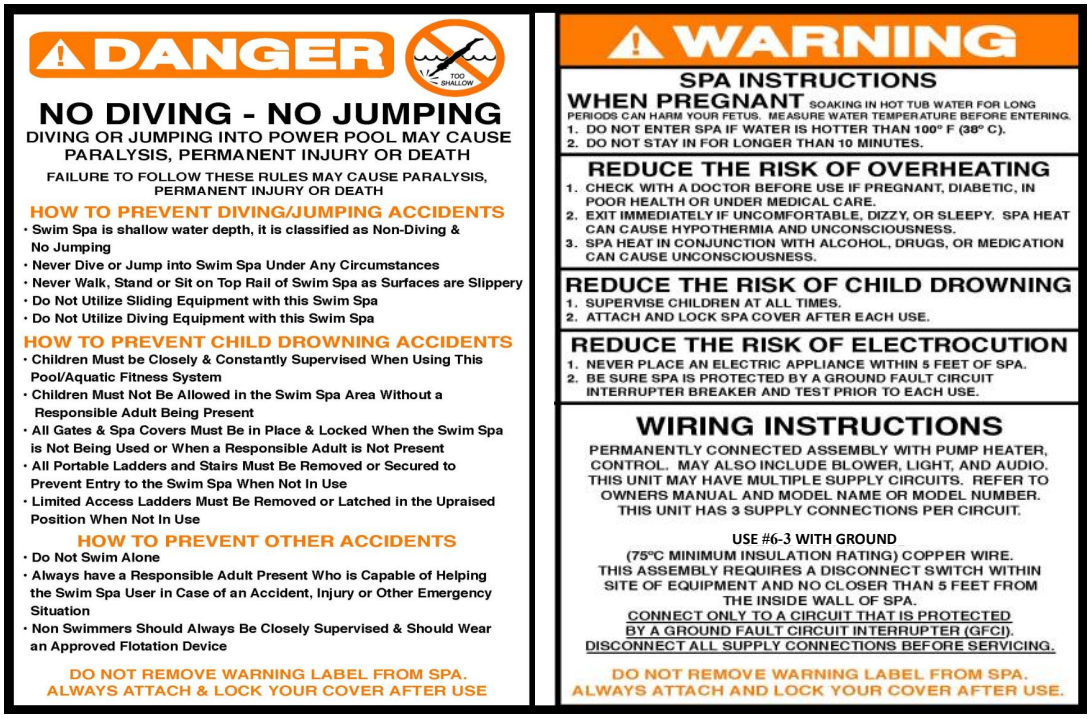
- **Install the swim spa to provide drainage for compartments of electrical components.**
- **For floor recessed swim spas: Install to permit access for servicing from above or below the floor. Swim spa equipment must be installed below water level.**
- **When planning your swim spa installation site, prepare for the unlikely event of rapid swim spa drainage.**
- **Do not place swim spa in direct sunlight while unit is empty or when sealed in shipping materials. Excessive heat build may cause damage to swim spa and void warranty.**
- **When installing swim spa, allow ample space for future servicing, noting location of all support equipment per the model specifications.**
- **Spas that include gas-burning heating components, shall be installed in accordance with NFPA 54 or other local codes.**

SAVE THESE INSTRUCTIONS

Warning Danger Signs

Cabinet Installed: For your referral, safety and convenience, a weather resistant sign has been mounted on the end cabinet side of your portable swim fitness spa. Become familiar with the precautions, exercise safety and care while enjoying your swim spa. Notify the factory or your retailer should you require additional signs or replacements.

Warning Sign Must Be Posted: An additional copy of this sign can be found packaged with your new swim fitness spa. This sign must be posted permanently in a prominent area near the swim spa where it is clearly visible to all swim spa occupants. Post this sign immediately upon installation. Notify the factory or your retailer should you require additional signs or replacements.



Important: It is extremely important that this sign be posted permanently placed in clear view of persons using the swim spa. Occasional swim fitness spa users may not be aware of some of the dangers hot water poses to pregnant women, small children, seniors, and people under the influence of alcohol. If you did not receive a warning sign or your sign has become damaged, please call your local retailer or the factory for a replacement.

WARNING: Read all instructions before using the swim fitness spa. PDC Spas assumes no responsibility for personal injury or property damage sustained by or through the use of this product.

SAVE THIS MANUAL, SIGNS, AND INSTRUCTIONS FOR FUTURE REFERENCE.

Hydrotherapy Jets:
Various sized fittings mix water with air to produce localized therapy, in a straight stream, circular motion, or in random patterns for massage. Positioned in massage seats from neck to feet, RX6 massage columns.

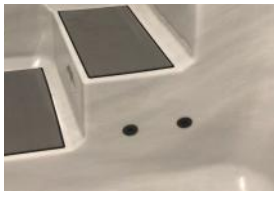
Elite Pro™ Jets:
This is a large powerful jet (3 on Summit™ Series, 2 on Synergy™ Series, 1 on Vitality™ and Splash Series™) that is designed to move water at a high flow rate. The jet features a long horizontal nozzle for a wider, more powerful and balanced fitness lane.

Ultra Massage Selector: (Diverter Valve) Located on the swim spa lip, this fitting is much larger than the air control described below. Turn to adjust pump power to selected jets which enhances water action through those jets by decreasing water action through others. Be sure that no sand or particles are brought into the swim spa as they will cause the diverter to seize up. It is best to turn the diverter valve only when the pump is turned off.

Air Controls: Fittings mounted on the lip of the swim spa controlling the amount of outside air mixed with incoming water of the hydrotherapy jet. Your swim spa has multiple air controls on the swim spa lip that control air/ water mix for a segment of the jets. You choose the strength that best suits you. When not in use, the air controls should be kept in the off position.

Suction: Circular fitting mounted on the vertical wall of the footwell and serves as an additional pump water inlet. These fittings are in all Series Fitness and Swim Spas. In the event any damage to the suction cover occurs, replace immediately with a like VGB approved suction. This replacement must be done every 7 years regardless of damage or not.

Pristine™ Filter: All swim and fitness spas are equipped with skim suction-side filters. They assure optimum water filtering and ease of cleaning at spa side. Review the maintenance section of this manual for filter cartridge cleaning and replacement.



Ozone Jets: All swim fitness spas are equipped with ozone jets for sanitation. The filter cycle should circulate 8-10 hours daily for proper ozonation. Use the programmable electronic control center to program this operation.

Ozonator: Your EverPure2™ system of ozone, UV/C is a standard feature on all swim spas and operate in conjunction with your filtration system. Ozone is a gas, $O^{3,}$ that has been used for years as a sanitation treatment for drinking water, and now as a proven purifier for swim spas and hot tubs. The EverPure2™ offers advanced purification with the addition of the UV element further reducing the use of harsh sanitizing chemicals and minimizing overall maintenance. The EverPure2™ system is optional on Splash spas and the hot tub side of dual zone swim spa models.

Slide Valves: Valves are used to shut off the water flow to the heater, circulation pump, secondary pump, and fitness pumps for specific service problems.

Support Pack: The control system operates all functions of the swim spa. Make sure your electrician connects the power supply accordingly to all National Electric Code, and shows you how to test the GFCI circuit breaker (not supplied). This pack is connected to a 50 amp breaker and for dual zone products; FX219, FX219s and TSX 219, there will be two packs, one for the fitness zone and another for the spa zone.

SmartView™ Control: Digital lighted control center operates all pump functions, temperature control, scheduled filtration cycles, lights and workout modes. Refer to the Control section of this manual for programming of personalized propulsion speed for custom workouts.

ProView™ and Accent™ Controls: Used to control all operational functions. The topside is used to control water temperature, pumps, spa light, programmable filtration cycles, and functions. The topside will display between the water temperature and the time, as well as display error codes relating to service needs. *(Synergy Series FX-ProView™ shown.)*

Circulation Pump: A dual speed pump designed to use low speed for water filtration and heating and a high speed for hydrotherapy. The jets one button on the topside control will activate the circulation pump. The FX219, FX219s, SX219 and SX219s will have a second circulation pump for the spa zone.

Heater: Your swim spa is equipped with a thermostat control at the spa side (topside control). Set the swim spa at the temperature you enjoy. Leave the thermostat at that setting, and the swim spa will automatically maintain the correct temperature; ready for your enjoyment anytime. Avoid constant resetting of the thermostat; it is more economical to maintain temperature. Never raise the temperature above 104 degrees. Never raise temperature above 86 degrees for exercising. *(Heater is integrated in the Support Pack as described above.)* Dual zone models have a separate heater for both the fitness zone and the hot tub zone allowing the user to control temperature in each best optimized for activity or relaxation.

Secondary pump: A single speed secondary pump has been added to the hot tub zone of the dual zone models for additional relaxation and therapy.

Fitness pumps: Fitness pumps are designed to power the Elite Pro™ jets in both the swim and Splash units. Refer to the Control Section of this manual for detail on programming custom and pre-programmed workouts maximizing the aquatic exercise experience.

LED Lighting Packages :

Motion Glow™: Low voltage underwater swim spa light, with varying shades of a color wash, controlled at the spa side control panel. Choose rotation of color or constant color of your choice.

Highlights™ LED Lighting: Standard on all models, the MotionGlow™ underwater lighting package features pin lights setting the water and water spouts aglow for an enhanced experience.

Eclipse™ LED Lighting: Optional for all series, this package includes cabinet sconces highlighting the cabinet for added beauty of the unit and a safer setting for entry and exit after a spa session.

Oasis™ LED Lighting : Optional on Synergy™ and Summit™ Series models only. This package includes lit topside air and diverter controls enhancing ease of operation during nighttime use.

Luminx™ Lighting: Optional for all series. This smartphone-controlled lighting system offers a variety of settings, allowing you to customize and enhance the spa's lighting experience.

EverLite™: Exclusive to all PDC models is the cabinet mounted sight glass which confirms the EverPure™ ozone system and EverPure2™ purification system of ozone and UV/C are properly operating. Dual zone models feature an a EverLite™ on each zone.

Water Spout Control Valve: All models feature soothing, visually pleasing water spouts on each side of the unit. A control valve operates water flow on that bank of spouts.

AquaForce™ and AquaCross™ Mount: The Synergy™ and Summit™ Series models feature the AquaCross™ tether exercise system as a standard feature, BAJA15, as an option. The telescopic pole is securely mounted on the end spa lip in a stainless steel receptor. Assure a tight connection prior to commencing aquatic exercise. As an option on the Synergy™, Splash and Summit™ Series, the AquaForce™ upper body rope and pulley fitness equipment also uses a stainless steel grommet for pole insertion. Read this manual for safety and use instructions prior to workout.

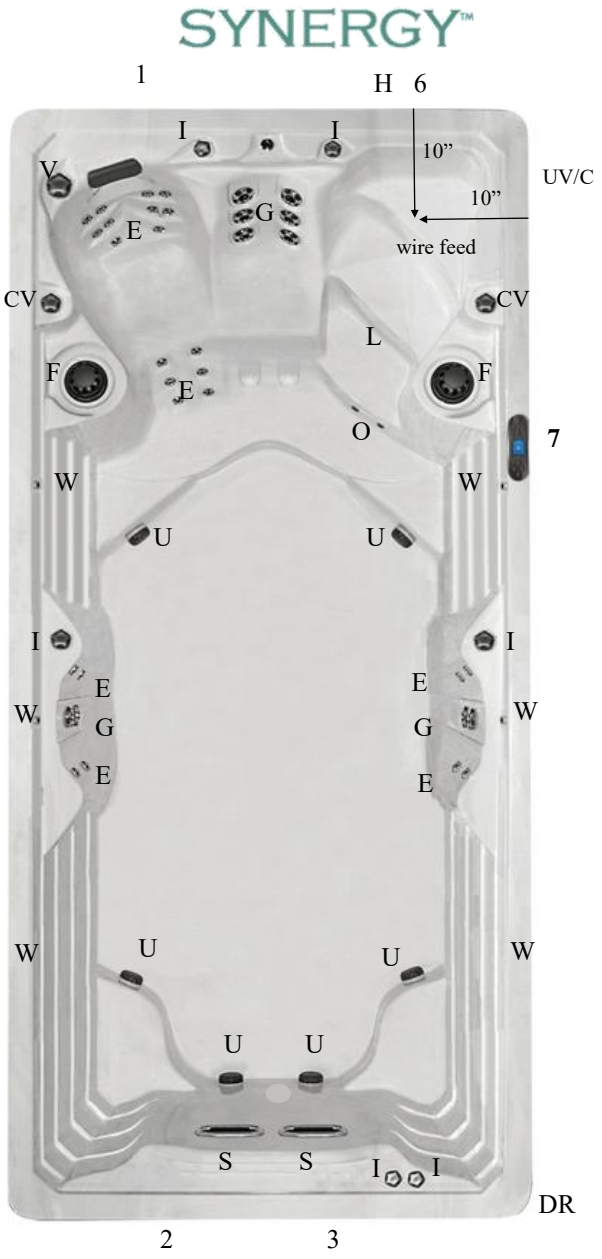
Ozonator: Your EverPure™ ozonator will operate in conjunction with your filtration system. Ozone is a gas, $O^{3,}$ that has been used for years as a sanitation treatment for drinking water, and now as a proven purifier for swim spas and hot tubs. This system is used in the hot tub zone of all dual zone models.

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	112” approx.
Dimensions (Domestic)	180” x 92” x 56”
Dimensions (Export)	427 cm. x 234 cm x 142 cm.
Water Capacity	2,140 gallons (8,100 liters)
Dry Weight	1,645 lbs. (746 kg.)
Skirt Material	Permawood™
Water Flow	647 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		6
Elite Pro™ Jet	S	2
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	6
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1



SPECIAL FEATURES

Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	FX-ProView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL **rev. 2026/05**

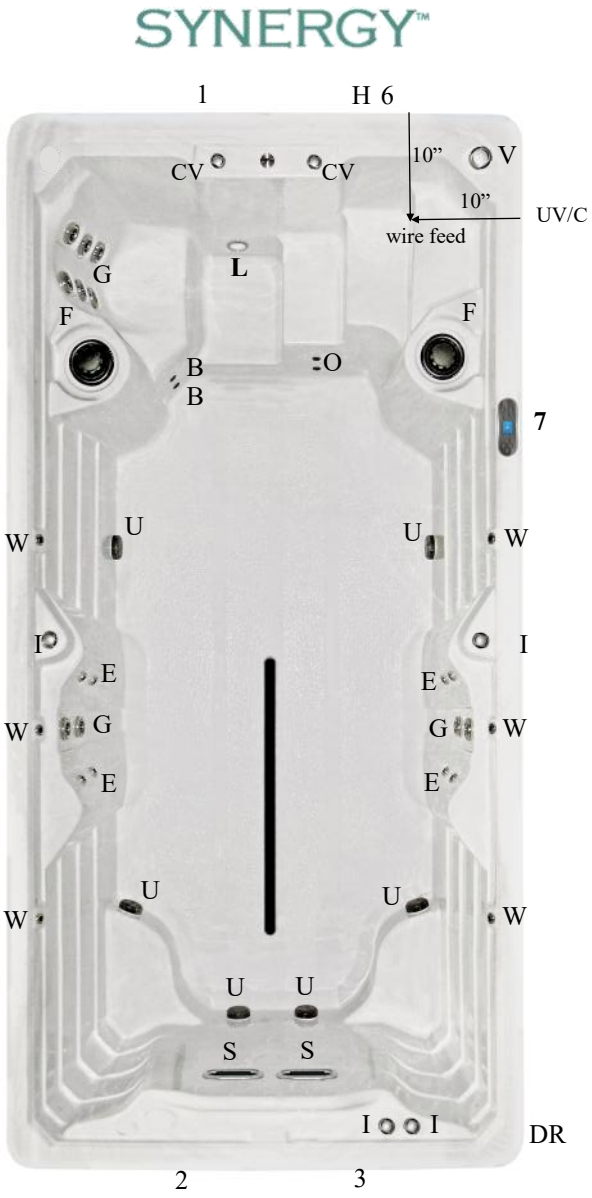
Seating Capacity	1 seat, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	130” approx.
Dimensions (Domestic)	180” x 92” x 56”
Dimensions (Export)	427 cm. x 234 cm x 142 cm.
Water Capacity	2,240 gallons (8,479 liters)
Dry Weight	1,645 lbs. (746 kg.)
Skirt Material	Permawood™
Water Flow	647 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		6
Elite Pro™ Jet	S	2
Large Euro Jet w/ Eyeball	E	8
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	6
Air Control	I	5
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Bypass Jet	B	2
Drain Valve	DR	1

SPECIAL FEATURES

Spa Pillows	
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*



ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	FX-ProView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	136”
Dimensions (Domestic)	204” x 92” x 56”
Dimensions (Export)	518 cm. x 234 cm x 142 cm.
Water Capacity	2,420 gallons (9,161 liters)
Dry Weight	1,784 lbs. (810 kg.)
Skirt Material	Permawood™
Water Flow	647 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		6
Elite Pro™ Jet	S	2
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	6
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1

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Highlights™ LED lighting	Standard
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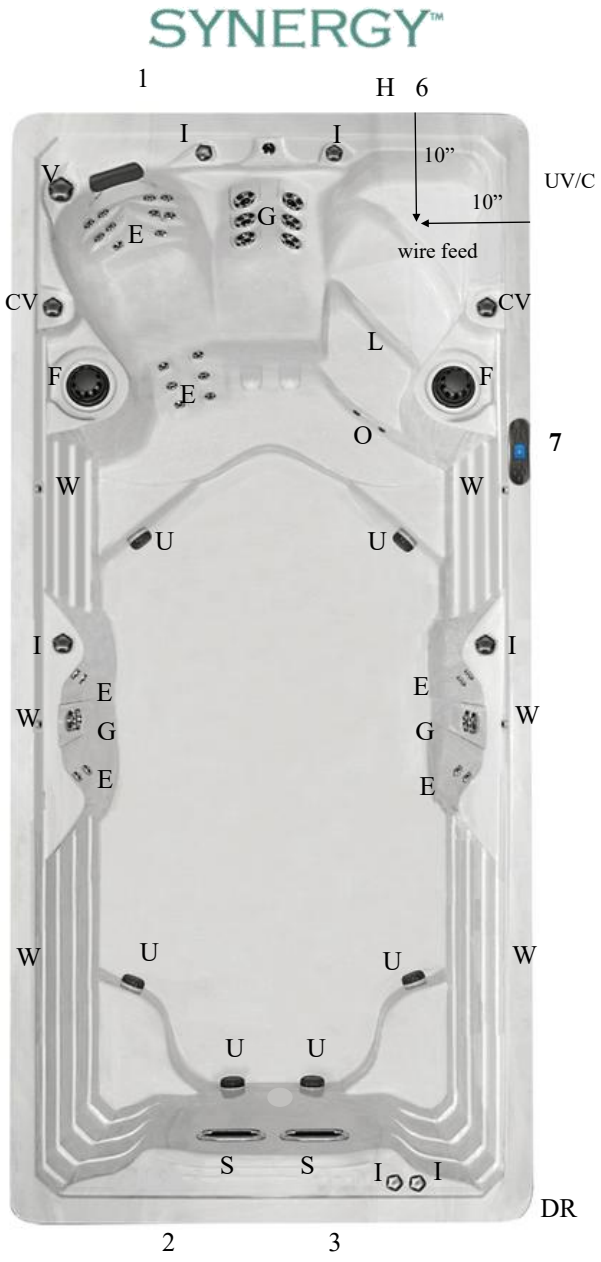


ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	FX-ProView™ Control

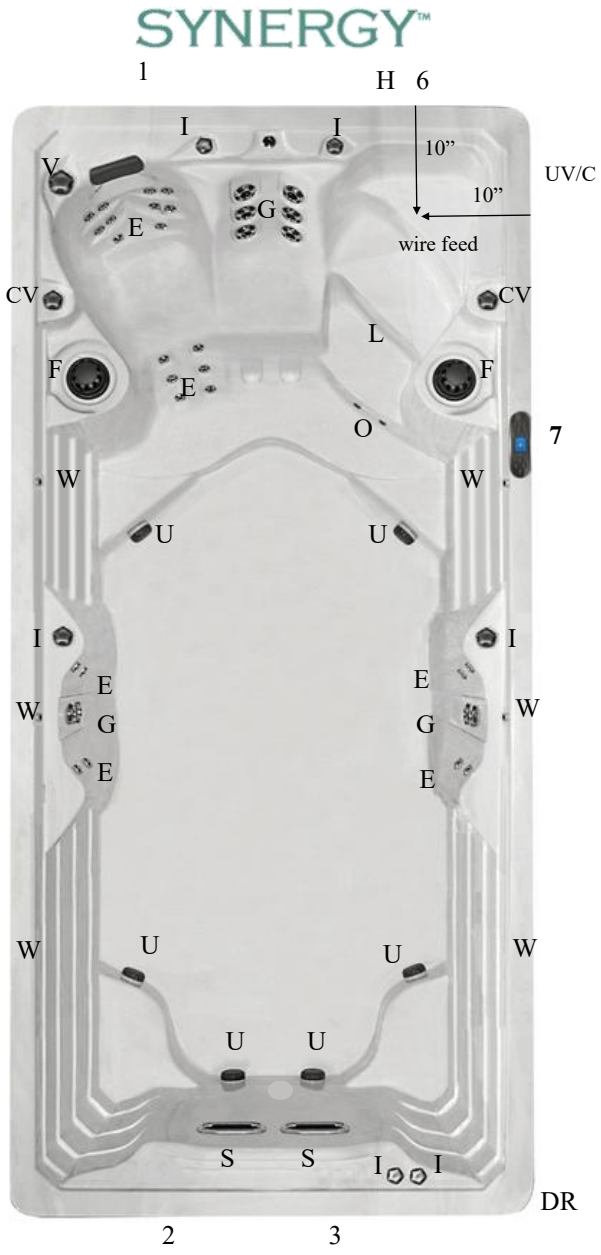
** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	160” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,700 gallons (10,221 liters)
Dry Weight	1,990 lbs. (903 kg.)
Skirt Material	Permawood™
Water Flow	647 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		6
Elite Pro™ Jet	S	2
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	6
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1



SPECIAL FEATURES

Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	FX-ProView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.
All specifications are accurate at time of print. Manufacturer reserves the option to change product without prior notice. Dimensions are approximate.

GENERAL **rev. 2026/05**

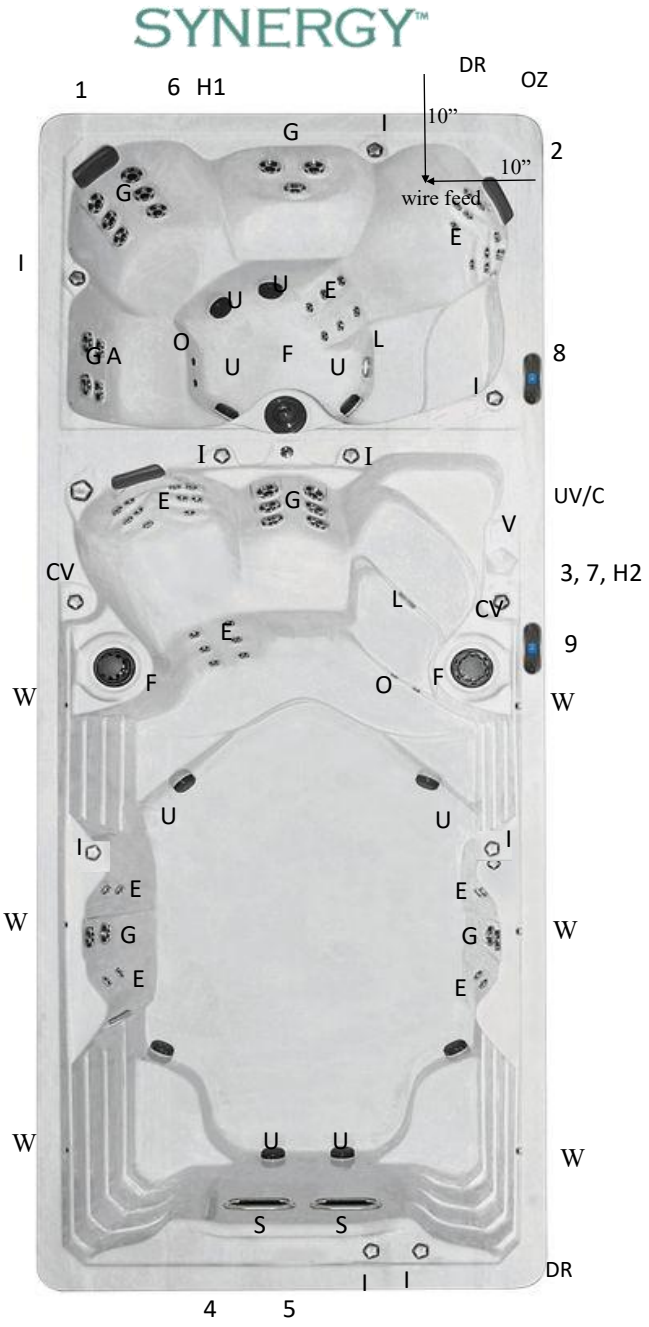
Seating Capacity	6 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	100” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,425 gallons (9,180 liters)
	Spa:425 gal. Fitness: 2000 gal.
Dry Weight	2,475 lbs. (1,123 kg.)
Skirt Material	Permawood™
Water Flow	1,021 GPM

WATER SYSTEM**

		(photo ref.)
EverPure2™ Treatment System	UV/C	1
EverPure™ Treatment System	OZ	1
Pristine™ Filter	F	3
Slide Valves		10
Elite Pro™ Jet	S	2
MegaSwirl™ Jet	A	2
Large Euro Jet w/ Eyeball	E	42
Mega’ssage™ Jet	G	21
Ozone Jet	O	4
Diverter Valves	V	1
Safety Suction	U	10
Air Control	I	9
MotionGlow™ Light	L	2
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	2

SPECIAL FEATURES

Spa Pillows	3
Highlights2™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse2™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

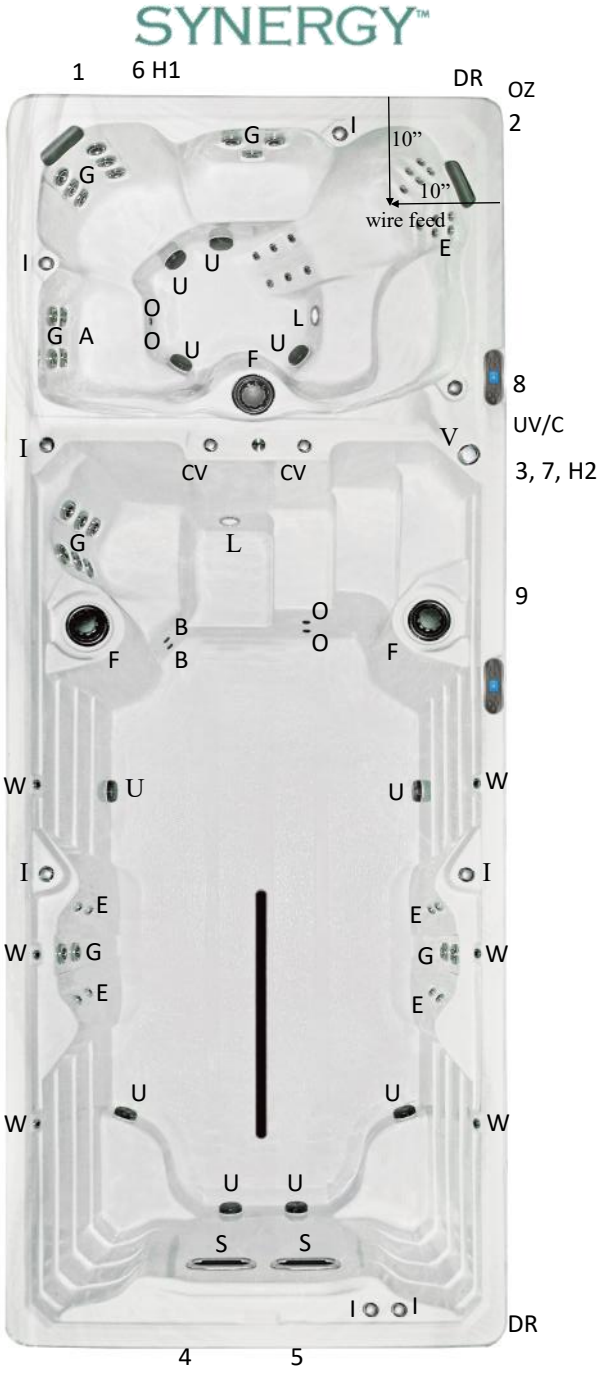


ELECTRICAL SYSTEM (Requires Two 50 amp 120/240V Circuits Each with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump #1	1	4.0 HP
Spa Pump #2	2	4.0 HP
Swim Spa Seating Pump	3	4.0 HP
Swim Pump #1	4	6.0 HP
Swim Pump #2	5	6.0 HP
Electronics		
Electrical Can (spa end), (swim end)	6, 7	100X1, 501X1
Voltage (spa end), (swim end)		240, 240
Amperage (spa end), (swim end)		50, 50
Heater (spa end), (swim end)	H1, H2	5.5 KW, 5.5KW
Operation System		
Spa Side Control (spa end), (swim end)	8, 9	ProView™ & FX-ProView™

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL	rev. 2026/05
Seating Capacity	5 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	118” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,525 gallons (9,558 liters)
	Spa:425 gal. Fitness: 2100 gal.
Dry Weight	2,475 lbs. (1,123 kg.)
Skirt Material	Permawood™
Water Flow	1,021 GPM



WATER SYSTEM**	(photo ref.)	
EverPure2™ Treatment System	UV/C	1
EverPure™ Treatment System	OZ	1
Pristine™ Filter	F	3
Slide Valves		10
Elite Pro™ Jet	S	2
MegaSwirl™ Jet	A	2
Large Euro Jet w/ Eyeball	E	24
Mega’ssage™ Jet	G	21
Ozone Jet	O	4
Diverter Valves	V	1
Safety Suction	U	10
Air Control	I	8
MotionGlow™ Light	L	2
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Bypass Jet	B	2
Drain Valve	DR	2

SPECIAL FEATURES	
Spa Pillows	2
Highlights2™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires Two 50 amp 120/240V Circuits Each with GFCI Protection.)

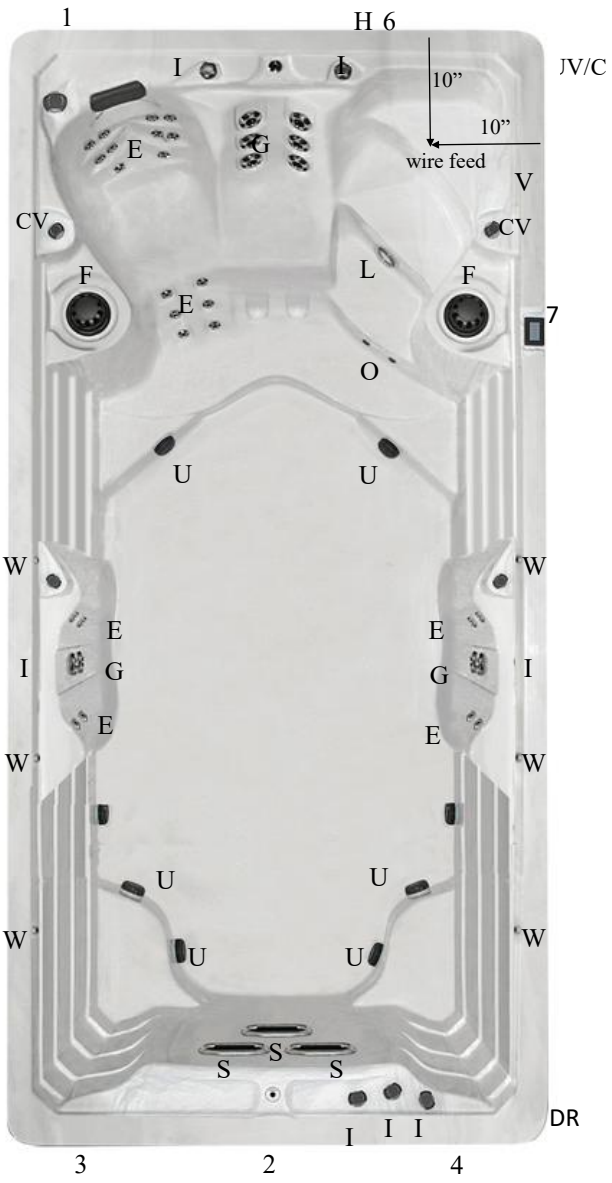
Pump Information	Reference Number	Domestic (60Hz)
Spa Pump #1	1	4.0 HP
Spa Pump #2	2	4.0 HP
Swim Spa Seating Pump	3	4.0 HP
Swim Pump #1	4	6.0 HP
Swim Pump #2	5	6.0 HP
Electronics		
Electrical Can (spa end), (swim end)	6, 7	100X1, 501X1
Voltage (spa end), (swim end)		240, 240
Amperage (spa end), (swim end)		50, 50
Heater (spa end), (swim end)	H1, H2	5.5 KW, 5.5KW
Operation System		
Spa Side Control (spa end), (swim end)	8, 9	ProView™ & FX-ProView™

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

Summit

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	112” approx.
Dimensions (Domestic)	180” x 92” x 56”
Dimensions (Export)	427 cm. x 234 cm x 142 cm.
Water Capacity	2,140 gallons (8,100 liters)
Dry Weight	1,725 lbs. (782 kg.)
Skirt Material	Permawood™
Water Flow	877 GPM



WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		8
Elite Pro™ Jet	S	3
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	8
Air Control	I	7
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1

SPECIAL FEATURES

Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Swim Pump #3	4	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	SX-SmartView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL **rev. 2026/05**

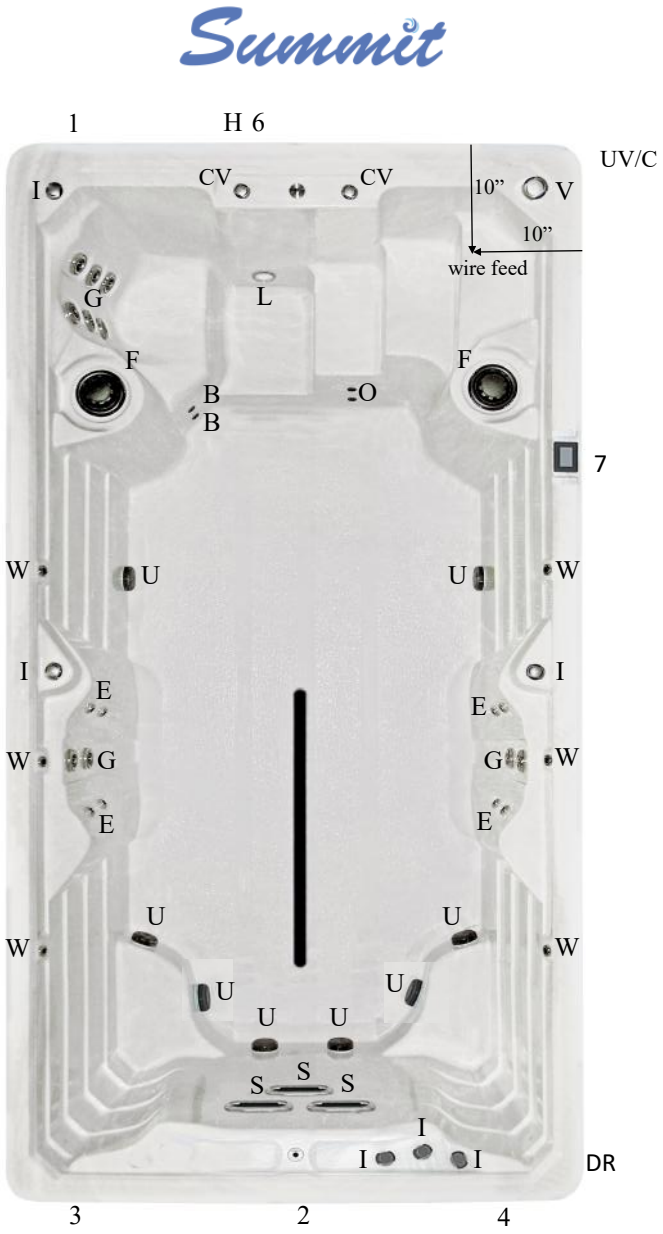
Seating Capacity	1 seat, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	130” approx.
Dimensions (Domestic)	180” x 92” x 56”
Dimensions (Export)	427 cm. x 234 cm x 142 cm.
Water Capacity	2,240 gallons (8,479 liters)
Dry Weight	1,725 lbs. (782 kg.)
Skirt Material	Permawood™
Water Flow	877 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		8
Elite Pro™ Jet	S	3
Large Euro Jet w/ Eyeball	E	8
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	8
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Bypass Jet	B	2
Drain Valve	DR	1

SPECIAL FEATURES

Spa Pillows	
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*



ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Swim Pump #3	4	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	SX-SmartView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

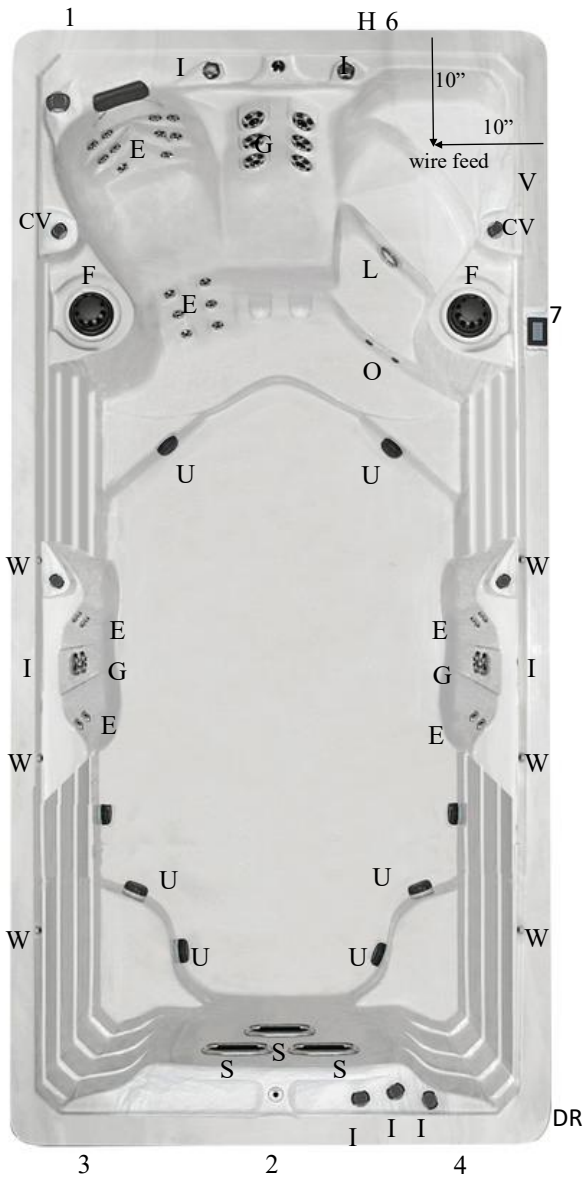
Summit

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	136”
Dimensions (Domestic)	204” x 92” x 56”
Dimensions (Export)	518 cm. x 234 cm x 142 cm.
Water Capacity	2,420 gallons (9,161 liters)
Dry Weight	1,860 lbs. (844 kg.)
Skirt Material	Permawood™
Water Flow	877 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		8
Elite Pro™ Jet	S	3
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	8
Air Control	I	7
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1



SPECIAL FEATURES

Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

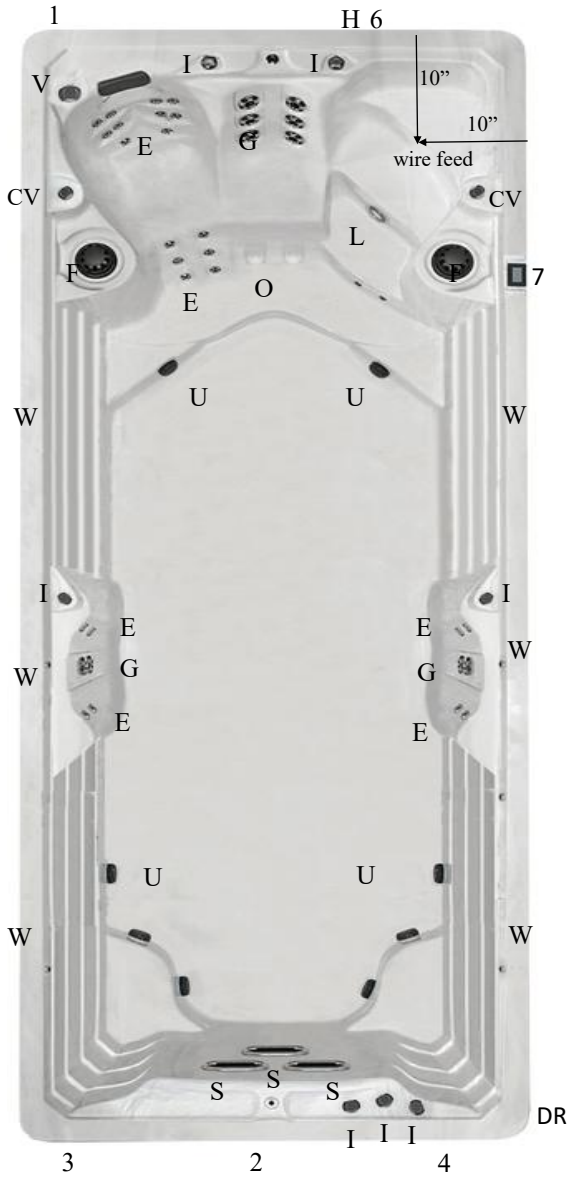
Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Swim Pump #1	2	6.0 HP
Swim Pump #2	3	6.0 HP
Swim Pump #3	4	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	SX-SmartView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

Summit

GENERAL **rev. 2026/05**

Seating Capacity	2 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	160” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,700 gallons (10,221 liters)
Dry Weight	2,065 lbs. (937 kg.)
Skirt Material	Permawood™
Water Flow	877 GPM



WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	2
Slide Valves		8
Elite Pro™ Jet	S	3
Large Euro Jet w/ Eyeball	E	26
Mega’ssage™ Jet	G	10
Ozone Jet	O	2
Diverter Valves	V	1
Safety Suction	U	8
Air Control	I	7
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1

SPECIAL FEATURES

Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	4.0 HP
Spa Pump #1	2	6.0 HP
Spa Pump #2	3	6.0 HP
Spa Pump #3	4	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	SX-SmartView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.
All specifications are accurate at time of print. Manufacturer reserves the option to change product without prior notice. Dimensions are approximate.

GENERAL **rev. 2026/05**

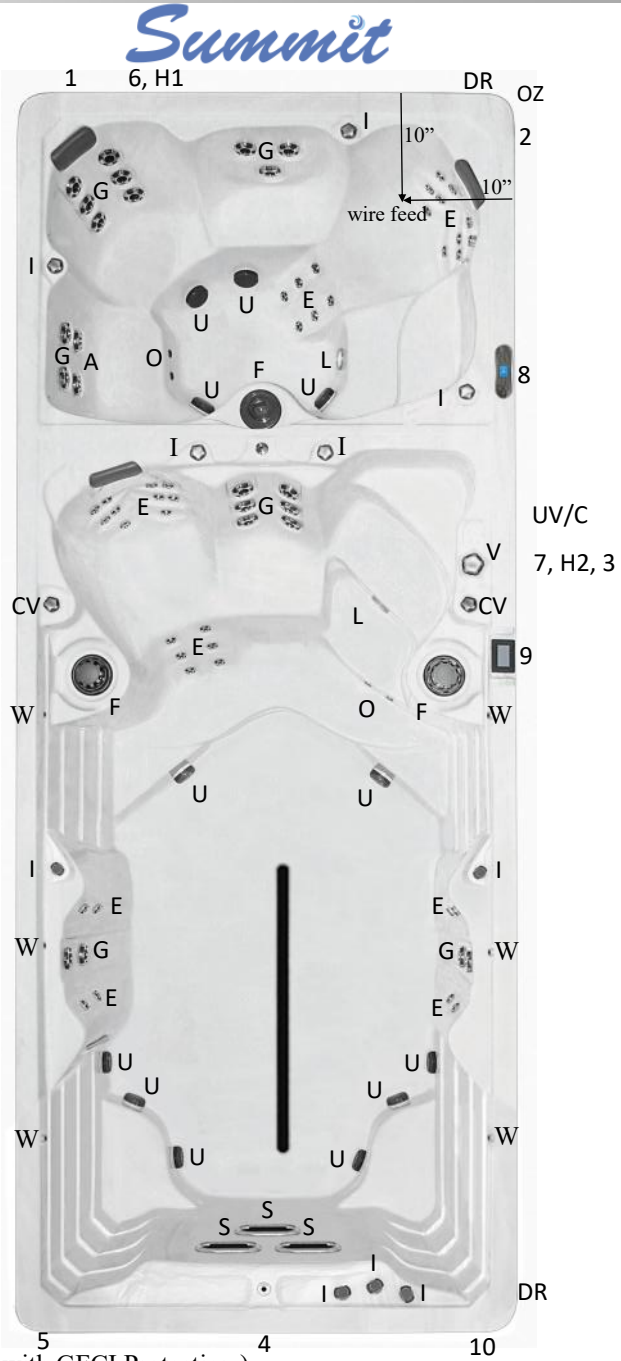
Seating Capacity	6 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	100” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,425 gallons (9,180 liters)
	Spa:425 gal. Fitness: 2000 gal.
Dry Weight	2,550 lbs. (1,157 kg.)
Skirt Material	Permawood™
Water Flow	1,251 GPM

WATER SYSTEM** (photo ref.)

EverPure2™ Treatment System	UV/C	1
EverPure™ Treatment System	OZ	1
Pristine™ Filter	F	3
Slide Valves		12
Elite Pro™ Jet	S	3
MegaSwirl™ Jet	A	2
Large Euro Jet w/ Eyeball	E	42
Mega’ssage™ Jet	G	21
Ozone Jet	O	4
Diverter Valves	V	1
Safety Suction	U	12
Air Control	I	10
MotionGlow™ Light	L	2
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	2

SPECIAL FEATURES

Spa Pillows	3
Highlights2™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse2™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*



ELECTRICAL SYSTEM (Requires Two 50 amp 120/240V Circuits Each with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump #1	1	4.0 HP
Spa Pump #2	2	4.0 HP
Swim Spa Seat Pump	3	4.0 HP
Swim Pump #1	4	6.0 HP
Swim Pump #2	5	6.0 HP
Swim Pump #3	10	6.0 HP
Electronics		
Electrical Can (spa end), (swim end)	6, 7	100X1, 501X1
Voltage (spa end), (swim end)		240, 240
Amperage (spa end), (swim end)		50, 50
Heater (spa end), (swim end)	H1, H2	5.5 KW, 5.5KW
Operation System		
Spa Side Control (spa end), (swim end)	8, 9	ProView™, SX-SmartView™

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.
All specifications are accurate at time of print. Manufacturer reserves the option to change product without prior notice. Dimensions are approximate.

GENERAL **rev. 2026/05**

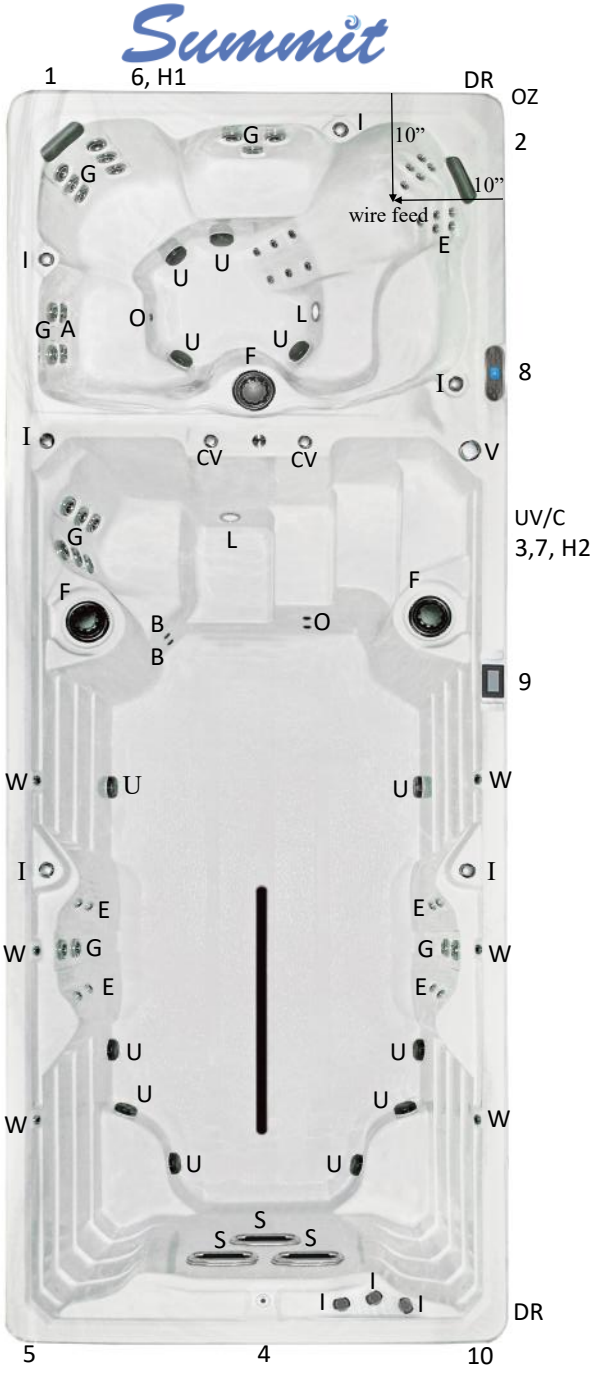
Seating Capacity	5 seats, 2 RX6, fitness area
Shell Material	Acrylic
Fitness Length	118” approx.
Dimensions (Domestic)	227” x 92” x 56”
Dimensions (Export)	578 cm. x 234 cm x 142 cm.
Water Capacity	2,525 gallons (9,558 liters)
	Spa:425 gal. Fitness: 2100 gal.
Dry Weight	2,550 lbs. (1,157 kg.)
Skirt Material	Permawood™
Water Flow	1,251GPM

WATER SYSTEM** (photo ref.)

EverPure™ Treatment System	OZ	1
EverPure2™ Treatment System	UV/C	1
Pristine™ Filter	F	3
Slide Valves		12
Elite Pro™ Jet	S	3
MegaSwirl™ Jet	A	2
Large Euro Jet w/ Eyeball	E	24
Mega’ssage™ Jet	G	21
Ozone Jet	O	4
Diverter Valves	V	1
Safety Suction	U	12
Air Control	I	9
MotionGlow™ Light	L	2
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Bypass Jet	B	2
Drain Valve	DR	2

SPECIAL FEATURES

Spa Pillows	2
Highlights2™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*



ELECTRICAL SYSTEM (Requires Two 50 amp 120/240V Circuits Each with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump #1	1	4.0 HP
Spa Pump #2	2	4.0 HP
Swim Spa Seating Pump	3	4.0 HP
Swim Pump #1	4	6.0 HP
Swim Pump #2	5	6.0 HP
Swim Pump #3	10	6.0 HP
Electronics		
Electrical Can (spa end), (swim end)	6, 7	100X1, 501X1
Voltage (spa end), (swim end)		240, 240
Amperage (spa end), (swim end)		50, 50
Heater (spa end), (swim end)	H1, H2	5.5 KW, 5.5KW
Operation System		
Spa Side Control (spa end), (swim end)	8, 9	ProView™, SX-SmartView™

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

GENERAL	rev. 2
Seating Capacity	8 seats, fitness area
Shell Material	Acrylic
Fitness Length	73” (186 cm.)
Dimensions (Domestic)	144” x 92” x 50”
Dimensions (Export)	366cm. x 234 cm. x 127cm.
Water Capacity	1,100 gallons (4,164 liters)
Dry Weight	1,125 lbs. (510 kg.)
Skirt Material	Permawood™
Water Flow	460 GPM

WATER SYSTEM**	(photo ref.)	
EverPure™ Treatment System	OZ	1
Pristine™ Filter	F	2
Slide Valves		4
Elite Pro™ Jet	S	1
Euro Jet w/ Eyeball	E	31
Mega’ssage™ Jet	G	11
Large Euro Jet	LE	17
Ozone Jet	O	2
Diverter Valves	V	2
Safety Suction	U	4
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	4
Water Spout Control	CV	2
Drain Valve	DR	1

SPECIAL FEATURES	
Spa Pillows	1
Highlights™ LED lighting	Standard
Stainless Steel Jetting	Standard
Oasis™ LED lighting	Optional
Eclipse™ LED cabinet lighting	Optional
BlueTune™ Audio	Optional*
AquaForce™ Trainer AF	Optional
EverPure2™ Treatment System	Optional

Splash series

ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	6.0 HP
Fitness Pump	2	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	ProView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.
All specifications are accurate at time of print. Manufacturer reserves the option to change product without prior notice. Dimensions are approximate.

GENERAL **rev. 2026/05**

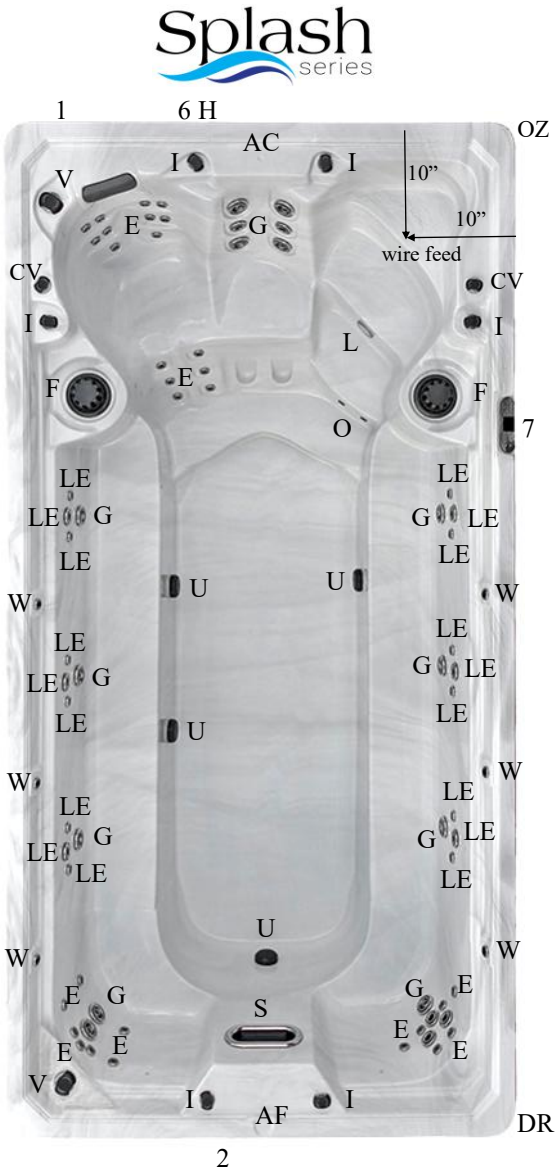
Seating Capacity	10seats, fitness area
Shell Material	Acrylic
Fitness Length	109” (277 cm.)
Dimensions (Domestic)	180” x 92” x 50”
Dimensions (Export)	366cm. x 234 cm. x 127cm.
Water Capacity	1,465 gallons (5,545 liters)
Dry Weight	1,525 lbs. (692 kg.)
Skirt Material	Permawood™
Water Flow	460 GPM

WATER SYSTEM** (photo ref.)

EverPure™ Treatment System	OZ	1
Pristine™ Filter	F	2
Slide Valves		4
Elite Pro™ Jet	S	1
Euro Jet w/ Eyeball	E	31
Mega’ssage™ Jet	G	13
Large Euro Jet	LE	23
Ozone Jet	O	2
Diverter Valves	V	2
Safety Suction	U	4
Air Control	I	6
MotionGlow™ Light	L	1
Lighted Water Spouts	W	6
Water Spout Control	CV	2
Drain Valve	DR	1

SPECIAL FEATURES

Spa Pillows		1
Highlights™ LED lighting		Standard
Stainless Steel Jetting		Standard
Oasis™ LED lighting		Optional
Eclipse™ LED cabinet lighting		Optional
BlueTune™ Audio		Optional*
AquaForce™ Trainer	AF	Optional
AquaCross™ Trainer	AC	Optional
EverPure2™ Treatment System		Optional



ELECTRICAL SYSTEM (Requires One 50 amp 120/240V Circuit with GFCI Protection.)

Pump Information	Reference Number	Domestic (60Hz)
Spa Pump	1	6.0 HP
Fitness Pump	2	6.0 HP
Electronics		
Electrical Can	6	501X1
Voltage		240
Amperage		50
Heater	H	5.5 KW
Operation System		
Main Spa Side Control	7	ProView™ Control

** Not every jet is referenced. Each type of jet is noted for ease of identification. *Note location of audio components prior to install.

Swim Spa installation can be quick and simple if these guidelines are considered in planning the site. Please read the following information carefully. Proper planning will make the delivery and install more economical and efficient and the proper site selection will increase your year-round enjoyment.

Access from delivery point to final site: Consider the route from where the unit is delivered to the installation site. The steepness of grade, trees, shrubs, gates, roof overhangs, cables and overhead wires need consideration. Outside dimensions of your model choice can be used to determine clearance required for the move. Review outdoor and indoor installation suggestions prior to choosing your swim spa location.

It is common to have swim spas moved with the use of a crane onto the site of your choice. This is an easy solution to locate your new swim spa in what may be the most advantageous area of your home, although not accessible with the normal means.

Surface Requirements: Your swim spa should be placed on a level concrete pad designed to support 26,000 lbs.(11,793 kg.). Do not place the swim spa on a dirt surface or directly on the ground. Once you have a location selected, there are several issues you should consider in preparing the site for the swim spa installation.

A flat, level surface strong enough to support your swim spa is mandatory. Once your swim spa is filled, it has considerable weight. Make certain the location you choose can support a minimum of 200 lbs (91 kg) per square foot load, per recommended guidelines. A reinforced concrete slab should be at least four inches thick with the reinforcing mesh or rod attached to a bond wire. To check the level of this surface, spray a hose on the surface and check for puddles or run-off. Make the necessary corrections assuring levelness prior to placement of your new swim spa. Structural damage to the swim spa resulting from the incorrect installation of placement on inadequate foundation is not covered in the swim spa's limited warranty.

General Considerations:

Make sure your dimensions are correct as you prepare the site for your new swim spa. Click onto the web site (www.pdcspas.com) or call your retailer for dimensions of the model you have chosen. Allow a perimeter of the chosen ground surface to extend beyond the swim spa itself to provide a clean area for users to get in and out of the swim spa.

The swim spa location and the swim spa itself must be level before filling with water. Review Installing the Shim Guidelines included with your swim spa. Instructions are also found under the Installation section of this manual. This must be completed prior to filling your unit with water.

Allow adequate space to access the equipment behind the four access panels on the swim spa cabinet. Review the pages in this manual referencing swim spa model specifications for the location of the support equipment for the model you have chosen.

Leave ample access to the GFCI circuit breaker for testing and frequent access.

A quick disconnect (manual disconnect) or GFCI is to be installed between 5 - 15 ft. (1.5-4.6 m) of the spa and within the line of sight from the unit. Consider where this can be located when selecting and preparing the spa site. All wiring must comply with the U.S. National Electric Code. **ALL EQUIPMENT MUST BE GROUND FAULT CIRCUIT PROTECTED (NOT SUPPLIED) AT THE POWER SOURCE. ALL ELECTRICAL WIRING OF THE SWIM SPA SUPPORT EQUIPMENT MUST COMPLY WITH THE NATIONAL ELECTRIC CODE.**

Note location of electric source into the unit prior to positioning on surface.

THIS IS A PROFESSIONAL GRADE PRODUCT. A KNOWLEDGE OF CONSTRUCTION TECHNIQUES, PLUMBING AND ELECTRICAL INSTALLATION ACCORDING TO CODES ARE REQUIRED FOR PROPER INSTALLATION AND USER SATISFACTION. WE RECOMMEND THAT A LICENSED CONTRACTOR PERFORM THE INSTALLATION. OUR WARRANTY DOES NOT COVER IMPROPER INSTALLATION-RELATED PROBLEMS.

Important: All swim spa sides must be accessible for regular maintenance or in the event that service is required. General maintenance will require entry to equipment behind cabinet panels. It is recommended to allow 3 feet of access to all sides of the swim spa for routine and service maintenance. Your warranty does not include any cost associated with gaining access to equipment for servicing.

Indoor Installation Considerations

1. For spa/hot tubs installed indoors, care should be taken to ensure adequate ventilation for the indoor space, to avoid Undesired build of humidity due to spa water. For additional information on ventilation/humidity guidelines see the ASHRAE Handbook, HVAC Applications, I-P edition, 4.5, 4.6, and 4.7

2. Local electrical and plumbing codes.

3. Ventilation fans and/or dehumidifiers should be provided to handle the high humidity developed by your swim spa. Walls, ceiling and wood trim resistance to moisture and water should be of consideration.

4. Chemicals will vaporize from the water and may cause an odor and possibly corrosion to certain home hardware. Never store chemicals inside the swim spa cabinet or where they may come into contact with water.

5. During the normal use of the swim spa, water will escape the swim spa vessel. Never place the swim spa on or over any material which may be damaged by this water or the chemicals within the water. Keep damageable materials far enough away from the swim spa to avoid water damage, even if the spa should lose all its water.

6. Consider and prepare for the unlikely event of rapid swim spa drainage. If placement of the swim spa is permanent, you may wish to provide floor drains to accommodate draining, etc. Always leave space around the swim spa for easy access in case of repairs and maintenance, 3 ft. is suggested.

7. Consider and prepare for the unlikely event of swim spa removal.

8. Read 7-13 in the Outdoor Installation Considerations.

9. Do not set swim spa on finished floor without a waterproof barrier protection underneath.

10. The swim spa should have access to a power source capable of supplying 240 volts AC power. It must be wired directly into a grounded circuit with a Ground Fault Circuit Interrupter (G.F.C.I.) or equivalent RCD (not supplied), for export installs. No other appliances should be on the same circuit.

11. The swim spa should be close to a source of water.

12. Be sure the location you choose is stable. It must be able to support the weight of the swim spa when it is filled with water, plus the weight of the occupants. The swim spa may weigh up to 26,000 lbs (11,793 kg.) when it is filled with water. Contact a contractor or structural engineer to determine adequate support.

13. Do not use the swim spa above a finished living area, due to the risk of water damage.

14. The swim spa is not designed for in-floor installation. However, it is compatible with a deck system that is built flush with the top of the unit, provided adequate space for service is considered.

15. Be sure to note any other considerations, such as aesthetics or privacy concerns, that may affect the safety or enjoyment of using the swim spa.

Outdoor Installation Considerations:

1. Local electrical and plumbing codes.

2. Consider local codes pertaining to fencing, enclosures, walls, electrical and plumbing. You will need to ensure that your swim spa is an adequate distance from power lines, both aboveground and underground. Your swim spa will also need to be childproofed.

3. View from house for aesthetics and supervisory needs.

4. Distance from house for wintertime use.

5. Nighttime lighting.

6. Locate the swim spa with an awareness to sunlight exposure, views, access, property lines, lighting, wind direction, shielding, septic tanks, plants, trees. (Chemicals in the swim spa water splashed from your swim spa may damage nearby plant life.)

7. Consider any nearby reflective surfaces that may direct sunlight or heat onto the swim spa. Prolonged exposure to intensified heat from reflections can potentially affect certain components and is not covered under warranty.

8. Consider the location of the nearest bathroom or dressing room.

9. If your swim spa is to be located on a second story, be positive support is adequate. Call your builder and a structural engineer.

10. Area for placement of support equipment where adequate space will be needed to gain access to components for maintenance and general servicing.

11. Be sure to note any other considerations, such as aesthetics or privacy concerns, that may affect the safety or enjoyment of using the swim spa.

12. Provide adequate drainage away from the equipment and adequate elevation to allow draining by siphon, should it be required.

13. Location of electrical supply. 120/240 volt systems require hard wire installed from the electrical source to the swim spa support pack terminal. ALL EQUIPMENT MUST BE GROUND FAULT CIRCUIT PROTECTED (NOT SUPPLIED) AT THE POWER SOURCE. ALL ELECTRICAL WIRING OF THE SWIM SPA SUPPORT EQUIPMENT MUST COMPLY WITH THE NATIONAL ELECTRIC CODE.

14. Locations at least 5 ft (1.52 m) from all metal surfaces. (A swim spa may be installed within 5 feet of metal surfaces providing each metal surface is permanently connected by a No. 6AWG (8.4 mm2) copper conductor attached to the wire connector on the terminal box provided for this purpose.) ALL INSTALLATIONS MUST COMPLY WITH ARTICLE 680 OF THE U.S. NATIONAL ELECTRIC CODE AND ANSI/NFPA 70-1984.

Partially or Fully Recessed Installations:

PDC Spas does <u>not</u> recommend this type of installation, although if this is what you have chosen for your new swim spa, please review the following considerations.

1. A system for preventing collection and pooling of water must be designed in accordance to local authorities.

2. If installed in designated floodways, additional attention to maximum water load entering that floodway must be addressed to prevent water from accumulating below grade. The swim spa is not designed to be submerged in water and will void all warranties.

3. Unit must be level and self-supporting and NEVER backfilled with sand, gravel or dirt. This will void all warranties.

4. Plan for complete drainage.

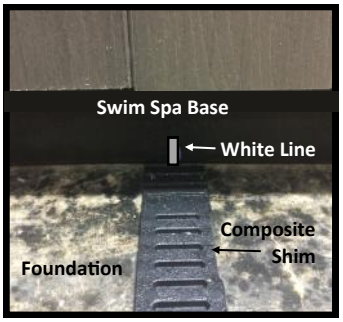
5. Must have proper ventilation so equipment does not overheat.

6. Must provide at least 3 feet of access around all sides of the swim spa. Warranty does not cover costs associated with gaining access for service and maintenance.

7. Below grade drainage needs to be evaluated based upon specific region rainfalls. This analysis must be done by a qualified local engineer to ensure proper drainage.

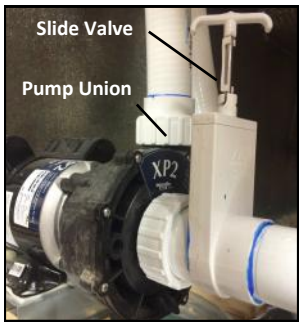
Once the swim spa is in its final location perform the following steps to begin the start-up procedure.

1. Locate white lines painted on the outside of the swim spa base. There are as few as 8 and as many as 14 depending on the model and series. Insert provided composite shim below the painted line, between the swim spa base and foundation. Push shim in by hand until it stops, then gently tap shim with hammer until it stops. Score shim with utility knife and break off flush with swim spa base. Photo top right.



2. Consult the specification sheet for your specific swim spa model to locate the electrical spa pack. Remove the cabinet panel exposing pack to complete electric connection.

3. Consult the specification sheet to locate all the pumps for your specific model, then remove appropriate cabinet panels. Be sure all pump and heater unions are secure. Each pump has 2 unions, the heater has 2 unions. The unions of a newly delivered swim spa may have loosened during transportation. While checking the unions also check the slide valves are in the up position and the lock is installed. Photo bottom right.



4. Inspect the swim spa for any dirt or particles that may have gotten on the surface after the plastic was removed from the swim spa. Wipe the swim spa with a soft damp sponge.

5. Ensure your water source is safe for hot tub use. Water may contain minerals that may cause stains or deposits. Water with high mineral count may discolor the water once a sanitizer is added.

6. Let the water run out of your garden hose for several minutes before filling the swim spa. This will flush out stagnant water in the line that may cause bacteria.

7. Begin filling the swim spa. We recommend filling the swim spa to the top line on side wall. During the filling process periodically check the unions to ensure they are tight and no water is leaking out. The dual zone models are separate zones each with their own pack, heater, control. Follow the connection, filling instructions for each zone.

8. Once the swim spa is filled turn the circuit breaker on. The spa will turn on and start the circulation pump.

9. It may be necessary to bleed air from the pump or pumps on your swim spa, if after start up your swim spa pumps do not operate. Due to the nature of water flow and hydrotherapy pumps, please be advised that air locking of pumps may occur. PDC Spas has taken measures to reduce the possibility of this, but it still may occur, especially after refilling a swim spa. This is not a service covered under warranty. To relieve an airlock situation, loosen the pump union on the discharge side of the pump. You may possibly hear air come out when union is loosened, after a few seconds tighten the union. Turn the pump on to see if proper jet flow has been achieved. If proper jet flow has not been achieved repeat process.

10. Open air regulators allowing maximum flow through jets assuring pump operation.

11. Refer to Control section for heating, filtration cycles and system operation.

12. Adjust water chemistry according to the instructions provided in water chemistry guidelines section.

13. View current water temp on the control panel and set to desired level. Water will heat approximately 1– 2 degrees an hour. Times may vary.

14. Adjust water chemistry according to the instructions provided in water chemistry guidelines section.
PLEASE BE AWARE THE USE OF BAQUA SPA or TRICHLOR WILL CAUSE DAMAGE TO HOT TUB COMPONENTS AND VOID WARRANTY

15. Remove the swim spa cover from the box and place it on the swim spa. Pull down one of the straps on the swim spa cover and hold latch against the cabinet side panel. To position the lock correctly, have a second person hold the strap tight on the opposite side of the swim spa cover. The swim spa cover must be tight. Do not place the latch over the grooves of the cabinet finish. Remove the latch from the lock, attach the lock to the cabinet side panel with three #4 screws provided. Attach the other locks to the cabinet in the same manner. To lock the cover in place, insert the key and turn it clockwise 1/4 turn. To unlock the latches, insert the key and turn it counterclockwise 1/4 turn. Always keep locked when not in use. Keep the keys in a safe place, out of the reach of children.

16. Always use an approved thermal swim spa cover when not in use, especially in outdoor installations where the swim spa is exposed to weather conditions and sun. Constant, prolonged exposure and use of unapproved or non-insulating covers can result in damage to the swim spa surface voiding the warranty.

Above photo shown with Cover Shelf, optional cover lifter. There are several choices available for cover lifters that can be installed by the homeowner. Be certain there is adequate support in the swim spa frame and screws are long enough to secure the lifter in the frame. Damage to the cabinet panels as a result of inferior lifter installation voids panel warranty.

ELECTRICAL REQUIREMENTS

HAVE YOUR ELECTRICIAN READ THE FOLLOWING INFORMATION BEFORE INSTALLATION BEGINS.

Electrical connections made improperly, or the use of wire gauge sizes for incurring power which are too small, may continually blow fuses in the electrical equipment support box, may damage the internal electrical controls and components, may be unsafe and in any case will void the swim fitness spa warranty.

It is the responsibility of the swim spa owner to ensure that electrical connections are made by a qualified electrician in accordance with the National Electrical Code and any local and state electrical codes in force at the time of installation.

IMPORTANT !!

ALL EQUIPMENT MODELS ARE 120/240 VOLT, 60 CYCLE FOR STATE-SIDE, U.S. INSTALLATIONS, AND 50 HZ FOR EXPORT, CE, INSTALLATIONS.

All swim spas must be permanently connected.

All swim spa support systems are multiple supply circuits.

All swim spa systems require the installation of a ground fault circuit interrupter (GFCI) protector or equivalent; (RCD, for export installs), at the power source (NOT SUPPLIED BY PDC SPAS) by a qualified electrician in accordance with all codes and regulations. EACH support system requires GFCI protection: dual zone models require one EACH for the fitness zone and one for the hot tub zone. Refer to typical GFCI installation photos and illustrations on the following pages.

Prior to each use, testing of the GFCI (or equivalent RCD) is required! Refer to the maintenance section of this manual for instructions

All swim spa support equipment must be bonded (grounded) to the pressure connector located within the control support box as well as the outside of the control support box. *(see wiring schematic below and references on following pages)*

Disconnect all electrical supplies and contact a qualified technician before servicing.

All swim spa installations are to be performed by a licensed electrician and in accordance with all local and national codes.

Swim Fitness Spa Wiring Schematic for Certified Electricians' Reference Only

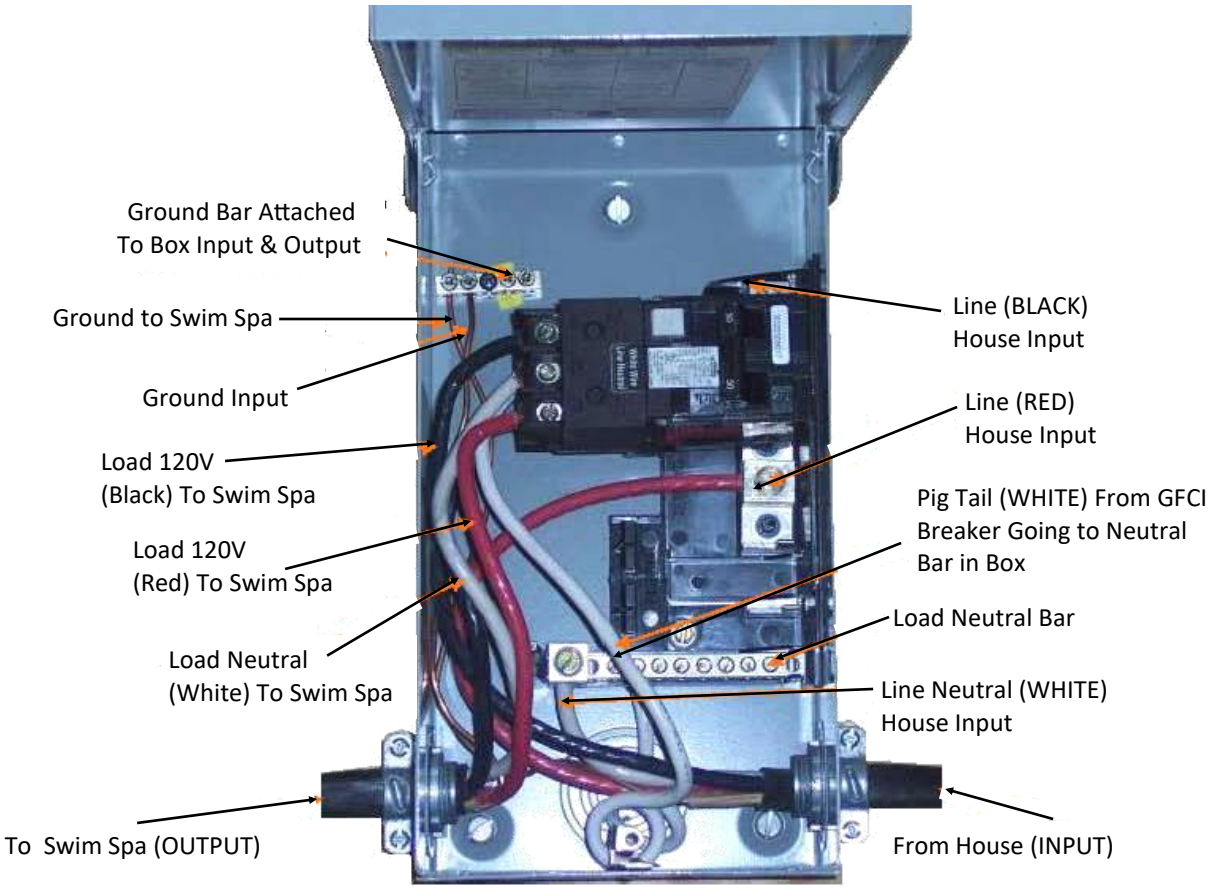
* National U.S. code recommends distance not to exceed 15 ft.. Dual Zone models require 2 separate GFCI set ups..

ATTENTION ELECTRICIAN:

All PDC Swim Spa Units must be installed with an approved G.F.C.I. in accordance with all applicable codes. Installation of G.F.C.I. varies among those manufacturers. Follow each manufacturer's guidelines to ensure proper operation and protection of swim spa occupants. This diagram is a "Typical" installation to be used only as a reference for the installing electrician. PDC does not supply the GFCI breaker.
It is recommended to NOT install an Eaton-Cutler Hammer brand.

IMPORTANT: 6 Gauge Copper Wire MUST Be Used
Test GFCI Monthly and Prior to Each Use.

Typical Installation Breaker Box
Class A 50 amp, 120/240 volt, GFCI



TO BE NOTED: Installation of this GFCI Circuit Breaker, including ampere sizing and choice of wire must be made by a qualified electrician, in accordance with the National Electrical Code, and all applicable federal, state and local codes and regulations in effect at the time of installation.

TO BE NOTED: The white neutral wire from the back of the GFCI Circuit Breaker MUST be connected to an incoming Line Neutral. The internal mechanism of the GFCI requires this Neutral connection for proper GFCI function.

FOR QUALIFIED ELECTRICIAN REFERENCE ONLY!

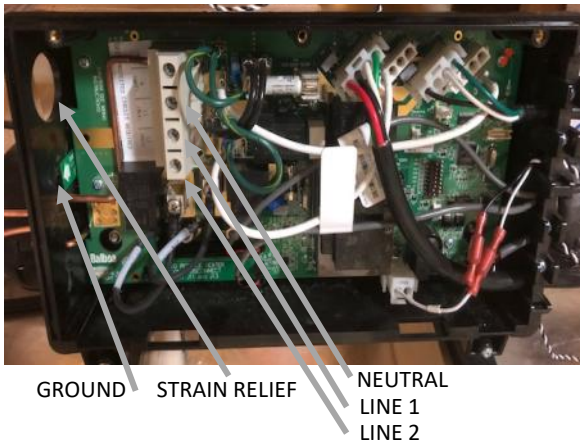
All installations and connections are to be performed by a qualified, licensed electrician only and in accordance with the National electric code and all applicable local regulations. Ensure power is turned off prior to making any electrical connections.

ATTENTION ELECTRICIAN:

Each Swim Spa support system must be installed with a Class A 50 Amp Ground Fault Circuit Interrupter (not supplied) in accordance with the National Electric Code and all applicable local codes. All dual zone models require two GFCI protection devices: one for the fitness zone and one for the hot tub zone. Installation of GFCI varies among those manufacturers. Follow each manufacturer's guidelines to ensure proper operation and protection of swim spa occupants.

IMPORTANT: 6 Gauge Copper Wire MUST Be Used
Test GFCI Monthly and Prior to Each Use.

Balboa Pack for all Series and Models



Connecting Power to Swim Spa Pack (QUALIFIED ELECTRICIAN ONLY)

- Confirm the circuit being used for swim spa power is GFCI protected either at main panel box or at disconnect.
- Verify that power is off to outside disconnect / GFCI.
- Deterrmine how wire is to enter swim spa cabinet.
- Route wire into swim spa cabinet over to spa pack.
- Remove spa pack cover.
- Install appropriate strain relief into spa pack. (see photo above)
- Insert wire through strain relief, removing wire sheath as needed depending on wire type.
- Strip insulation from wire and insert wire into correct terminal on terminal block. (see photo above)
- Replace spa pack cover.
- Refer to start up procedure in manual before turning power on.

Repeat procedure for each support system in dual zone models; one for fitness zone and one for hot tub zone.

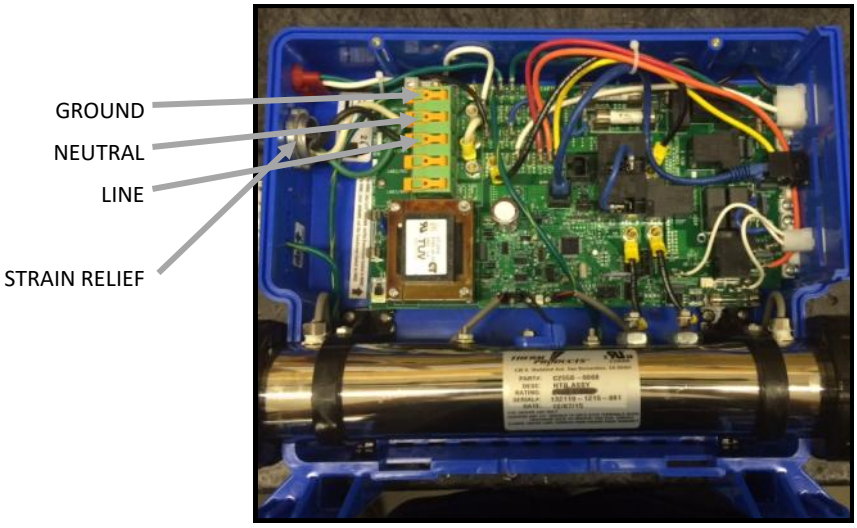
FOR QUALIFIED ELECTRICIAN REFERENCE ONLY!

All installations and connections are to be performed by a qualified, licensed electrician only and in accordance with the National electric code and all applicable local regulations. Ensure power is turned off prior to making any electrical connections.

ATTENTION ELECTRICIAN:

Each swim spa support pack (dual zone models require two: one for fitness zone and one for hot tub zone) must be installed with a Residual Current Device, RCD, (not supplied) Having a rated operating residual current not seceding 30 mA in accordance with all applicable local codes. Installation of RCD varies among those manufacturers. Follow each manufacturer's guidelines to ensure proper operation and protection of swim spa occupants.

IMPORTANT: 10 Gauge (2.59mm) Copper Wire MUST Be Used
Test RCD Monthly and Prior to Each Use.



Connecting Power to Swim Spa Pack (QUALIFIED ELECTRICIAN ONLY)

- Confirm the circuit being used for swim spa power is RCD protected either at main panel box or at disconnect.
- Verify that power is off to outside disconnect / RCD.
- Determine how wire is to enter swim spa cabinet.
- Route wire into swim spa cabinet over to spa pack.
- Remove spa pack cover.
- Install appropriate strain relief into spa pack. (see photo above)
- Insert wire through strain relief, removing wire sheath as needed depending on wire type.
- Strip insulation from wire and insert wire into correct terminal on terminal block. (see photo above)
- Replace spa pack cover.
- Refer to start up procedure in manual before turning power on.

Repeat procedure for each support system in dual zone models; one for fitness zone and one for hot tub zone.

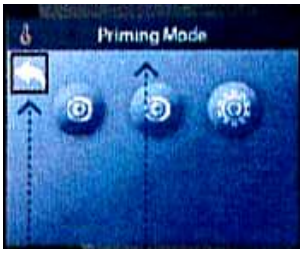
WARNING: READ ALL INSTRUCTIONS BEFORE USING THE SPA. PDC Spas, PDC International assumes no responsibility for personal injury or property damage sustained by or through the use of this product. When installing and using this equipment basic safety precautions should always be taken to reduce risk of electrical shock, ensure safe usage, and safeguard the user's health.

Preparation and Filling

Fill the spa to its correct operating level. Be sure to open all valves and jets in the plumbing system before filling to allow as much air as possible to escape from the plumbing and the control system during the filling process.

After turning the power on at the main power panel, the top-side panel will display a startup screen.

Priming Mode



After the initial start-up sequence, the control will enter Priming Mode and display a Priming Mode screen. Only pump icons appear on the priming mode screen. During the priming mode, the heater is disabled to allow the priming process to be completed without the possibility of energizing the heater under low-flow or no-flow conditions. Nothing comes on automatically, but the pump(s) can be energized by selecting the "Jet" buttons. Manually exit Priming Mode by pressing the "Exit" Button.

Priming the Pumps

As soon as the Priming Mode screen appears on the panel, select the "Jets 1" button once to start Pump 1 in low-speed and then again to switch to high-speed. Also, select the other pumps, to turn them on. The pumps should be running in high-speed to facilitate priming. If the pumps have not primed after 2 minutes, and water is not flowing from the jets in the spa, do not allow the pumps to continue to run. Turn off the pumps and repeat the process. Note: Turning the power off and back on again will initiate a new pump priming session. Sometimes momentarily turning the pump off and on will help it to prime. Do not do this more than 5 times. If the pump(s) will not prime, shut off the power to the spa and call for service.

Important: A pump should not be allowed to run without priming for more than 2 minutes. Under NO circumstances should a pump be allowed to run without priming beyond the end of the 4-5 minute priming mode. Doing so may cause damage to the pump and cause the system to energize the heater and go into an overheat condition.

Exiting Priming Mode

You can manually exit Priming Mode by navigating to the "Back" button on the Priming Mode Screen. Note that if you do not manually exit the priming mode as described above, the priming mode will be automatically terminated after 4-5 minutes. Be sure that the pump(s) have been primed by this time.

Once the system has exited Priming Mode, the top-side panel will display the Main Screen, but the display will not show the temperature yet, as shown below. This is because the system requires approximately 1 minute of water flowing through the heater to determine the water temperature and display it.

– – –°F – – –°C

Synergy™ Series Swim Spa

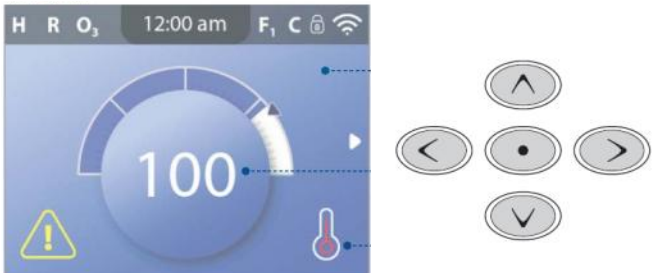
Pumps

On the Spa Screen, select a "Jets" button once to turn the pump on or off, and to shift between low- and high-speeds if equipped. If left running, the pump will turn off after a time-out period. The pump 1 low-speed will time out after 30 minutes. The high-speed will time-out after 15 minutes.

Main Functions

Spa Status

Important information about spa operation can be seen quickly from the Main Screen.



The most important features, including Set Temperature adjustment, can be accessed from this screen.

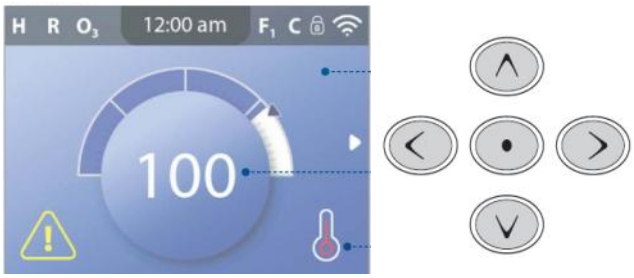
The actual water temperature can be seen in large text and the desired, or Set Temperature, can be selected and adjusted. Time-of-day, Ozone operation and Filter Operation status is available, along with other messages and alerts. High Temperature Range vs. Low Temperature Range is indicated in the upper right corner.

A Lock icon is visible if the panel or settings are locked.

Navigation

Navigating the entire menu structure is done with the 5 buttons on the control panel.

The right navigation arrow on the screen indicates a menu. Press the right navigation button to enter the menu. A selection box will then appear in the center of the screen. Press the left or right navigation button to view different choices. Press the center Select button once on the desired choice.



Messages: At the bottom of the screen, messages may appear at various times. Some messages must be dismissed by the user.

All Equipment Access: The Spa Screen shows all available equipment to control. The display shows icons that are related to the equipment installed on a particular spa model, so this screen may change depending on the installation.

The navigation buttons are used to select an individual device. The device that is chosen will have a box around it and will be shown at the top of the screen. Once a device is selected, it can be controlled using the center Select Button.

Some devices, like pumps, may have more than one ON state, so the icon will change to reflect the state that the equipment is in.

Programming, Etc.

The Settings Screen is where all programming and other spa behaviors are controlled.

This screen has several features that can be acted on directly. These features include Temp Range, Heat Mode, and Invert Panel. When one of these items is highlighted, the Select Button is used to toggle between two settings.

All other menu items (with an arrow pointing to the right) go to another level in the menu.

Dual Temperature Ranges (High vs. Low)

This system incorporates two temperature range settings with independent set temperatures. The specific range can be selected on the Settings screen and is visible on the Main Screen in the upper right corner of the display.

These ranges can be used for various reasons, with a common use being a "ready to use" setting vs. a "vacation" setting. Each range maintains its own set temperature as programmed by the user. This way, when a range is chosen, the spa will heat to the set temperature associated with that range.

High Range can be set between 80°F and 104°F.

Low Range can be set between 50°F and 99°F.

Heat Mode – Ready vs. Rest

In order for the spa to heat, a pump needs to circulate water through the heater. The pump that performs this function is known as the "heater pump."

The heater pump will be a 2-speed pump (Pump 1).

READY Mode will circulate water every 1/2 hour, using Pump 1 Low, in order to maintain a constant water temperature, heat as needed, and refresh the temperature display. This is known as "polling."

REST Mode will only allow heating during programmed filter cycles. Since polling does not occur, the temperature display may not show a current temperature until the heater pump has been running for a minute or two.

While Pump 1 High can be turned on and off, Pump 1 Low will run until set temperature is reached, or 1 hour has passed.

Ready-in-Rest Mode

READY/REST appears in the display if the spa is in Rest Mode and the Jets 1 Button is pressed. It is assumed that the spa is being used and will heat to set temperature. While Pump 1 High can be turned on and off, Pump 1 Low will run until set

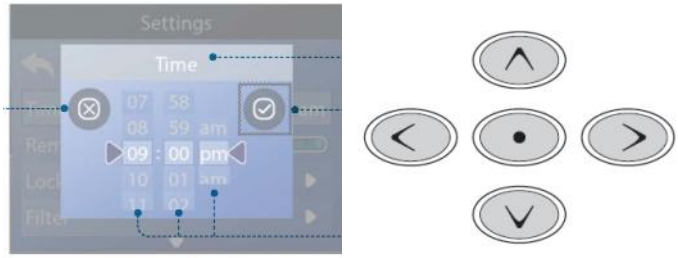
temperature is reached, or 1 hour has passed. After 1 hour, the System will revert to Rest Mode. This mode can also be reset by entering the Settings Menu and changing the Heat Mode.

Time-of-Day

Setting the time-of-day is important for determining filtration times and other background features. "Set Time" will appear on the display if no time-of-day is set in the memory.

On the Settings Screen, select the Time. On the Time screen, simply navigate right and left to select the Hour, Minutes, AM/PM. Use the Up and Down Buttons to make changes.

When changes are made, the icon to go "Back" changes to "Save" and a new icon for "Cancel" appears under the Save icon. Navigating to the right will highlight the Save icon, and navigating left will allow the user to cancel the pending change. Pressing the "Select" button will save or cancel the changes and go back to the previous screen.



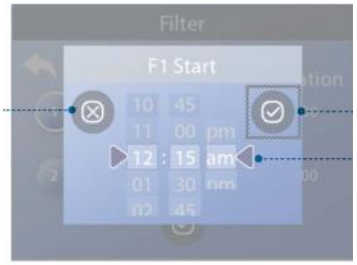
NOTE: If power is interrupted to the system, Time-of-Day will be maintained for several days.

Adjusting

Main Filtration

Using the same navigation and adjustment as Setting the Time, Filter Cycles are set using a start time and a duration. Each setting can be adjusted in 15-minute increments. The panel calculates the end time and displays it automatically.

Filtration and Ozone



Pump 1 low and the ozone generator will run during filtration.

The system is factory-programmed with one filter cycle that will run in the evening (assuming the time-of-day is properly set) when energy rates are often lower. The filter time and duration are programmable.
A second filter cycle can be enabled as needed.

At the start of each filter cycle, the water will run briefly to purge the plumbing to maintain good water quality.

Filter Cycle 2 - Optional Filtration

Follow the same process to change the other filter time settings, if desired.

It is possible to overlap Filter Cycle 1 and Filter Cycle 2, which will shorten overall filtration by the overlap amount.

Clean-up Cycle (optional)

When a pump is turned on by a button press, a clean-up cycle begins 30 minutes after the pump is turned off or times out. The pump and the ozone generator will run for 30 minutes or more, depending on the system.

Purge Cycles

In order to maintain sanitary conditions, as well as protect against freezing, secondary water devices will purge water from their respective plumbing by running briefly at the beginning of each filter cycle.

If the Filter Cycle 1 duration is set for 24 hours, enabling Filter Cycle 2 will initiate a purge when Filter Cycle 2 is to begin.

Invert Panel

Selecting Invert Panel will flip the display and the buttons so the panel can be easily operated from inside or outside the hot tub.

Restricting Operation

The control can be restricted to prevent unwanted use or temperature adjustments. Locking the Panel prevents the controller from being used, but all automatic functions are still active. Locking the Settings allows Jets and other features to be used, but the Set Temperature and other programmed settings cannot be adjusted. Settings Lock allows access to a reduced selection of menu items. These include Set Temperature, Invert, Lock, Utilities, Information and Fault Log. They can be seen, not changed or edited.

Locking & Unlocking

1) Navigate to Locks.
2) Press the select navigation button to view lock screen.
3) Navigate to either Settings or Panel.
4) Press and hold the Select button for 5 seconds.
5) Follow the same steps to Unlock.

Additional Settings

Reminders

Helpful Maintenance messages that may appear periodically.

Hold: Used to display the pumps during service functions like cleaning or replacing the filter. Hold mode will last for 1 hour unless exited manually. If the spa service will require more than 1 hour, it is best to shot power off to spa.

Units: Specify time and temperature units.

Panels: Set how long it takes the panel to go to sleep after the last activity. Default is 30 minutes.

Turn on/off the panel lights.

Control the brightness of both the panel lights and the panel display together.

Cleanup: Cleanup Cycle Duration is not always enabled, so it may not appear. When it is available, set the length of time Pump 1 will run after each use. 0-4 hours are available.

Color: Pressing the Select Button when Color is highlighted will cycle through 5 background colors available in the control.

Language: Select language.

Freeze Protection

If the temperature sensors within the heater detect a low enough temperature, then the water devices automatically activate to provide freeze protection. The water devices will run either continuously or periodically depending on conditions.

GFCI Test

The Ground Fault Circuit Interrupter (GFCI) or Residual Current Detector (RCD) is an important safety device and is required equipment on a hot tub installation.

CE registered systems do not have an RCD Test Feature due to the nature of the electrical service. The end-user must be trained how to properly test and reset the RCD.

It is mandatory to verify proper installation and function of the GFCI or RCD. Users / owners are to manually test this safety device prior to each use. Should the device not function properly, shut the hot tub off at the breaker and contact service tech.

Panel Messages

Most messages and alerts will appear at the bottom of the normally used screens. Several alerts and messages may be displayed in a sequence. Some messages can be reset from the panel. Messages that can be reset will appear with a “right arrow” at the end of the message. This message can be selected by navigating to it by pressing the Select button.

Possible freezing condition

A potential freeze condition has been detected, or the Aux Freeze Switch has closed. All water devices are activated. In some cases, pumps may turn on and off and the heater may operate during Freeze Protection. This is an operational message, not an error indication.

The water is too hot – M029

The system has detected a spa water temp of 110°F (43.3°C) or more, and spa functions are disabled. System will auto reset when the spa water temp is below 108°F (42.2°C). Check for extended pump operation or high ambient temp.

Heater-Related

The water flow is low – M016

There may not be enough water flow through the heater to carry the heat away from the heating element. Heater start up will begin again after about 1 min. See “Flow Related Checks” below.

The water flow has failed* – M017

There is not enough water flow through the heater to carry the heat away from the heating element and the heater has been disabled. See “Flow Related Checks” below. After the problem has been resolved, you must press any button to reset and begin heater start up.

The heater may be dry* – M028

Possible dry heater, or not enough water in the heater to start it. The spa is shut down for 15 min. Press any button to reset the heater start-up. See “Flow Related Checks” below.

The heater is dry* – M027

There is not enough water in the heater to start it. The spa is shut down. After the problem has been resolved, you must clear the message to restart heater start up. See “Flow Related Checks” below.

The heater is too hot* – M030

One of the water temp sensors has detected 118°f (47.8°C) in the heater and the spa is shut down. You must clear the message when water is below 108°f (42.2°C). See “Flow Related Checks” below.

Flow-Related Checks

Check for low water level, suction flow restrictions, closed valves, trapped air, too many closed jets and pump prime. On some systems, even when spa is shut down by an error condition, some equipment may occasionally turn on to continue monitoring temperature or if freeze protection is needed.

Sensor-Related

Sensors are out of sync – M015

The temperature sensors MAY be out of sync by 2°F or 3°F. Call for Service.

Sensors are out of sync -- Call for service* – M026

The temperature sensors ARE out of sync. The fault above has been established for at least 1 hour. Call for service.

Sensor A Fault, Senor B Fault – Sensor A: M031, Sensor B: M032

A temperature sensor or sensor circuit has failed. Call for Service.

Miscellaneous Messages

Communications error

The control panel is not receiving communication from the System. Call for Service.

System-Related

Program memory failure* – M022

At Power-Up, the system has failed the Program Checksum Test. This indicates a problem with the firmware (operation program) and requires a service call.

The settings have been reset (Persistent Memory Error)*** – M021**

Contact your dealer or service organization if this message appears on more than one power-up.

The clock has failed* – M020

Contact your dealer or service organization.

Configuration error (Spa will not Start Up)

Contact your dealer or service organization.

The GFCI test failed (System Could Not Test the GFCI) **– M036**

(North America Only) May indicate an unsafe installation. Contact your dealer or service organization.

A pump may be stuck on – M034

Water may be overheated. POWER DOWN THE SPA. DO NOT ENTER THE WATER. Contact your dealer or service organization.

Hot fault – M035

A Pump Appears to have been Stuck ON when spa was last powered. POWER DOWN THE SPA. DO NOT ENTER THE WATER. Contact your dealer or service organization.

Reminders

General maintenance helps.

Reminder Messages can be suppressed by using the Preferences Menu.

Clean the filter

May appear on a regular schedule, i.e. every 30 days. Clean the filter media as instructed by the manufacturer.

Test the GFCI (or RCD)

May appear on a regular schedule, i.e. every 30 days.

The GFCI or RCD is an important safety device and must be tested on a regular basis to verify its reliability. Every user should be trained to safely test the GFCI or RCD associated with the hot tub installation. A GFCI or RCD (European) will have a TEST and RESET button on it that allows a user to verify proper function.

Change the water

May appear on a regular schedule, i.e. every 90 days. Change the water in the spa on regular basis to maintain proper chemical balance and sanitary conditions.

Change the filter

May appear on a regular schedule, i.e. every 30 days. Filters should be replaced regularly to maintain proper spa function and sanitary conditions.

WARNING:

READ ALL INSTRUCTIONS BEFORE USING THE SPA. PDC Spas, PDC International assumes no responsibility for personal injury or property damage sustained by or through the use of this product. When installing and using this equipment basic safety precautions should always be taken to reduce risk of electrical shock, ensure safe usage, and safeguard the user's health.

YOUR SMARTVIEW™

TOUCH TO START

Your SmartView™ display by touching anywhere on the screen. Use your fingertip to touch, scroll, slide or swipe to activate the various icons and images on the panel screen.

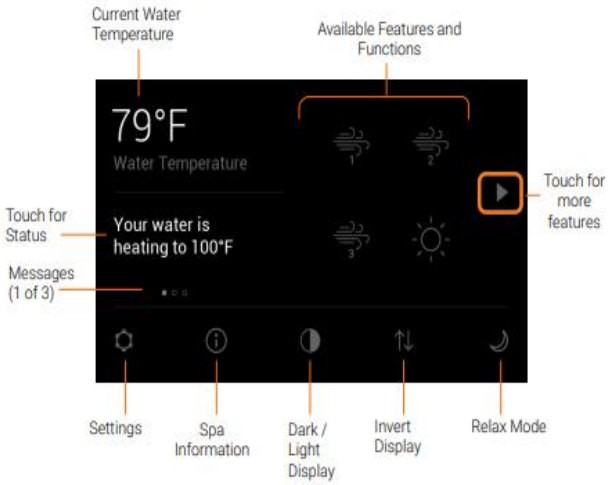
NOTE: Features and functions available are shown here. Your system display may vary.

To "Wake Up" SmartView™:

1 Touch the SmartView™ Screen in Sleep Mode. The **Splash Screen** displays, and then the **Home Screen** displays.

NAVIGATING HOME

The SmartView™ **Home Screen** is your central connection to all your spa offers.

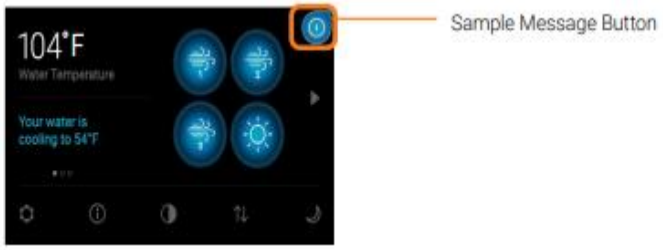


2 Touch the arrows ◄ ► to advance through your connected spa selections and the **Home Screen**. The bottom row of functions are accessible when displayed for quick access.

REMINDERS, WARNINGS, ERRORS

NOTE: Features and functions available are shown here. Your system display may vary.

Interactive messages display to alert you of status and changing conditions that affect your spa's maintenance or performance.



Your SmartView™ (continued)

MESSAGE BUTTONS

Button	What it means	Example Messages
	Informational and instructive messages.	**Clean the filter**
	Alert to possible damage to product or property if you fail to comply with the cautionary statements that accompany it.	**The pH is high** **Program memory failure**
	Warning, whether mechanical or system related, which may affect operation and requires immediate attention.	**Insufficient water flow detected 3 times while attempting to heat. Service needed.**

Message Display Samples

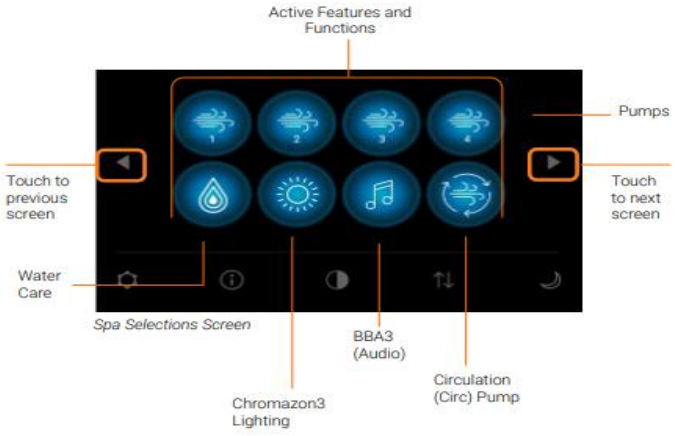
Each message describes the purpose and steps to take, depending on the spa environment.

NOTE: iMessages are interactive and when touched display ⓘ more details.

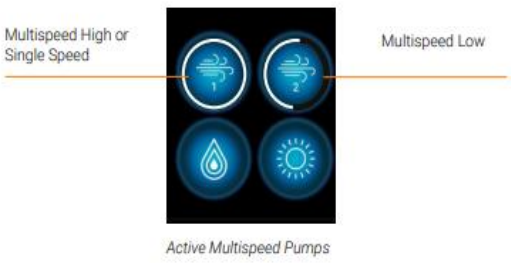
FEATURES AND FUNCTIONALITY

NOTE: Features and functions available are shown here. Your system display may vary.

Touch your available features repeatedly to activate on and off.



Where available, spa systems using multispeed pumps display these active indicators as you touch repeatedly.

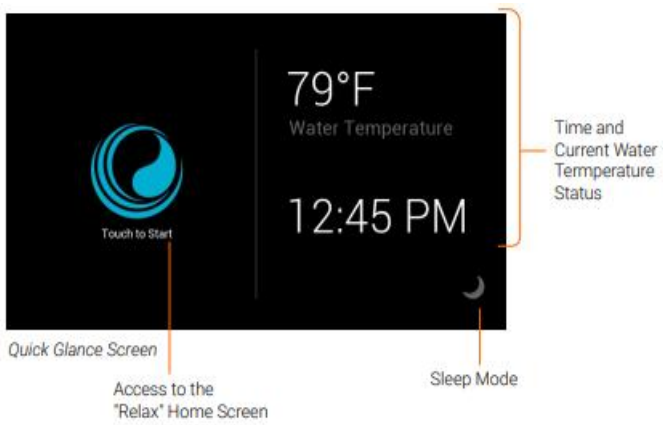


Your SmartView™ (continued)

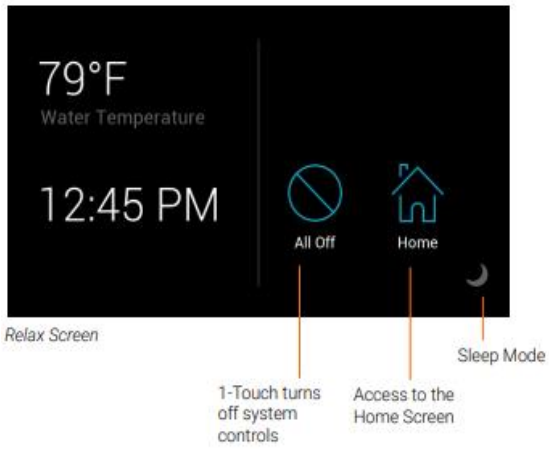
QUICK GLANCE SCREENS

NOTE: Features and functions available are shown here. Your system display may vary.

1 The **Quick Glance Screen** displays a simple time and current water temperature status.



2 The **Relax Screen** displays, which also occurs after no screen interaction for an extended period of time.



All Off* - 1-touch control that turns off all currently active functionality, including the heater and pump, lights and music, where available. To restart, touch **Home** to access the **Spa Selection Screen** and touch features and functions on.

* Circulation pump (Circ pump) remains on where available.

PREPARE YOUR SPA

NOTE: Features and functions available are shown here. Your system settings display may vary.

BEFORE YOU SOAK

IMPORTANT: Your spa requires essential settings to provide optimal performance.

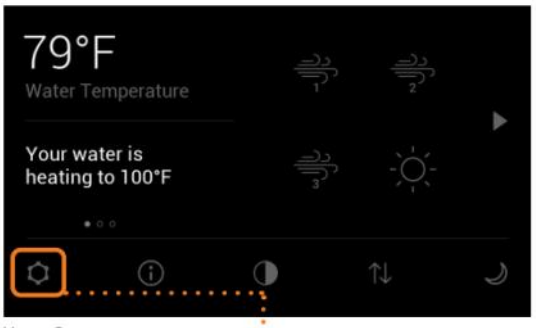
Follow these steps to prepare your spa for first use:

1. *Prime The Pump*
2. *Connect Your SmartView™*
3. *Update Software*
4. *Set The Time*
5. *Set Filter Cycles*
6. *Adjust Water Temperature*
7. *Turn On The Jets*

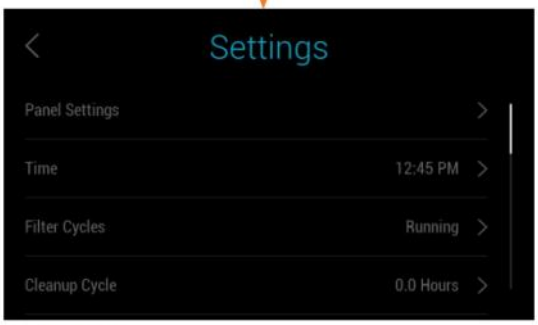
Find all settings from the Home Screen > Settings

PREPARE YOUR SPA (continued)

Find all settings from the **Home Screen** > **Settings**



Home Screen



Settings Menu Screen

After you complete these essential settings, customize your preferences to suit your schedule, and have your spa ready and waiting for your enjoyment.

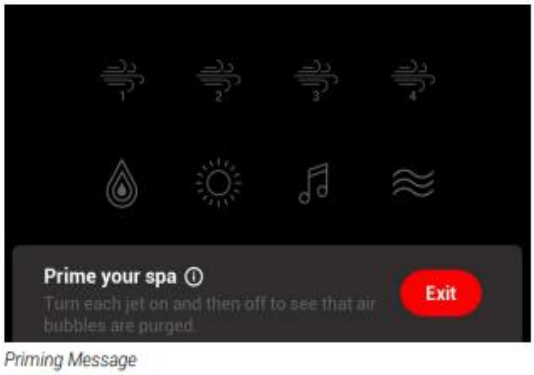
PRIME THE PUMP

Priming is a 4-minute window of time that occurs after initially powering up at installation or an outage, and is used to help clear waterflow of trapped air or possible obstructions that can strain the system.
NOTE: Features and functions available are shown here. Your system settings display may vary.

To Prime The Pump:

1 After the SmartView™ powers up, watch for the prompt, "Prime your spa."
The message to prime you spa displays.

T



Priming Message

2 Touch each jet on and then off to see that air bubbles are purged and water flows smoothly.
The jets start up and clear air bubbles from the pipes.
NOTE: During priming, you can also touch other water features lit on the panel.

After priming, the spa screen displays active features on your panel controls.

CONNECT YOUR SMARTVIEW™

IMPORTANT: Connecting your SmartView™ to your Wi-Fi delivers timely updates your system needs for ongoing improvements.

BEFORE YOU BEGIN: Have your Wi-Fi network and password available.

CONNECT WI-FI

To connect to Wi-Fi:

1 From Home, touch **Settings** and then scroll and touch **Wi-Fi**. The **Wi-Fi Screen** displays "Not Connected" with available networks.

Settings Menu

2 Scroll and touch your Wi-Fi network to connect your spa panel.

Wi-Fi Screen

A keyboard displays for you to type your network password.

Enter Password Screen

3 Enter your network password and touch **Save.** "Attempting to connect" displays, and upon connection, the **Wi-Fi Screen** displays with your newly selected network.

4 Touch **Back** < to return to the Settings Menu.

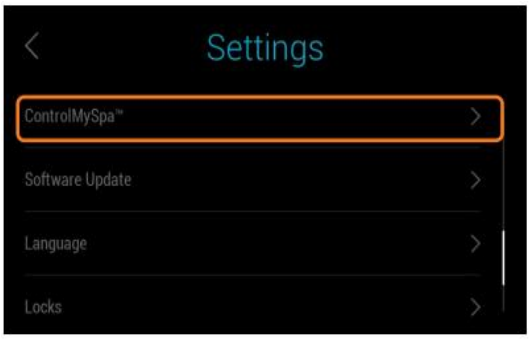
CONNECT YOUR SMARTVIEW™ (continued)

REGISTER YOUR SMARTVIEW™

NOTE: This step is needed to establish your ControlMySpa (CMS) account, and give you access to use the CMS App from your mobile device. You will need your 8-digit CMS Code from your spa dealer.

To Register Your SmartView™:

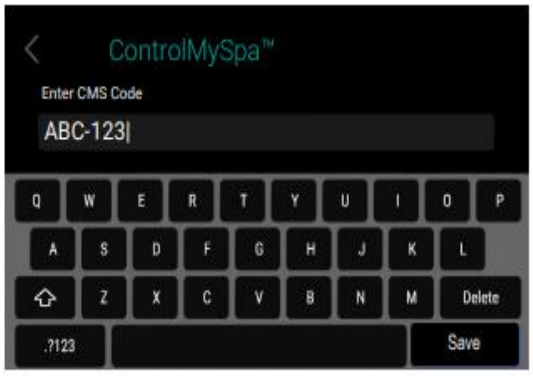
5 From the Settings Menu, touch **ControlMySpa.**



Settings Menu

The **ControlMySpa Screen** displays.

6 Touch the **Edit** icon and the ControlMySpa keyboard displays.



7 Enter the CMS Code supplied by your spa dealer, and then touch **Save.**

The **ControlMySpa Screen** displays a QR code you will use to pair your spa when you establish your **ControlMySpa** App account.

Leave the **ControlMySpa Screen** open on your panel to complete **Spa Account Setup**.

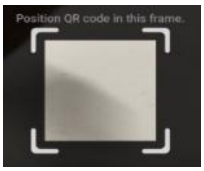
CONNECT YOUR SMARTVIEW™ (continued)

Create A Control My Spa Account

8 Using your mobile phone, go to your App store, and download **ControlMySpa.** (Works with iPhone models 8+ and up.)

9 Follow the in-app prompts to set up an account, and then **Setup Spa.** Be sure to set up your spa account "by QR code".

10 Use your phone's camera to scan the QR code displayed on the SmartView™ panel, and complete **Spa Account Setup.**



11 **IMPORTANT:** When you see "Account Setup Successful" on your mobile device, check your email to authenticate your account and complete this step.

UPDATE SOFTWARE

IMPORTANT: Be sure to update software for your SmartView™, and keep your system current.

To Check For Software Updates:

1 From Home, touch **Settings** then **Software Update.**

Settings Menu

The **Software Update Screen** displays.

2 Touch **Update.**

Settings Menu

The Status displays "Getting Updates", "Downloading", "Installing", and "Current" when the update is complete.

Software Update Screen

SET THE TIME

The time you set displays on the **Quick Glance** and **Relax Screens**, and becomes your system's time, used to automate the duration of other functions, such as filter cycles, activation and water maintenance for reliable performance.
IMPORTANT: A message button displays when the time needs to be set, and turns off after you set the time.

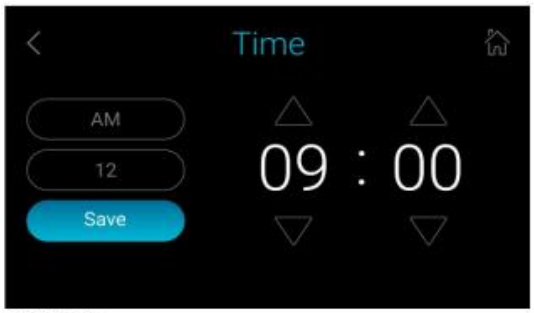
To Set The Time:

1 From the **Home Screen**, touch **Settings** then **Time**.

Settings Menu

The **Time Screen** displays.

2 Touch buttons and arrows to the current time and **Save**. The new time is saved in the system.



Time Screen

SET FILTER CYCLES

Daily filtration assures your spa is operating as designed.

To Set The Filter Cycle Times:

1 From the **Home Screen**, touch **Settings** then **Filter Cycles.**

Filter Cycles

The **Filter Cycles Screen** displays the number of cycles you can schedule.

2 Touch **Filter Cycle 1**.

Filter Cycles

SET FILTER CYCLES (continued)

To Set The Filter Cycle Times (continued):

3 Touch **Start** and touch arrows to set the filter cycle starting time.
Your desired filter cycle duration adjusts as you make changes.

4 Touch **End** and touch arrows to set the filter cycle ending time.
Your desired filter cycle duration adjusts as you change it .

5 Touch **Save**.
The **Filter Cycles Screen** displays.

6

7 Touch **Back <** to return to the **Home Screen**.

SET CLEANUP CYCLE

Adjust your cleanup cycle duration for the pump to run, and keep the water clean and ready to enjoy after each use.

To Set The Cleanup Cycle Times:

1 From the **Home Screen**, touch **Settings** then **Cleanup Cycle.**

The **Cleanup Cycle Screen** displays the duration of time the pump will run after use.

Cleanup Cycle

2 Touch the arrows to adjust to the desired duration up to 4 hours.

3 Touch **Save.**
The new cleanup cycle duration is set.

4 Touch **Back <** to return to the **Home Screen.**

ADJUST WATER TEMPERATURE

Find your current water temperature displayed in large numbers on the Water Temperature reading of the **Home Screen.**

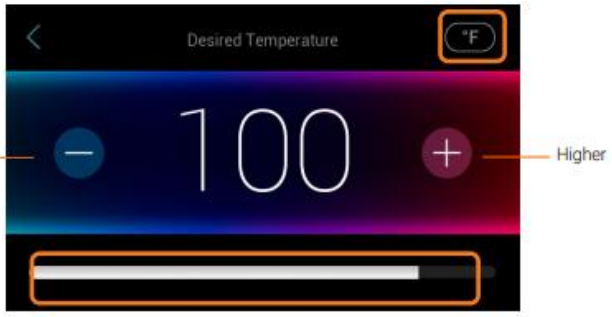
To Set The Desired Water Temperature:

1 From the **Home Screen,** touch the **Water Temperature** area of the screen.

Home Screen

ADJUST WATER TEMPERATURE (continued)

The **Desired Temperature Screen** displays.



Desired Temperature Screen

2 Touch the **plus** + and **minus** - signs or slide the bar along the bottom of the screen for your desired temperature.

3 Touch the unit of measure, upper right, to change between Fahrenheit (**°F**) or Celsius (**°C**) as the water temperature unit of measure. The system begins to adjust to the newly set temperature.

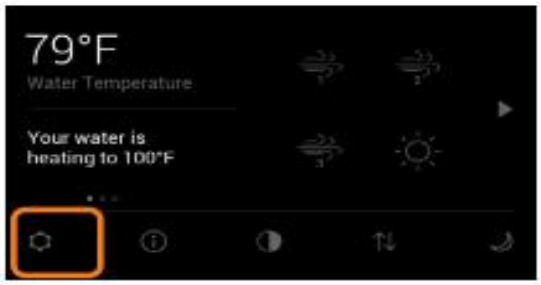
4 Touch **Back <** to return to the **Home Screen**.

START SPA HOLD

Use this setting for temporary servicing or maintenance. When started, it pauses all spa activities for 1 hour.

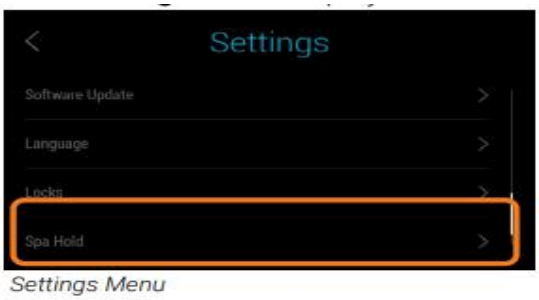
To Start Spa Hold:

1 From the **Home Screen**, touch **Settings** ⚙.



Home Screen

The **Settings Menu** displays.



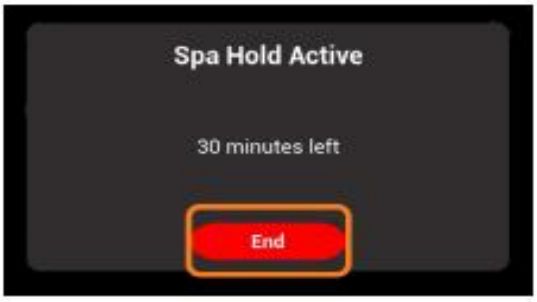
Settings Menu

2 Scroll and touch **Spa Hold.**
The **Spa Hold Screen** displays.

Start Hold

START SPA HOLD (continued)

3 Touch **Start Hold.**
The Spa pauses displaying the minutes remaining on hold.



Start Hold Active

4 You can end the hold by touching **Exit.**

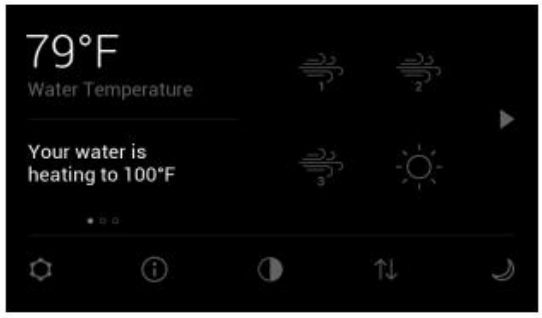
TURN ON THE JETS

NOTE: Features and functions available are shown here. Your system display may vary.
Turning on the jets provide the water pressure and motion for an enhanced, therapeutic soak.

To Turn On The Jets

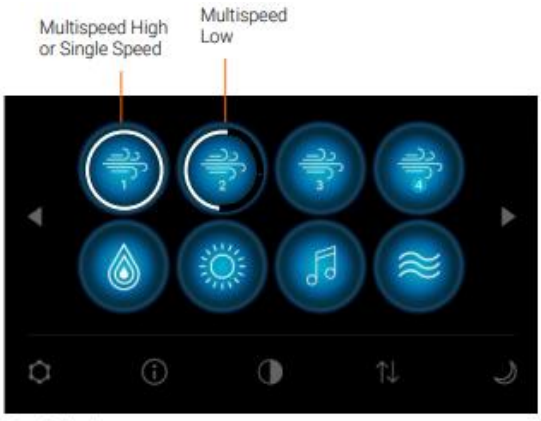
1 From the **Home Screen**, touch the available **Jet** to activate, and touch the arrow ▶ to see more features.

The spa features display with additional components connected to your system.



Home Screen

2 Touch on each jet for as many jets you want to activate, and the desired speed your system provides.



Spa Selections

3 Touch the **arrows** ◀▶ to display the **Home Screen**.

ADJUST SCREEN BRIGHTNESS

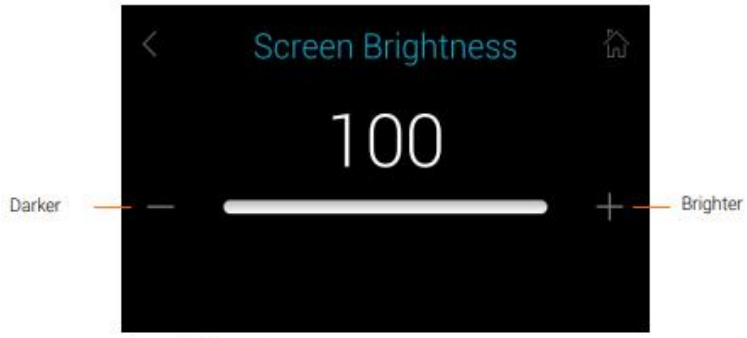
Adjust your panel display brightness.

To Change The Display Brightness:

1 From the **Home Screen**, **Settings** touch **Panel Settings**.

Panel Settings

The Screen Brightness Screen displays with the brightness slider along the screen bottom.



Screen Brightness

2 Touch the **plus** + and **minus** — signs or slide the bar on the screen to adjust your desired level of brightness.

3 Touch **Home** to return to the **Home Screen**.

SET THE HEAT MODE

NOTE: Features and functions available are shown here. Your system display may vary.

Keep your spa heated with these options: Run the spa as continuously regulating heat in a **Ready** state or as energy efficient in a **Rest** state.

To Change The Heat Mode:

1 From the **Home Screen**, touch **Settings** then Heat mode. The **Heat Mode Screen** displays.

Home Screen

SET THE HEAT MODE (continued)

2 Touch buttons to change the Heat Mode.

Heat Mode

Options are:
Ready - Regulates temperature continuously, and best for frequent, scheduled use.
Rest - Regulates temperature only during filter cycles.
Ready-In-Rest - When your spa is in Rest Mode, and you touch Jet 1 the system switches to Ready-In-Rest Mode and heats the water to the desired temperature for one hour. Then, the spa re- turns to Rest Mode.
NOTE: To cancel Ready-In-Rest and return back to Rest Mode within the hour, perform step 2 and touch Ready button.

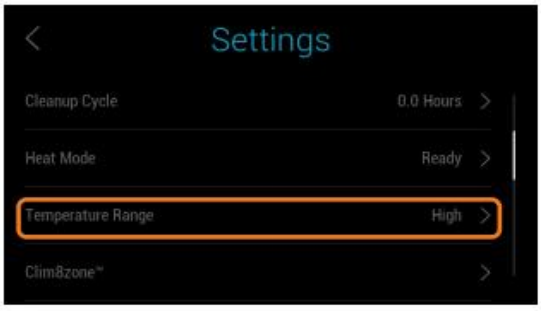
3 Touch **Home** to return to the **Home Screen**.

TEMPERATURE RANGE

Choose a range for your Desired Temperature setting, and that becomes the range displayed for setting spa water temperature. For example, choosing **High** may display a range from 80° F as the lowest degree, and 104° F as the highest of the High range.
NOTE: Your system's available ranges will vary.

To Change The Security Setting:

1 From the Home Screen touch **Settings** then **Temperature Range.**



Settings Menu

The Temperature Range Screen displays.

Temperature Range

2 Touch either **High** or **Low** to choose what range displays in the Desired Temperate Screen. Your selected range displays as the limits of your **Desired Temperature Screen.**

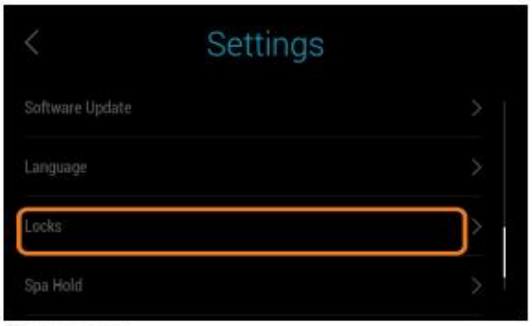
3 Touch **Home** to return to the **Home Screen**.

SET LOCKS

Restrict panel access and changes to water temperature setting by setting the locks.

To Change The Security Setting:

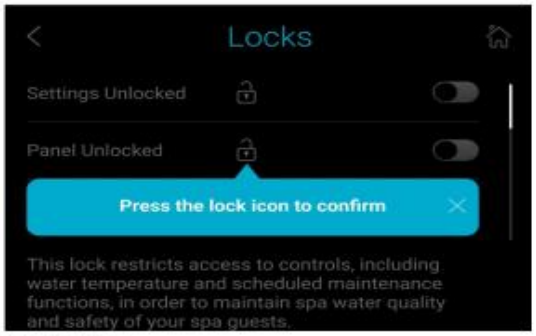
1 From the Home Screen, touch **Settings** and scroll to touch **Locks**.



Settings Menu

The **Locks Screen** displays two types of locks you can set:

- Settings Lock - This lock restricts access to controls, including water temperature and scheduled maintenance functions, in order to maintain spa water quality and safety of your spa guests.
- Panel Lock - This lock restricts preferential and personalize settings that affect the individual spa experience, including what is displayed on the panel and panel access to make changes to settings.



Locks Screen

2 Touch the off / on toggle.  The message displays, "Press the lock icon to

3 Touch the **Lock** icon.
The selected lock displays locked / unlocked.

4 Repeat steps 2 and 3 to change the setting again.

SET LANGUAGE

You can set a different language for the text in the panel screen display.

To Set A Different Language:

1 From the **Home Screen**, touch **Settings** and scroll to touch **Language.**

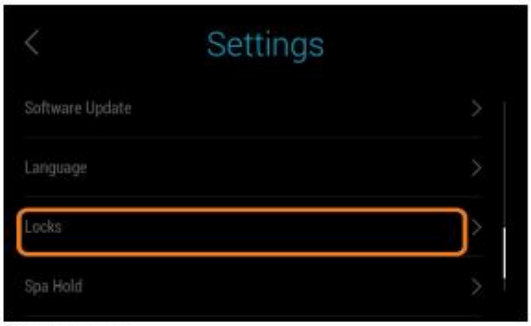
Settings Menu

SET LOCKS

Restrict panel access and changes to water temperature setting by setting the locks.

To Change The Security Setting:

1 From the Home Screen, touch **Settings** and scroll to touch **Locks**.



Settings Menu

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- Settings Lock - This lock restricts access to controls, including water temperature and scheduled maintenance functions, in order to maintain spa water quality and safety of your spa guests.
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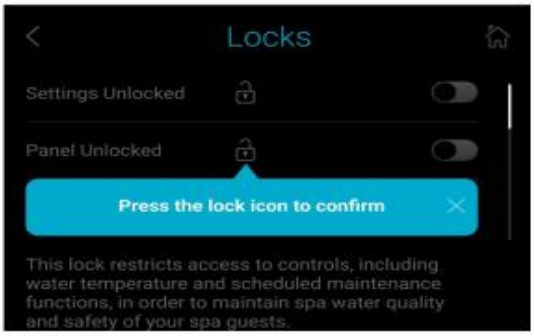

Locks Screen

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Settings Menu

WAVE™

wireless hot tub and swim spa control

QUICK START GUIDE

HOME MODULE

STEP 1 & 2

ETHERNET CABLE AND POWER SUPPLY

Plug in the supplied Ethernet cable to a home router

And then plug the other end of the Ethernet cable into the CMS™ Gateway Ultra Home Module

Plug in the supplied power supply to wall power

And then plug in the power supply into the CMS™ Gateway Ultra Home Module micro USB power port

STEP 3 & 4

STAND NEXT TO YOUR SPA AND ENSURE THE POWER IS ON

Stand next to your hot tub or swim spa (within 10 ft. / 3 m)

STEP 5

DOWNLOAD THE CONTROLMYSPA™ APP

STEP 6

OPEN APP AND PRESS "SETUP" FOLLOW INSTRUCTIONS IN THE APP TO SETUP AN ACCOUNT

Completing the APP download requires a "**CMS" code: JKD31150 .** During APP install, if you are asked for a WiFi network, power down the device, restart and reopen APP.

STEP 7

TROUBLESHOOTING

- Steady Red or Blinking Red: Spa is not connected
- Blinking Blue: Remote software update is underway. Do not unplug power
- Blinking Green: CMS™ Gateway Ultra Spa and Home Side Module RF is connected, but no connection to internet
- Steady Green: Spa successfully connected to internet. No errors

BALBOA water group

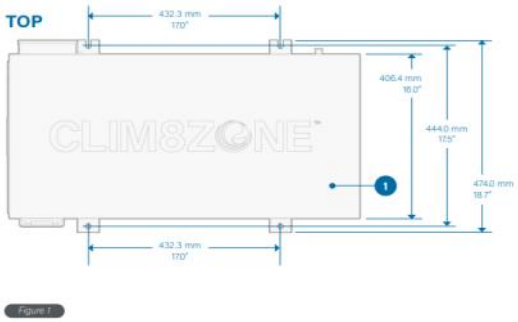
WWW.BALBOAWATER.COM

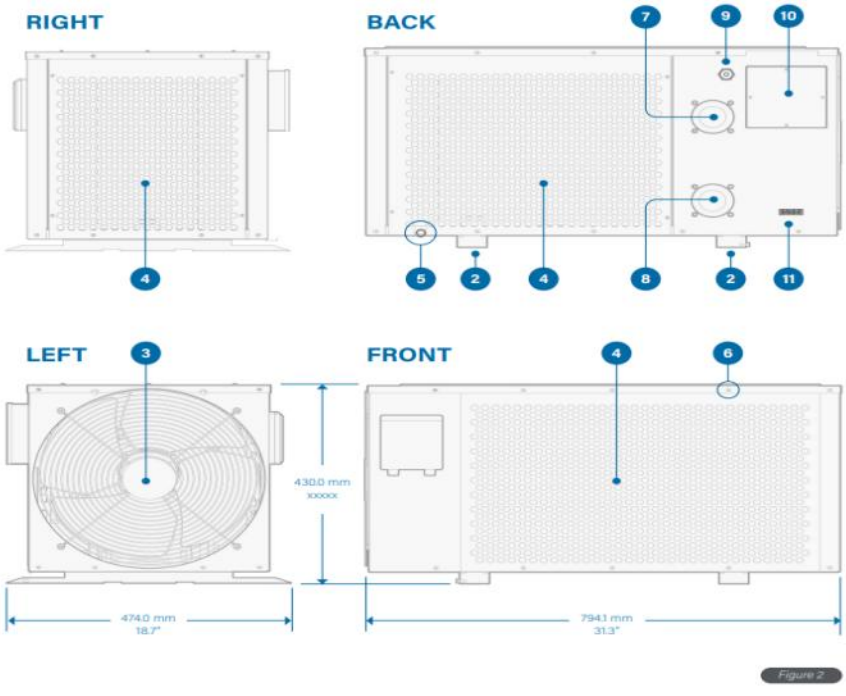
TempLock

ATTENTION: This manual includes all the necessary information about the use and the installation of the CLIM8ZONE unit.

- The installer must follow the installation instructions contained in the guide. Improper installation will void the warranty.
- The manufacturer declines any responsibility for the damage caused by people, objects and errors due to the installation against the manual. Any use that isn't in accordance with the origin of its manufacturing will be regarded as dangerous.
- **WARNING** Do not use means to accelerate the defrosting process, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odor.
- The CLIM8ZONE unit shall be installed, operated and stored in an open room larger than 3 m^3.
- Note the manufacturer may provide other suitable examples or may provide additional information about the refrigerant odor.
- **WARNING** If you power Off the CLIM8ZONE unit, please empty the water in heat pump always during winter time or when the ambient temperature drops below 0°C, or else the titanium heat exchanger will be damaged because of being frozen, in such case, your warranty will be lost.
- WARNING Please always cut the power supply if you want to open the cabinet to reach inside the CLIM8ZONE unit, because there is high voltage electricity inside.
- **WARNING** Please keep the display controller in a dry area, or close the insulation cover to protect the display controller from being damaged by humidity.
- **WARNING** Installation must be performed in accordance with the NEC/CEC and local code by authorized person only.
- **WARNING** Make sure the switch is turned to the power off position before installing the CLIM8ZONE unit or maintenance the heat pump.
- **WARNING** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- **WARNING** Single wall heat exchanger, not suitable for potable water connection

1	Enclosure Lid
2	Mounting Feet
3	Fan
4	Air Vents
5	Condensation Drain Spout
6	Lid Screws
7	Water Output
8	Water Input
9	Control/Data Bus
10	Power Line Box
11	Bonding Lugs (North America)

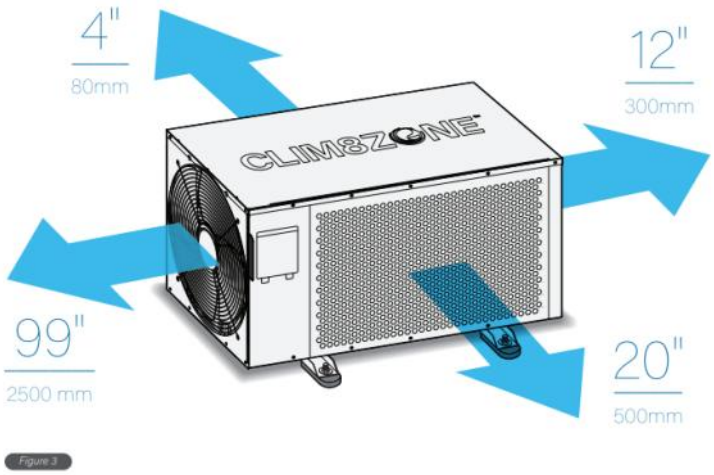




Follow the minimum clearance requirements shown below during installation and operation of the CLIM8ZONE™ unit. These clearances insure proper air flow. All Air vents must be unobstructed and free of debris.

Do not Install the CLIM8ZONE™ unit indoors.

It is recommended that the CLIM8Zone™ unit be installed no more than 6.5 feet (2 meters) from the hot tub.



TempLock

MOUNTING—CONCRETE SLAB (Mounting Hardware not included)

Follow these steps to mount the CLIM8ZONE™ unit on the concrete slab.

1. Establish the location of the CLIM8ZONE™ unit on the concrete slab.
- DO NOT install the CLIM8ZONE™ unit indoors
- It is recommended that the CLIM8ZONE™ unit be installed no more than 6.5 feet (2 meters) from the spa
- Follow the minimum clearance requirements (figure 3) to insure proper airflow.

2. Each foot (figure 4, A) on the CLIM8ZONE™ unit has a mounting hole. Clearly mark the center of each mounting hole on the concrete slab. Move the CLIM8ZONE™ unit to make room for step 3.

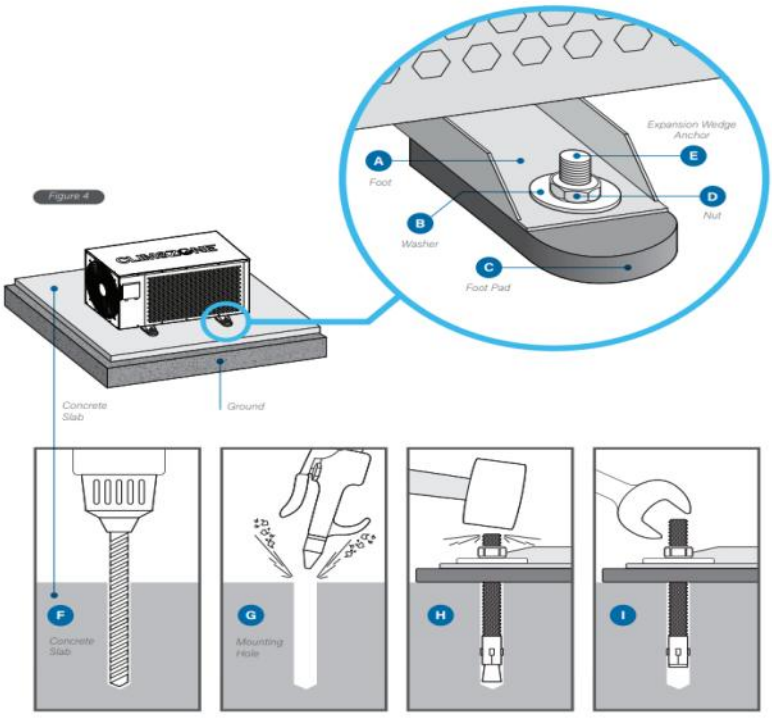
3. Using the marks from step 2 as a guide, drill one mounting hole for each foot into the concrete slab (figure 4 F).

4. Clean the mounting holes (figure 4, G) and the concrete slab, removing all dust and debris. If necessary used compressed air to clean the mounting holes.

5. Move the CLIM8ZONE™ unit back into its final position, making sure the mounting holes in the cement align with the corresponding mounting holes in the feet.
6. Place a foot pad (figure 4, C) under each foot.

7. Install the washer (figure 4, B), expansion wedge anchor (figure 4, E) and nut (figure 4, D) on each foot (A). Make sure the expansion wedge nuts are fully seated into the mounting holes (Figure 4, H); use a rubber mallet if necessary.

8. Tighten each expansion wedge anchor by turning the nut (Figure 4, I)



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MOUNTING—PLATFORM (Mounting Hardware not included)

Follow these steps to mount the CLIM8ZONE™ unit to a platform.

1. Establish the location of the CLIM8ZONE™ unit on the platform (Figure 5, A). Each foot on the CLIM8ZONE™ unit has a mounting hole (Figure 5, A). Clearly mark the center of each mounting hole on the platform (Figure 5, A). IN the next step you will drill a mounting hole for each foot (four total).

- DO NOT install the CLIM8ZONE™ unit indoors
- It is recommended that the CLIM8ZONE™ unit be installed no more than 6.5 feet (2 meters) from the spa
- Follow the minimum clearance requirements (figure 3) to insure proper airflow.

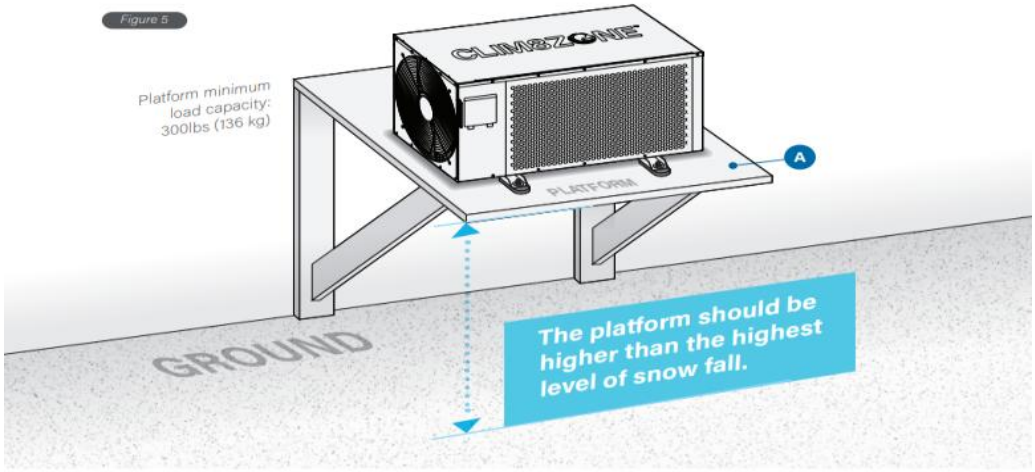
2. Using the marks from step 1 as a guide, drill one mounting hole for each foot into the platform (figure 5, B)
3. Clean the mounting holes and the platform (Figure 5, C), removing all dust and debris.

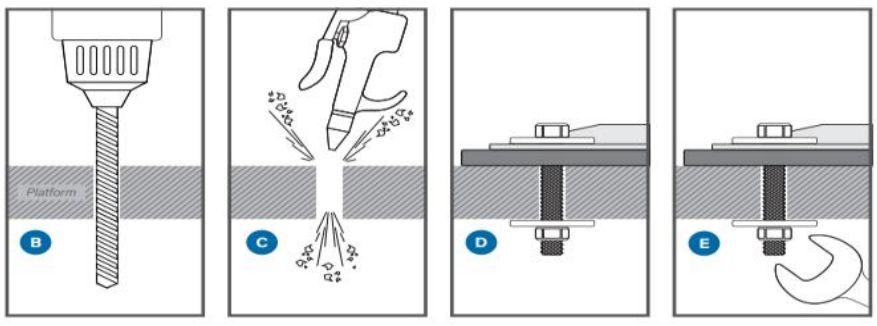
4. Move the CLIM8ZONE™ unit back to its final position, making sure the mounting holes in the platform align with the corresponding mounting holes in the feet.

5. Place a rubber foot pad under each foot (Figure 4, C). Rubber foot pads dampen vibrations.

6. Install the washers, bolt and nut on each foot (Figure 5, D)

7. Tighten the Nut (Figure 5, E) on each foot.





TempLock

ELECTRICAL CONNECTIONS

NORTH AMERICA

⚠ WARNING

There are no user serviceable parts inside of the CLIM8ZONE™ unit or the control system. All connections must be made by a qualified electrician in accordance with the country or local electrical codes in effect at the time of installation.

IMPORTANT

- Earthing is required for protection against short-circuits inside the unit. Always provide a good earth connection.
- Before connecting the unit, verify that the supply voltage matches the required voltage of the heat pump.
- It is recommended to connect the heat pump to a circuit with its own fuse or circuit breaker.

CLIM8ZONE™ MAXIMUM CURRENT:

220-240 VAC
50-60 Hz
5.71 A

Follow these steps to make the electrical connections:

1 - Make sure the BP Control System (figure 6, B) is powered Off at the GFCI or circuit breaker before starting the installation process.

2 - Remove the lid from the BP Control System (figure 6, B) by loosening these two screws (figure 6, C) with a Phillips head screwdriver.

There is a wiring diagram in the inside surface of the lid. Refer to the wiring diagram during steps 3 and 4.

3 - Connect the power cord (figure 6, D) to the circuit board of the BP Control System (figure 6, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 6, F) before making the connection.

4 - Connect the data bus (figure 6, E) to the circuit board of the BP Control System (figure 6, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 6, F) before making the connection.

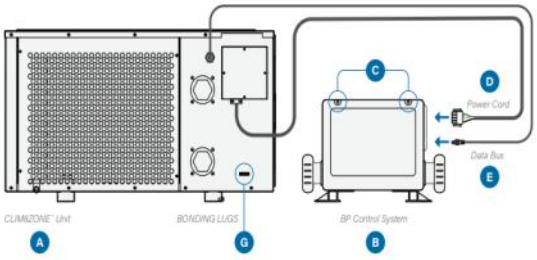
5 - Reinstall the lid of the BP Control System (figure 6, B).

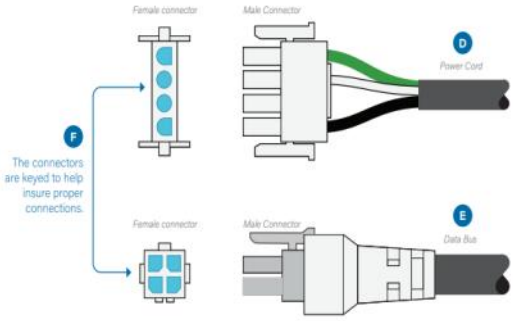
6 - Bonding: This unit is provided with a grounding lug (figure 6, G) and must be electrically bonded to the spa common bonding grid.

Connect the grounding lug with the spa common bonding grid with a #8 minimum solid copper wire.

7 - Power On the BP Control System at the GFCI or circuit breaker.

Figure 6





ELECTRICAL CONNECTIONS

1 SERVICE

UK, EUROPE, AUSTRALIA, NEW ZEALAND AND REST OF THE WORLD

⚠ WARNING

There are no user serviceable parts inside of the CLIM8ZONE™ unit or the control system. All connections must be made by a qualified electrician in accordance with the country or local electrical codes in effect at the time of installation.

IMPORTANT

- Earthing is required for protection against short-circuits inside the unit. Always provide a good earth connection.
- Before connecting the unit, verify that the supply voltage matches the required voltage of the heat pump.
- It is recommended to connect the heat pump to a circuit with its own fuse or circuit breaker.

CLIM8ZONE™ MAXIMUM CURRENT:

220-240 VAC
50-60 Hz
5.71 A

Follow these steps to make the electrical connections:

1 - Make sure the BP Control System (figure 7, B) is powered Off at the RCD or circuit breaker before starting the installation process.

2 - Remove the lid from the BP Control System (figure 7, B) by loosening these two screws (figure 7, C) with a Phillips head screwdriver.

There is a wiring diagram in the inside surface of the lid. Refer to the wiring diagram during steps 3 and 4.

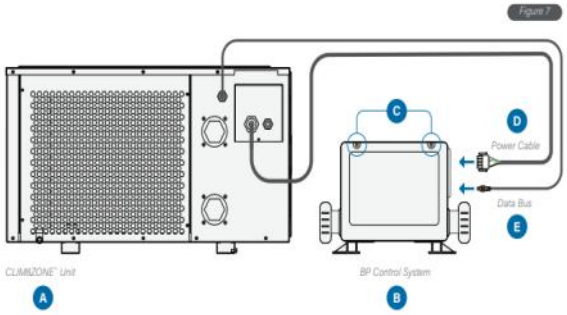
3 - Connect the power cord (figure 7, D) to the circuit board of the BP Control System (figure 7, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 7, F) before making the connection.

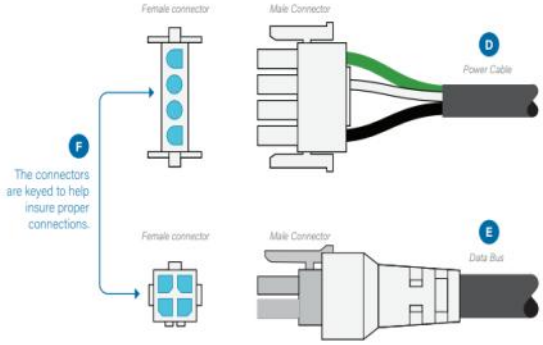
4 - Connect the data bus (figure 7, E) to the circuit board of the BP Control System (figure 7, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 7, F) before making the connection.

5 - Reinstall the lid of the BP Control System (figure 7, B).

6 - Power On the BP Control System at the RCD or circuit breaker.

Figure 7





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ELECTRICAL CONNECTIONS

3 SERVICE

UK, EUROPE, AUSTRALIA, NEW ZEALAND AND REST OF THE WORLD

⚠ WARNING

There are no user serviceable parts inside of the CLIM8ZONE™ unit or the control system. All connections must be made by a qualified electrician in accordance with the country or local electrical codes in effect at the time of installation.

IMPORTANT

- Earthing is required for protection against short-circuits inside the unit. Always provide a good earth connection.
- Before connecting the unit, verify that the supply voltage matches the required voltage of the heat pump.
- It is recommended to connect the heat pump to a circuit with its own fuse or circuit breaker.

CLIM8ZONE™ MAXIMUM CURRENT:

220-240 VAC
50-60 Hz
5.71 A

Follow these steps to make the electrical connections:

1 - Make sure the BP Control System (figure 8, B) is powered Off at the RCD or circuit breaker before starting the installation process.

2 - Remove the lid from the BP Control System (figure 8, B) by loosening these two screws (figure 8, C) with a Phillips head screwdriver.

There is a wiring diagram in the inside surface of the lid. Refer to the wiring diagram during steps 3 and 4.

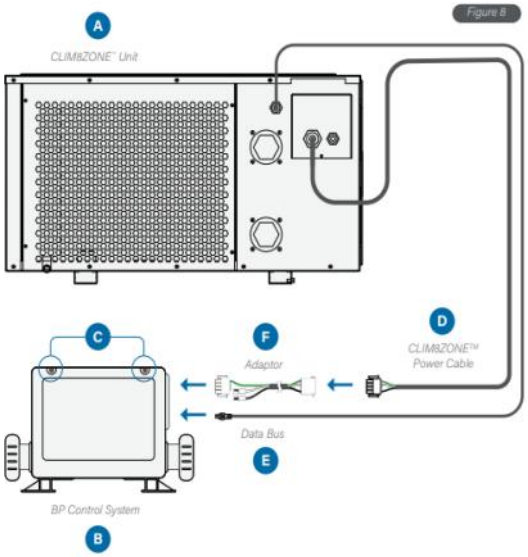
3 - Connect the power cable (figure 8, D) to the adaptor (figure 8, F). Connect the adaptor to the circuit board of the BP Control System (figure 8, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 8, F) before making the connections.

4 - Connect the data bus (figure 8, E) to the circuit board of the BP Control System (figure 8, B). Refer to the wiring diagram for the proper connection. The connectors are keyed, so make sure they are properly aligned (figure 7, F) before making the connection.

5 - Reinstall the lid of the BP Control System (figure 8, B).

6 - Power On the BP Control System at the RCD or circuit breaker.

Figure 8



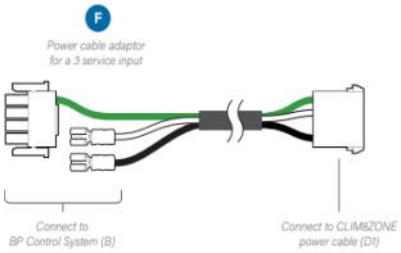


Figure 9

SPA EQUIPMENT DIAGRAM

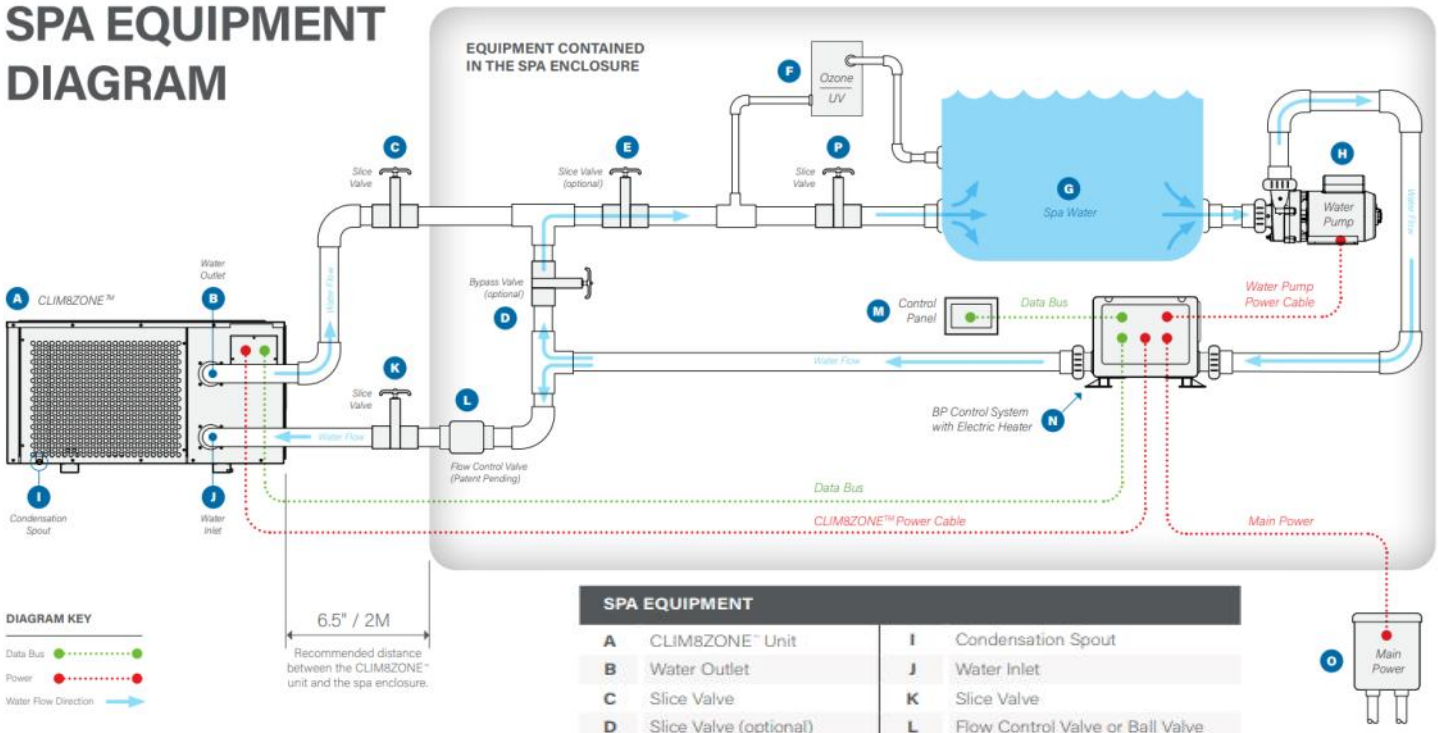


DIAGRAM KEY

Data Bus
Power
Water Flow Direction

SPA EQUIPMENT			
A	CLIM8ZONE™ Unit	I	Condensation Spout
B	Water Outlet	J	Water Inlet
C	Slice Valve	K	Slice Valve
D	Slice Valve (optional)	L	Flow Control Valve or Ball Valve
E	Slice Valve (optional)	M	Control Panel
F	Ozone / UV	N	BP Control System
G	Spa Water	O	Main Power
H	Heating Pump	P	Slice Valve

WATER FLOW

THREE RULES OF WATER FLOW FOR THE CLIM8ZONE™ UNIT

1 The CLIM8ZONE™ unit (figure xx, A) should have an input water flow of 11.9 US GPM (45 LPM) +/- 10% for optimal efficiency when heating or cooling the water.

2 The water flow into the CLIM8ZONE™ unit should be greater than 3.57 US GPM (13.5 LPM) to prevent a low flow error.

3 The water flow into the CLIM8ZONE™ unit should be less than 17.8 US GPM to ensure the unit is not damaged over extended use.

CLIM8ZONE™ Water Flow Rates	US Gallons Per Minute	Liter Per Minute	Meter³/Hour
Optimal flow rate for heating/cooling	11.89	45.0	2.70
Maximum flow rate for heating/cooling (+10%)	13.08	49.5	2.97
Minimum flow rate for heating/cooling (-10%)	10.70	40.5	2.43
Maximum flow rate to prevent damage	17.83	67.5	4.05
Minimum flow rate to prevent low flow error	3.57	13.5	0.81

Water flow rate for the BP Control System:

Minimum: 23 GPM (5.22 m3/H)

The BP Control System has a minimum specified flow rate of water through the electric heater for the BP Control System to function properly. Therefore, a bypass plumbing setup with slice values must be used in the hot tub to allow for both the flow rate requirements of the CLIM8ZONE™ unit and the flow rate requirements of the BP Control System heater to be met in the hot tub.

The installer shall adjust the water flow into the CLIM8ZONE™ unit by using the ball valve to ensure that the flow rate is within the recommended ranges.

Low or No Flow Condition

The CLIM8ZONE™ unit will shut itself off for safety reasons anytime the sensed water flow through the Heat Pump falls below a threshold of 3.6 GPM (0.81 m3/h).

During a Low/No Flow condition, the CLIM8ZONE™ unit will not heat or cool the water and will display an error message on the control panel display.

High Temperature Safety Protection

The CLIM8ZONE™ unit will shut off all heating or cooling for safety reasons anytime the water temperature exceeds 43°C/109.4°F for 5 seconds at the outlet or inlet.

Ozone / UV

Make sure any ozone / UV units are installed down stream from the CLIM8ZONE™ unit (Figure 9, F).

HEATING PUMP & FLOW CONTROL VALVE CONFIGURATION CHART

General Pump Type	HIGH Speed Amps	LOW Speed Amps	Flow Control Valve with 1.5" Plumbing	Flow Control Valve with 2" Plumbing	Flow Control Valve with 2.5" Plumbing
1.05A CIRC 60Hz		1.05	73002	73003	NO
1.00A CIRC 60Hz		1.00	73002	73003	NO
0.63A CIRC 60Hz		0.63	NO	73003	NO
16/4 56 Frame 60Hz	16.4	4.8	NO	73002	73002
16/4 56 Frame "Circ Killer" 60Hz	14	11	73002	73003	NO
12/2 56 Frame 60Hz	12.1	2.0	NO	73002	73002
12/4.4 56 Frame 60Hz	12	4.4	NO	73002	73002
12/3.5 "XL" with Larger Impeller 60Hz	12	3.5	NO	73002	73002
12/1 56 Frame "Circ Killer" 60Hz	12	1.0	73002	73003	NO
10/3 48 Frame 60Hz	10.7	3.0	NO	73002	73002
8.8/3 48 Frame 60Hz	8.8	3.0	73002	73002	NO

73002: Flow Control Valve, High Amp
73003: Flow Control Valve, Low Amp
NO: Cannot use this pump

Patent Pending

FLOW CONTROL VALVE OPTIONS

Part number: 73002, High Amp *(Patent Pending)*
Part number: 73003, Low Amp *(Patent Pending)*

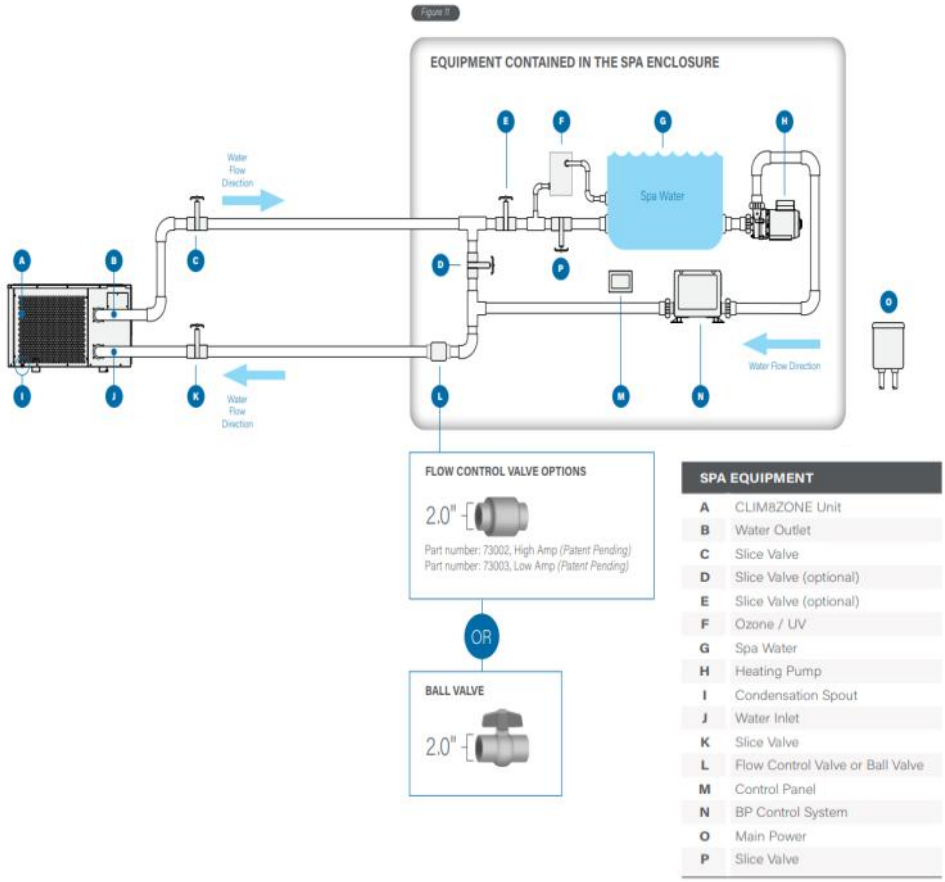
Figure 10

There are two ways to manage water flow into the CLIM8ZONE™ unit:

1 Install a ball valve (figure 11, L). This requires manual adjustments by the installer. A circulation pump should be used as the heating pump. A two-speed pump is incompatible with a ball valve setup.

2 Install a flow control valve (figure 11, L) - *Patent Pending*. The flow control valve automatically adjusts water flow into the CLIM8ZONE™ unit. A circulation pump or two-speed pump can be used as a heat pump in a flow control valve setup.

Figure 11



SPA EQUIPMENT	
A	CLIM8ZONE Unit
B	Water Outlet
C	Slice Valve
D	Slice Valve (optional)
E	Slice Valve (optional)
F	Ozone / UV
G	Spa Water
H	Heating Pump
I	Condensation Spout
J	Water Inlet
K	Slice Valve
L	Flow Control Valve or Ball Valve
M	Control Panel
N	BP Control System
O	Main Power
P	Slice Valve

HEAT PUMP vs HEATING PUMP

HEATING PUMP

A heating pump (figure 11, H) is a water pump that circulates water through the electric heater contained in the BP Control System (figure 11, N). The heating pump does not contain a heating element. It is simply a water pump.

There are two types of heating pumps:

1 - Circulation pump
2 - Two-speed pump.

If the spa has a two-speed heating pump, it will circulate water at low speed through the electric heater.

HEAT PUMP

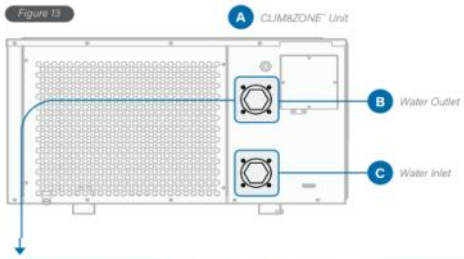
A heat pump can both heat or cool spa water, and all of the heating and cooling equipment is contained in the heat pump. CLIM8ZONE (figure 11, A) is a heat pump.

TempLock

PLUMBING

ITEMS INCLUDED IN THE BOX

Figure 12



Install pump unions

The CLIM8ZONE unit (figure 13, A) has a cap covering the water outlet as shown here.

1 Remove the cap as shown here.

2 Before starting this step, make sure Gasket 1 (figure 12, E) and Gasket 2 (figure 12, F) are mounted properly on Pump Union 1 (figure 10, B). Install Pump Union 1 into the water outlet as shown here.

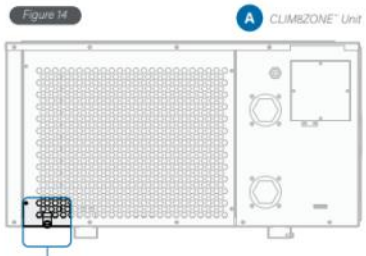
3 Tighten Pump Union 1 with the wrench (figure 12, G) as shown here. Wear gloves to protect your hands from the edges of the wrench.

Before beginning step 4, make sure Gasket 2 (figure 12, F) is still properly seated as shown here.

4 Install Pump Union 2 (figure 12, C) onto the end of Pump Union 1 as shown here.

5 Repeat steps 1 - 4 for the water inlet (figure 12, C).

(Continued on next page)



Install condensation hose

The CLIM8ZONE™ unit (figure 14, A) has a condensation drain spout as shown here.

A hose clamp and condensation hose are supplied for drainage.

1 Install the hose and hose clamp over the drain spout as shown here.

2 Tighten the hose clamp with a Philips head screw driver to secure the hose in place and create a water tight fit.

As much as 3+ liters of condensation per hour may flow from the end of the hose. Make sure the end of the hose has proper drainage, so water does not collect around the CLIM8ZONE™ unit. Condensation is normal and is not a water leak.

Swim, walk, run, use weights for upper and lower body fitness or choose any underwater fitness machine; treadmill or elliptical, for the most natural, proven, health and well-being program. Aquatic exercise promotes balance, is easy on joints and enjoyed by any age group, all in the convenience and privacy of your own home.

Personalized Workout Programs

It is up to you. You may choose a leisurely jog or swim benefiting from the buoyancy of aquatic exercise, or for the athlete in training, the added challenge of our prop strengths from 5% to a full 100% will keep you in shape and competitive.

Refer to the Control section of this guide for simple programming of up to 6 speeds, each at a maximum of 10 minutes to customize your exercise level and goals.

With a range of 5%-100%, the types of exercise and level of challenge are endless. It is recommended the lower range, 5%-25%, for most users, is beneficial for walking, weights, kicks and perfect range for general well-being and relief to joint pain sufferers.

The higher intensity, 25%-65%, is best suited for the fitness enthusiast with goals on muscle strength, aerobic fitness and moderately competitive sports activities.

MotionMat™ Full size stylish mat adds floor grip for balance and stability making walking, jogging, and running pleasurable and beneficial and the economical alternative to costly bulky treadmills. MatTrax™ provide grip treads on steps for enhanced safety.

AquaCross™ Tethered Exercise System standard on Synergy models and optional on TruSwim® Series models. Pole attaches in stainless steel grommet providing added resistance to aquatic workout. Refer to instructions and safety guidelines in this manual.

AquaForce™ Rope and Pulley System for upper body and core workout. Attaches into a stainless steel grommet on swim spa lip. Optional on all swim spa models.

SplashTrax™ Slip-resistant, in-water traction system designed to provide stable footing on the spa floor and added coverage over bench seating for improved comfort and safety.

Aqua Resistance Bands™ Aqua resistance bands add adjustable resistance to water exercises, helping improve strength and muscle tone with low impact on joints. Suitable for all fitness levels, they should always be securely attached before use.

Review these safety precautions before installing and using the AquaForce™ exercise System.

WARNING: Rope intended for use with AquaForce™ ONLY, in swim spas equipped for the System.

WARNING: Do not exceed 240 lbs. of pulling force.

WARNING: System pole must be inserted correctly and secure in the holding grommet prior to use.

WARNING: System hand grips are intended for hand use only.

WARNING: System must be removed when not in use, never to be in place during other swim spa use.

WARNING: System is NOT a floatation or safety device.

WARNING: Keep System out of the reach of children.

AquaCross™ Swim Tether Exercise System

Tether System increases resistance for aquatic exercising; swimming, walking, jogging.

Review these safety precautions before installing and using the AquaCross™ exercise system to assure it will be used properly and will eliminate any possibility of breakage or rod failure. This system is engineered to provide resistance technique and aerobic exercise in water.

IMPORTANT SAFETY & CARE INSTRUCTIONS - PLEASE READ

1. Do not mount your Swim Tether™ more than 24" above the waterline for safety.
2. **DO NOT** Stand on the deck behind a Swim Tether™ that is in use.
3. Swim Tether's are intended for use in a swimming pool or swim spa outfitted with an approved AquaCross™ swim tether base plate.
4. **DO NOT** use AquaCross™ swim tether out of the water defects in materials and workmanship for life **while being used as directed**.
5. For proper use, enter the shallow end of the pool then secure to your waist.
6. **DO NOT** jump into a pool or swim spa while attached to a Swim Tether™.
7. **REMOVE** AquaCross™ swim tether from deck plate and **STORE** safely when not in use.

NEVER ALLOW a child or minor to use a swim tether without constant, undivided adult supervision!

CARE INSTRUCTIONS

1. **Rinse** AquaCross™ swim tether with fresh water after every use.
2. **Store in a cool, dry place** when not in use to avoid excessive damage from the elements. Prolonged exposure to UV rays may have adverse effects on some of the components. It's best to store all components away from sunlight.
3. **Inspect your AquaCross™ swim tether before each use. DO NOT USE** if there are any visible signs of damage or excessive wear and tear. Your Swim Tether is protected by our lifetime guarantee, contact us immediately and we'll be happy to replace damaged components for your safety. **DON'T RISK IT.**

Product Disclaimer. Read all instructions before using the Swim Tether® device. The Swim Tether® device is specifically designed to maximize water exercise and safety. The components of the Swim Tether device (i.e., the best, tether, and fully assembled pole) are specifically designed to work, in tandem, to achieve the safety and results Swim Tether is proud to promote for its product. The Swim Tether is designed to be used for all forms of swimming related, resistance exercise. The use of the Swim Tether device by children under 18 years of age requires constant and continuous adult supervision. Although the Swim Tether device is extremely strong, if the surface of the Swim Tether device is cracked, broken, cut, scraped, or otherwise damaged, its integrity can be compromised and could shatter and cause personal injury and property damage. THOROUGHLY INSPECT THE SWIM TETHER DEVICE EACH TIME YOU USE IT.

If the Swim Tether® device is cracked, broken, cut, scraped, or otherwise damaged, DO NOT USE THE DEVICE. Care should be taken in the unpacking and assembly of the Swim Tether® device. The Swim Tether® device should only be used in pools and spas that are at least ten feet long and three and one half (3.5) feet deep. Never use the Swim Tether® device near steps or steep inclines. Never allow more than one (1) user to use one (1) Swim Tether® device at a time. Always attach the Swim Tether® device belt and tether while standing in the pool or spa. Never attach the Swim Tether® device belt or tether and then jump into a pool or spa. When in use, warn bystanders to stay clear of the Swim Tether® device. Do not use the Swim Tether® device or swim when thunderstorms or lightning are present or threatening. Do not use the Swim Tether® device for any purpose except as described in this manual and on the Swim Tether® Website.

Limitation of Liability. Customer acknowledges and agrees. (a) to hold harmless and indemnify Swim Tether® and its employees, officers, members, managers, agents and suppliers from any claim, demand, loss, liability, or expenses (including reasonable attorney's fees, whether a lawsuit is filed or not and on all appeals) for any and all interruptions, error of…

NO WARRANTY EXCEPTION AS EXPRESSLY PROVIDED HERIN. EXCEPT AS OTHERWISE EXPRESSLY PROVIDED IN THIS MANUAL. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE SWIM TETHER® IS PROVIDED BY SWIM TETHER® "AS IS" WITHOUT ANY CONDITION OR WARRANTY WHATSOEVER EXCEPT AS OTHERWISE EXPRESSLY PROVIDED BY THIS MANUAL. ALL CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARE DISCLAIMED BY SWIM TETHER®, INCLUDING, WITHOUT LIMITATION. THE IMPLIED CONDITIONS AND/OR WARRANTIES OF MERCHANTABILITY, TITLE NONINFRINGEMENT AND FITNESS FOR PARTICULAR PURPOSE.

Swim Tether® offers a Life Time Warranty on the Swim Tether® pole and One (1) Year Warranty on all other components. The defective component(s) must be returned to Swim Tether® corporate offices for analysis in order for the warranty to be effective. Any warranty provided by Swim Tether® is food in the event that the Swim Tether® device is not used in accordance with this manual, or the Swim Tether® Website. or components not furnished by Swim Tether® are used in conjunction with the Swim Tether® device.

Installation. Use. Maintenance and Storage. Do not leave the Swim Tether® device mounted to a pool or spa deck when not in use and never leave the Swim Tether® device unattended. Installation of the Swim Tether® device deck plate requires a power drill. Always take proper safety precautions and use proper safety equipment when using any power drill, especially in wet areas, as suggested by the manufacturer of the power drill.

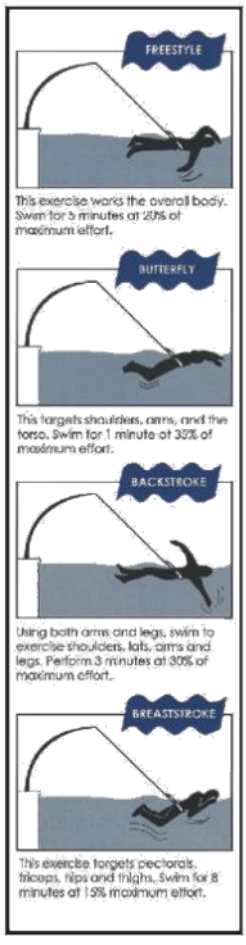
Entire Agreement. These terms and conditions contain the entire agreement between Swim Tether® and customer. There are no representations, conditions or statements which are material to these terms and conditions, unless specifically and expressly stated in these terms and conditions. Customer has not relied upon any such representations not contained in these terms and conditions. Swim Tether® shall not be responsible for any promise, conditions, warranties or representations made by any of its representatives, employees, or agents unless such statement is given by Swim Tether® in writing.

Successors and Assigns. All disclaimers of warranty and liability contained in these terms and conditions shall be binding upon the customer and their successors, assigns, transferees, and ultimate users.

Amendment. Severability and Assignment. Swim Tether® reserves the right to alter, modify, update or revise these terms and conditions without notice at any time. Any such changes to these terms and conditions shall become effective immediately upon being posted to the Swim Tether® website. If any provision of these terms and conditions shall be unlawful, void or unenforceable for any reason, the other provisions (and any partially-enforceable provision) shall not be affected thereby and shall remain valid and enforceable to the maximum possible extent. Customer agrees that Swim Tether® may, in its sole discretion, assign these terms and conditions to another entity or organization as a result of any merger, acquisition or reorganization.

Governing Law and Jurisdiction. These Terms will be governed by and construed in accordance with the laws of the State of Georgia and you submit to the non-exclusive jurisdiction of the state and federal courts located in Georgia for the resolution of any disputes.

SUGGESTED EXERCISES



PROPER USE OF SWIM TETHER DEVICE ; AQUACROSS™

To clarify the proper use of our two products we find it necessary to list a few specific methods that will "guarantee" that your product will be used properly and will eliminate any possibility of breakage or rod failure.

These units are specifically engineered to provide "resistance technique and aerobic exercise in water", not a land/dry based swim system.

1. Do not over "OVER STRETCH" cord more than 50% of its original length!
2. Do not jump off side of pool with belt/tether attached.
3. Do not push off side of pool, start swimming once you are in pool and slack is out of latex cord.
4. Do not try to reach the other side of your pool, failure may occur. These units are made for resistance, "LET THE WATER DO THE WORK".
5. When swimming any one of 4 strokes, find a rhythm in your stroke where you fluctuate forward and backwards; but basically stay in a defined swim space.
6. You can "swim slowly to moderate" and accomplish maximum aerobic strength and conditioning without swimming hard.
7. When wearing belt leave at least 2 inches of slack behind your spine and rest front of belt on front of hip bones.

The Importance of Proper Water Chemistry

Evaporation: Only pure water evaporates leaving a higher concentration of salts, metals, minerals and unused chemicals in the remaining swim spa water. Over time, the water can become saturated with these impurities causing stain and scales to build up on the spa walls and equipment components. Discoloration and possible corrosion may occur on fittings, pillows and cover.

Swim Spa Users: Occupants introduce contaminants to the water. That level of contamination is dependent on the number of users, time used and frequency of use. Skin lotions and detergent residue in bathing suits may cause excessive foaming cloudy water.

Temperature: Swim spas and hot tubs are normally kept in the range of 87°F to 102°F. These warm temperatures increase evaporation, increasing the solidification of minerals, metals and scale formation. The heat level also increases the need for proper sanitation to inhibit bacteria growth.

Surrounding Elements: Most swim spas are installed in the backyard where occupants introduce grass, leaves, insects, dust, etc. from the environment. Both indoor and outdoor installations are exposed to pollen, dust, etc. in the surrounding air.

Adhere to the routine maintenance suggested in this manual for proper water chemistry and maximum enjoyment for your new swim spa.

Basic Understanding of Water Care

Always keep in mind that a swim or fitness spa is NOT a swimming pool. With a smaller volume of water, warmer temperatures and circulation, combined with the PDC Spas' standard EverPure2™ system, different and far less chemicals are needed to maintain pure, clean swim spa water.

Filtration: Cartridge filters in both the suction-side Pristine system and the pressure-side PowerFlo system remove dust, debris, algae that are continuously entering the spa. The frequency of filtration is programmed at the spa side control and dependent upon your individual use patterns. The cartridge is recommended to be changed at least once a month and cleaned per the instructions under maintenance. A spare cartridge is recommended to avoid shut-down during the cleaning process.

Shocking the Water: This is the term used when super chlorinating the water by adding extra chlorine raising the chlorine level above 8 ppm (part per million) or by adding a non-chlorine (oxidizer) to eliminate chloramines or bromamines. The non-chlorine additive releases oxygen into the water acting as a chlorinator. Do not enter the water until the chlorine level is below 5 ppm. The non-chlorine additive will not treat bacteria.

Total Alkalinity: This is a measurement of the water's ability to maintain a proper pH level. Total alkalinity is measured in ppm from 0 - 400+ with the optimum reading 100-120 ppm. With low alkalinity, the pH level will flip easily. With a high alkalinity reading, it becomes difficult to regulate.

pH levels: This a measurement of acidity (active hydrogen) in the water. pH is not measured in ppm but on a scale of 0-14 with 7.4—7.6 being the neutral desired level. Anything below 7 is considered acidic and will cause eye and skin irritation and corrode metals with excessive chlorine loss. Anything above the neutral range may cause cloudy water, eye and skin irritation and scale formation. This level should never be below 7.2 or above 7.6.

Ozone Sanitation: Ozone is a natural sanitizer, a byproduct of oxygen; $O^{3\cdot}$ It has been used successfully for many years as a purifier of drinking water. Ozone kills bacteria and has an "after rain" smell as it leaves the swim spa water. There is no test for ozone levels in the spa water. It is introduced into the spa water by an ozonator component located behind the cabinet wall. It is operating during the filtration cycle of the pump and is easily programmed at spa side control. This is a virtually maintenance-free treatment for sanitizing the spa water keeping the water clear and odor free. It is necessary to adjust pH levels, alkalinity and shock as needed.

Chlorine / Bromine as Sanitizers: A granular dichlor is recommended to work in junction with the ozone and UV-C EverPure2™ system. It is recommended to broadcast granules; 1 tbsp. per 500 gallons, once a week, to maintain a chlorine residual of 3-5 ppm. YOUR SHOULD NEVER HAVE AN ODOR OF CHLORINE FROM YOUR SWIM OR Splash SPA! IMPORTANT: Do NOT use Trichlor! Trichlor is usually what swimming pool stores and big box retailers, such as Lowe's and Sam's Club, sell. This trichlor product is intended for swimming pools NOT swim spas. Dichlor (Sani Spa) is approximately 55% chlorine, where as trichlor is closer to 98%. PDC Spas has equipped their swim and fitness spas with the EverPure2™ system allowing owners to use LESS chemicals overall, particularly for sanitation. This proven purification treatment maintains a level of sanitation without large doses of harsh chemicals. ALWAYS leave the cover open with the water circulating for at least 15 minutes after adding chemical.

Calcium Hardness: Water that is considered too hard (over 250 ppm) may cause scale formation in electrical components and water too low (less than 150 ppm) may also have a negative effect on components.

Foaming: Body oils, lotions, cleaners, high pH levels, algaecides, detergents, low calcium and sanitizer levels often cause foaming. Foam can also be a result of low calcium and sanitizer levels.

Water Care Initial Start-Up

Improper use of swim spa chemicals may be dangerous and could damage your swim spa and cover. Since this damage is not covered by the warranty, it is extremely important to take precautions when using these products. Only use chemicals and cleaning agents designed for swim spas. Damage resulting from the use of non-recommended chemicals and/or cleaning agents is not covered under the warranty. Following the procedures in this guide will make the maintenance and care of your swim spa simple and reliable.

Proper Handling of Chemicals

Spa water shall be tested and treated in accordance with local codes.

Keep all chemicals out of the reach of children.

Always keep lids on chemicals when not in use and store in a cool, dry location away from direct sunlight.

Do not store chemicals within the interior of the swim spa cabinet.

Do not interchange caps or measuring scoops for different types of chemicals.

Do not smoke around chemicals. Some may emit highly flammable fumes.

In case of contact or if a doctor is required, bring the chemical container to medical authorities for proper treatment.

Never use swimming pool chemicals in your swim spa. This may void the warranty.

Never mix chemicals or chemical solutions directly with each other.

Always add chemicals to water when mixing them. Never add water to chemicals.

Important:

Before using chemicals, read the labels and follow directions carefully.

Always add the chemicals directly to the swim spa water, either in a suitable feeder, distributed over the water surface, or poured into the water, preferable with the pump on.

Never add chemicals to the water while persons are using it.

Leave the cover off and circulate the water for at least 15 minutes after adding chemicals to effectively distribute the chemicals and allow odors to escape.

Initial Start-Up

1. Never use more than 50% softened water when filling the swim spa. It is suggested to use an in-line filter on the hose when filling to prevent many minerals from entering the water making balancing and adjusting the water easier.
2. Add a sequestering agent to treat suspended minerals in the water during this initial fill. Allow water to circulate and filter for at least half an hour before adding additional chemicals.
3. Test water for pH, total alkalinity and calcium hardness. Acceptable levels for pH are 7.4-7.6, for total alkalinity 100-120 ppm and calcium hardness between 150-250 ppm.
4. Adjust pH and total alkalinity per the instructions on the chemical bottle. Allow the chemicals to circulate and wait at least 24 hours to retest.
5. Adjust and retest as necessary.
6. Add concentrated chlorinating granules (sodium dichlor) until a level of 5-8 ppm is reached to effectively treat initial fill water. Add this chlorine by broadcasting over the water surface while the pumps are operating. Do not use the swim spa until that level drops to below 5 ppm. DO NOT add the chlorine granules until after the pH, alkalinity and calcium hardness levels are appropriately met.

DUAL-ZONE MODELS: The hot tub zone of these units is separate from the fitness zone and may be treated with AquaFinesse. This is a proprietary system that sanitizes the water with a clean lavender scent, soft feel, and gentle on your skin. The water will require pH, alkalinity and calcium hardness management and chlorine shock as needed. Contact the factory or your retailer for further info. Remember each zone is separate with controls, filtering and ozone sanitation; EverPure2™ w/EverLite2™.

Water Care Schedule

Before Use: Each time before the unit is used, check the water with a test strip for proper sanitation levels and adjust accordingly achieving the optimum 2-4 ppm level. The unit should not be used if the level is 5 ppm or higher.

Every Other Day: Using test strips, monitor the pH, alkalinity and sanitizer levels. The pH should read between 7.4-7.6, alkalinity between 100-120 ppm.

Weekly: Add non-chlorine shock as needed to maintain correct level dependent upon amount of users, frequency and length of use during that week.

Monthly: Change the cartridge filter. Soak overnight in a non-sudsing cleanser, preferably Filter Clean available at your retailer. Rinse well and replace. Be sure to turn off all circulation for removal and replacement. Review in Maintenance section.

Every 6 Months: Drain and refill your unit. Wipe down the acrylic surface, install a clean filter. Refer to the Maintenance section.

Troubleshooting Reference

Symptom	Probable Cause	Suggested Correction
Cloudy Water	High total alkalinity levels, High pH levels, High calcium hardness. Algae growth, low sanitizer levels, high user load, pets, rain. Overuse of defoamer.	Test levels and make correcting adjustments.
Colored Water	Red-Brown; overall imbalance Blue-Green; high pH level.	Brown-Red; Test pH, alkalinity and calcium hardness. Drain and refill if necessary. Blue-Green; Test pH and make adjustments.
Foaming	Low calcium hardness. Build up of soaps, lotions, organic matter, etc.	Raise calcium hardness level. Use defoaming agent. Replace filter. Drain if necessary.
Skin/Eye Irritation	pH level imbalance. Low sanitizer level.	Test pH, alkalinity and sanitizer levels. Make adjustments. Shock if necessary.
Stains at Waterline, Pillows, etc.	Low alkalinity, pH levels.	Adjust pH and alkalinity. Drain, clean off stained areas, change filter and refill.
pH Fluctuation	Low alkalinity levels.	Test alkalinity level and make adjustments.
pH Resistance	High alkalinity levels.	Test alkalinity level and make adjustments.
Sanitizer Inefficiency	High pH and/or alkalinity level.	Test both levels and make adjustments.
Scale Formation	High pH, calcium harness and/or alkalinity levels.	Test all levels and make adjustments. Drain and refill if necessary.
Algae Formation	Low sanitizer level.	Clean spa walls, add algaecide*, add shock.
Corrosion in Fittings and Components	Low pH and/or alkalinity levels. High chlorine level.	Test all levels and make adjustments. (This build-up may cause operation failure and void warranty.)

* Avoid using any biguanide or copper based algaecide in the unit. Use of these products is not recommended and may void the warranty

Regular Swim Spa Maintenance Procedures

There is some basic maintenance that will need to be performed on your swim spa. By following these basic maintenance suggested procedures, you will insure that your spa provides years of service. These basic maintenance procedures are not covered under warranty.

Testing the G.F.C.I. (equivalent RCD for export installations)

Ground Fault Circuit Interrupter (G.F.C.I.) protection for the swim spa should be tested prior to each use by the homeowner. With the swim spa in operation, push the "test" button on the G.F.C.I. breaker at the panel box. The spa should shut down immediately. Now reset the G.F.C.I. The swim spa should return to normal operation. If the G.F.C.I. fails to operate in this manner, there exists a possibility of electrical shock. Discontinue swim spa operation by turning off power and disconnecting the power source and notify a qualified electrician for identification and correction of the problem.

Cleaning Jets

Most of the jets in your swim spa are able to be turned on or off. Over time they may become difficult to turn. When this happens it will be necessary to remove the jet and clean any grit or debris from the jet body. To remove the jet you will need to turn the face of it counter clockwise until it stops. Next continue to turn the jet counter clockwise as you pull on the face. The jet will then pull away from the jet body. Clean jet body with cloth to remove all debris from the jet body.

To clean the jet barrels you can soak them overnight in white vinegar. Once the jet has soaked overnight rinse thoroughly with water. To reinsert the jet barrel into the jet body simply put the barrel back into the body and push while turning clockwise.

Cleaning Diverter Valves

Due to mineral deposits, grit, and sand that may get into the internal parts of the diverter valve, it may become hard to turn or lock up completely. In the event this happens it will become necessary to remove the handle, cap, and puck to clean out the diverter valve. Follow the steps below to clean out the diverter valve.

1. Turn off power to swim spa.
2. Remove handle and loosen diverter valve cap. If that cap can not be removed by hand you may need to use a wrench. Before you place a wrench on the cap cover it first with a clean rag.
3. Pull the cap off of the diverter valve. The puck may or may not come out with the lid. You may need to pull the puck out of the body with a pair of plyers.
4. Wipe down the puck as well as the diverter body to remove all grit and debris. Soak in white vinegar if needed.
5. Place the puck back into the diverter body. Check the large o-ring to make sure it is seated correctly on top of the diverter housing.
6. Check the two stem o-rings to make sure they are both in the center of the lid before reinstalling and tightening the lid.
7. Reinstall the handle and turn the power back on.

Perma-Wood™ Cabinet Care

Your swim spa cabinet is constructed from a wood alternative, polymer material designed to be durable, tough, and virtually maintenance-free. It may require periodic cleaning with a non-abrasive cleaner and/or rinsed with a hose.

Pillow Care

Your swim spa pillows should periodically be rinsed to clear them of any chemical residue. If the unit is not intended to be used for a period of time, it is recommended to remove them to extend their life.

Stainless Jet Finish Care

The stainless trim on your swim spa can keep it's luster for many years with proper care. Frequent wiping with clean water and a good car cleaning wax at time of drain and refill will protect against possible rusting. Never clean with bleach, corrosive materials or abrasive material such as steel wool. Failure to properly care for stainless steel components could result in rust formation which is not covered under the warranty. An excessive level of chlorine may cause corrosion and rust. Use only dichlor and maintain suggested levels.

Thermal Cover Care

Always use the locking thermal cover when not in use to reduce heat-up time, operating costs and keep unwanted debris out. To prolong the life of the cover, handle it with care and clean it regularly using mild soap and water. Periodic treatments with a vinyl conditioner will help protect against deterioration caused by UV rays from the sun. Never allow anyone to stand or sit on the cover, and avoid dragging it across rough surfaces. Be sure to lock all straps when not in use for safety and to prevent wind damage. Keep cover open at least 15 minutes after adding chemicals.

Access the web for further details on proper care and maintenance, replacement and use of the cover.

EverPure2™ Ozone and UV Care

The ozone hose and check valve connection between the ozone generator and ozone injector should be inspected or replaced, if necessary, annually. The air quality pulled into the generator may cause rapid wear on the hose and check valve. The EverLite2™ will light green when the ozone generator is operating (during the filtration cycle) indicating the EverPure2™ system is indeed sanitizing the water.

The UV-C bulb is estimated to be operative for about 1000 hours of use. Access the website for further information on proper operation and replacement of this system.

Plumbing Care

Swim spas are plumbed with plastic jets, pipes and fittings which are glued together. These plastic parts and their many glue joints are subjected to harsh treatment with years of operation, subjected to many hot-cold cycles and the high pressure generated by the powerful jet pump stressing pipes and joints. Although the factory has a rigorous testing procedure, even transportation from the factory to you can cause vibration and possible loosening of the joints.

Should a leak occur, remove that appropriate section of cabinet wall exposing the leaking area. Drain the swim spa to below the leak and contact a qualified technician for repair.

Filter Cartridge Care

Swim Spa water filtration begins as soon as the flow is steady through the pump. As the filter cartridge removes dirt from the water, the accumulated debris will cause a resistance to flow. When this is noticed, along with cloudy water, clean or replace the filter element as noted below. This generally occurs monthly depending upon use and water care.

Pristine™ System: Suction-side design
1. Shut off power at the main or sub panel.
2. Remove the filter housing top by pulling up the raised portions of the filter top.
3. Lift the skimmer basket out of the filter canister.
4. Remove the filter from the canister.
5. Replace with clean filter, either a clean spare which is recommended, or cleaning of the soiled removed cartridge. Refer to scheduled care section for recommendations.
6. Place skimmer basket back in filter canister.
7. Place filter top onto filter canister and turn clockwise until top stops.

Swim Spa Acrylic Surface Care

To preserve the sheen of the acrylic surface, clean and sanitize with clean water to remove any particles and use rubbing alcohol or a non-abrasive, non-sudsing cleaner to wipe clean. Use a soft, lint free cloth and never use an aggressive solvent such as a lacquer thinner or acetone which will cause damage to the acrylic.

Always keep the swim spa covered with an approved thermal safety cover to ensure safety, spa surface protections and efficiency. Prolonged exposure to the sun can damage the swim spa shell surface due to it's capacity to absorb heat. Any damage resulting from failure to observe this precaution will void the warranty.

Periodic Water Draining and Refilling

After a certain time, you may find the addition of chemicals will not clarify or eliminate odors in the spa. This is an indication the water needs to be drained and replaced. Generally, depending upon bather load and water chemistry maintenance, this may need done every 3 months. With the use of ozone, this may need done less frequently.

1. Reduce set temperature to 59℉ (15℃).
2. Turn off all power.
3. Connect a garden hose to the recessed drain valve found on the side of your swim spa cabinet, by slowly pulling the cap out all the way (approximately 2") and turn cap counterclockwise to remove. Attach the hose and push valve 1", this will start the draining process. After draining the spa, replace the cap and push the valve all the way in. *(See photo.)* Note: Unscrew the large nut around the drain valve to remove the cabinet panel from the spa for servicing, if necessary.

4. Clean cartridge filter as noted previously in this section regarding maintenance recommendations.
5. Clean acrylic shell surface with non-sudsing cleanser per maintenance recommendations.
6. Begin filling the swim spa. We recommend filling the swim spa to the top line on side wall. During the filling process periodically check the unions to ensure they are tight and no water is leaking out. The dual zone models are separate zones each with their own pack, heater, control. Follow the connection, filling instructions for each zone.
7. Once the swim spa is filled turn the circuit breaker on. The spa will turn on and start the circulation pump.
8. It may be necessary to bleed air from the pump or pumps on your swim spa, if after start up your swim spa pumps do not operate. Due to the nature of water flow and hydrotherapy pumps, please be advised that air locking of pumps may occur. PDC Spas has taken measures to reduce the possibility of this, but it still may occur, especially after refilling a swim spa. This is not a service covered under warranty. To relieve an airlock situation, loosen the pump union on the discharge side of the pump. You may possibly hear air come out when union is loosened, after a few seconds tighten the union. Turn the pump on to see if proper jet flow has been achieved. If proper jet flow has not been achieved repeat process.
9. Open air regulators allowing maximum flow through jets assuring pump operation.
10. Refer to Waterway Neo 2100 Control section for heating, filtration cycles and function.
11. Adjust water chemistry according to the instructions provided in water chemistry guidelines section.
12. View current water temp on the control panel and set to desired level. Water will heat approximately 1– 2 degrees an hour. Times may vary.
13. Close cover to expedite heating and assure safety. Always keep the cover locked when not in use. Keep the keys in a safe place, out of the reach of children.

Winterizing the Swim Spa

Your swim spa has been designed to be used year-round and it is certainly suggested that you enjoy the many benefits of enjoying your purchase in any season. If you should decide to not use your swim spa during the winter months, it must be cared for properly to avoid damage. During those months of shut-down, we recommend the unit being checked periodically to assure no water is entering the unit causing potential freezing resulting in damage. Your warranty does not cover this type of damage, both structural and operational. **Winterizing must be done before prior to atmosphere freezing temperatures.**

1. Turn off at circuit breaker, open air controls and jets, drain completely using drain valve and sump pump if needed. Remove all water as even a low level remaining in the spa shell can freeze drains and cause unwarranted damage.
2. Remove filter cartridges and all cabinet panels to access equipment.
3. Loosen pump unions and winterizing plug from face of pump. Replace plugs after all water has been cleared from the unit.
4. Use a shop vac in blowing mode to remove all water from return and suction lines.
5. Use the wet vacuum to pull all water from jets. You may choose to use a non-toxic RV type anti-freeze to assure freeze prevention and remove ALL prior to next use.
6. Replace all cabinet panels.
7. Cover the unit with the thermal cover, lock in place. Considerable snow accumulation may break the cover, remove snow as necessary. It is recommended to wrap the unit with a tarp to prevent outside moisture from entering the unit.

Storing the Swim Spa

Always use the thermal cover! The swim spa shell is to never be unprotected and uninsulated during storage. Thermal cover and cabinet side panels must be in place. Never use a clear plastic wrap or it's like to cover / wrap the unit. Never leave unprotected in direct sunlight as it can damage the acrylic and fittings, not covered under warranty. The unit, even when winterized, must have the thermal cover in place and locked. During times of storage, infrequent use or winterization, the cover must be in place and locked.

A good general rule is to visually inspect your swim spa and equipment area frequently. If anything looks broken, worn, or incorrect, contact your electrician or spa retailer. A simple repair may prevent an injury or more serious problems requiring expensive repairs. If your swim spa is not operating, check the following:

1. Nothing on the swim spa operates

Check power source G.F.C.I. breaker. (or equivalent)
Check to assure spa has dedicated circuit.
Check the "test" and "reset" buttons on G.F.C.I. (or equivalent)
Check internal fuses.
Review control panel for any error code. Refer to that section of this manual.

2. Hydraulic propulsion not operating

Low oil. Contact service center prior to operating system..

3. Pump does not work

Check all items above.
Check filter; clean or replace cartridge.
Check for blockages (restrictions) at suctions, skimmer and pump.
Push "pump" button(s) to check if high speed is functioning, on a dual-speed pump.

4. Inadequate jet action

Make sure jets are turned on.
Make sure air controls are open.
Check for restrictions (blockages) in jets and/or main skimmer and pump.
Check water level.
Push "pump" button(s) to check if high speed is functioning on a dual-speed pump.
Check to be sure the diverter valve is in center position.
Check for dirty filters and change if necessary.

5. Water is too hot

During periods of warm weather, it is possible a prolonged filter cycle may cause the spa temperatures to creep above the set point due to the efficient thermal quality of the unit. Should this occur, it is recommended to set your filter cycle or cycles to operate between the hours of 8PM-10AM to avoid pump operation during the warmer times of day. This will help limit the temperature gain.

Should the water temperature be above the desired set point, there are actions that can be taken to reduce the temperature:

Remove the spa cover during the cooler evening out side temperatures.
Drain an amount of spa water and replace with cold water.

Should the spa water reach 110°F, all of the spa pumps will automatically turn off until the water temperature returns below 108°F and "The water is too hot" will be displayed on the spa side panel. Once the spa water temperature returns to below the 108°F, the spa pumps will auto reset.

5. No heat

Check all steps under part "1".
Check temperature settings.
Check for clogged filter element and other restrictions.
Check water level.
Check if pump is running.

6. No light

Check “light” button.
Check G.F.C.I. (or equivalent) “test” and “reset” buttons.

7. Water is cloudy

Increase circulation cycle.
Test water chemistry.
Clean/replace filter cartridge.

8. GFCI or equivalent is tripping

A ground fault circuit interrupter (GFCI) is required by the National Electric Code for your protection. The tripping of the GFCI may be caused by a component on the spa or by an electrical problem. Electrical problems include although are not limited to, a faulty GFCI breaker, spa component, power fluctuations, or improper wiring. If this is a new electrical service and GFCI installation, and is instantly tripping the GFCI, this may likely be caused by improper wiring of the neutral from the spa to the GFCI. Contact a qualified technician to rectify the problem.

If above checks do not solve the problem, contact a qualified service technician.

	Date	Date	Date	Date	Date	Date	Date
Test GFCI							
Test GFCI							
Test GFCI							
Test GFCI							
Change All Suction Fittings (every 7 years)							
Clean and Drain Swim Spa							
Change / Clean Filter							
Clean / Condition Cover							
Miscellaneous							
Miscellaneous							

	Date	Date	Date	Date	Date	Date	Date
Test GFCI							
Test GFCI							
Test GFCI							
Test GFCI							
Change All Suction Fittings (every 7 years)							
Clean and Drain Swim Spa							
Change / Clean Filter							
Clean / Condition Cover							
Miscellaneous							
Miscellaneous							

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Clean / Condition Cover							
Miscellaneous							
Miscellaneous							

PDC® Spas

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