Jacuzzi®

Swim Spas

- J-13™ - PowerPlay™
- J-14™ - Power Active™
- J-14™ - Power Pro®
- J-16™ - PowerActive™
- J-16™ - PowerPro®
- J-19™ - PowerActive™
- J-19™ - PowerPro®
- J-19DT™ - Power Active™
- J-19DT™ - Power Pro®

JACUZZI® SWIM SPA COLLECTION

2025 OWNER'S MANUAL

Attention New Swim Spa Owner

Congratulations on the purchase of your new Jacuzzi® swim spa. The following is a list of automated functions performed by your swim spa. These functions are listed below in an attempt to suppress any operational concerns you may have during the first 24 hours of ownership. Also listed below are important maintenance recommendations you should observe on a regular basis to protect your new investment.

Maintain Healthy Swim Spa Water

Always maintain your swim spa's water chemistry within the following parameters:

	With CLEARRAY® ACTIVE OXYGEN	Without CLEARRAY® ACTIVE OXYGEN
pH	**7.4—7.6**	**7.4—7.6**
Free chlorine	**No less than 1.0 ppm**	**3.0—4.0 ppm**
Free bromine	**No less than 1.0 ppm**	**2.0—4.0 ppm**
Total Alkalinity	**100—150 ppm**	**100—150 ppm**
Calcium Hardness	**150—250 ppm**	**150—250 ppm**

IMPORTANT: CLEAR**RAY® ACTIVE OXYGEN** Water Management System is factory installed. If the CLEAR**RAY® ACTIVE OXYGEN** system is altered or is not operating efficiently then follow the "without CLEAR**RAY® ACTIVE OXYGEN** water chemistry parameters as defined by the Association of Pool and Spa Professionals. CLEAR**RAY® ACTIVE OXYGEN** requires an annual bulb replacement to operate properly.

TO DECREASE RISK OF INFECTION OR DISEASE! Always maintain your spa filters as outlined below to ensure healthy spa water.

Required Filters Maintenance

Your new swim spa is equipped with an advanced water filtration system that provides unsurpassed water quality! To ensure maximum water quality at all times, you should clean the skimming filter cartridge every 3 months, or as necessary.

Required Water Replacement

You should replace the swim spa's water every 3 months. The frequency depends on a number of variables including frequency of use, number of users and attention paid to water quality maintenance. You will know it is time for a change when you cannot control sudsing and/or you can no longer get the normal feel or sparkle to the water, even though the key water balance measurements are within the proper parameters.

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1.0 Important Swim Spa Owner Information

Your Jacuzzi® Swim Spa is constructed to the highest standards and is capable of providing many years of trouble-free use. However, because heat retentive materials are utilized to insulate the swim spa for efficient operation, an uncovered swim spa surface and wall fittings directly exposed to sunlight and high temperatures for an extended period are subject to permanent damage or discoloration. Damage caused by exposing the swim spa to this abuse is not covered under warranty. We recommend that you always keep the swim spa full of water when it is exposed to direct sunlight and that you keep the Jacuzzi® insulating cover in place at all times when the swim spa is not in use. Read and carefully follow the requirements for your swim spa's support base found in Section 4.0 titled, "Choosing a Location".

Jacuzzi® swim spas constantly strives to offer the finest swim spas available, therefore, modifications and enhancements may be made which affect the specifications, illustrations and/or instructions contained herein.

2.0 WARNINGS

Jacuzzi® declines all liability for damages arising from failure to observe the following directions.

For periodic filling, if you decide to connect the swim spa hydraulic circuit to the public water system that supplies drinking water, this connection must be carried out in compliance with the EN1717 norm, using "AA", "AB" or "AD" anti-pollution protection procedures. For further information, we recommend you contact your water supply company and/or your plumber.
Do not connect the swim spa to the hydraulic system using hoses used to water the garden.

CAUTION: Before preparing the drainage system for connecting the swim spa, consult the local authorities about regulations for the disposal of chemically-treated water.

In areas where winter temperatures frequently drop below 32°F (0°C), during the period when the swim spa is not in use, it is recommended to completely empty the system (swim spa, compensation tanks, pipes, filter).

In areas where temperatures drop below 32°F (0°C) only occasionally, the swim spa can be kept in operation as it includes a "freeze protection" feature that guarantees the maintenance of a minimum water temperature.

In case of long periods of inactivity, it is advisable to fully drain the system. Periodic drainage, during normal use, varies depending on the frequency of use, the contaminants and the type of installation. Even if not used particularly frequently, you should change the water every three months.

Prolonged sun exposure could damage the material of which the swim spa shell is made, due to its capacity to absorb heat (dark colours in particular). Do not leave the swim spa exposed to the sun without adequate protection when not in use (thermal cover, gazebo, etc.). Any damage resulting from failure to observe these warnings are not covered by the product warranty.

Live components and equipment (except those powered at very low voltage not exceeding 12V) must be out of reach of individuals in the swim spa.

Jacuzzi® Swim Spas are class “1” appliances and must therefore be permanently connected, without intermediate junctions, to the electrical network and to the protection circuit (grounding system).

Parts containing electrical components, with the exception of remote control devices, must be positioned or fixed so that they cannot fall into the swim spa.

The appliance must be powered by means of a differential switch with operating current which does not exceed 30mA.

The installer must use cables with a suitable cross-section with minimum characteristics equivalent to type H 05 VV-F. Please refer to the corresponding section.

For the equipotential connection of the appliance the installer must use the terminal provided and identified by the ground symbol. Please refer to the corresponding section. It is imperative to build a support base adequate to the load of the swim spa.

It is imperative to provide a drainage system for accidental water spills. Please refer to the corresponding section.

For connection to the supply network, we recommend installing an isolating multi-pole switch, which will ensure complete disconnection in the event of a category III over-voltage; these devices must be placed in an area that complies with the safety regulations.

CAUTION! Before carrying out any maintenance operations, disconnect the appliance from the power supply line.

CAUTION: The pressure of the hydraulic system that supplies the equipment must not exceed 600 kPa (6 bar) and, in case water is supplied through solenoid valve(s) (eg. Balance tank) the pressure must have a minimum value of 35 kPa (0.35 bar).

This equipment may be used by children above the age of 8 or individuals with reduced mobility, sensory and/or cognitive abilities only if supervised and only if they have the knowledge necessary to use the equipment safely, as well as to understand the dangers arising from improper use.

Children must be supervised to make sure they do not play with the equipment and do not carry out operations to be performed by adults and/or specialized personnel (maintenance, cleaning operations, etc.).

Do not use water with temperatures exceeding 104°F (40°C).

Tolerance to hot water varies from person to person. Pregnant women and small children must not use the swim spa without first consulting a doctor and, in any case, the water temperature must be less than 100°F (38°C).

Be very careful when using the swim spa alone. Prolonged immersion in warm water may cause nausea, dizziness and fainting. If you intend to use the swim spa for more than 10-15 minutes, a lower water temperature must be set. This also applies to children.

CAUTION: Do not sit, walk or lie on the cover. Do not place objects on it.

CAUTION: Only “load bearing” covers are designed to support weights (MAX 440 lbs / 200 kg), but they should not be subjected to sudden and strong forces (jumps, etc.). Do not sit, walk or lie down on other types of covers (non-load bearing); do not store objects on top of the cover.

In order to avoid accidental falls in the swim spa, we recommend that the locking system supplied with the insulating cover is installed.

Persons with heart conditions, diabetes, high or low blood pressure or health problems must not use the swim spa without first consulting their doctor.

People with infectious diseases should not use the swim spa without first consulting their doctor.

Do not use the swim spa after drinking alcohol, taking drugs or medication that cause drowsiness or that can raise/lower the blood pressure.
Do not use the swim spa in extreme weather conditions (during storms etc.).

Persons under medical care must consult a doctor before using the swim spa, as some medications can cause drowsiness, affect heartbeat, blood pressure and circulation.

Be very careful when getting in and out of the swim spa. All surfaces are slippery when wet.

When using the swim spa, do not use objects that can break or that are fragile.

When using the swim spa, you must keep your head, body and clothes at a distance of at least 15 3/4” (40 cm) from the suction intakes; long hair must be tied back and secured in place. Do not use electrical appliances (radios, hair dryers) near the swim spa if it is not empty.

Do not remove the protective grilles from the suction intakes. Do not turn on the swim spa if the protective grilles are broken or missing; in this case, contact an authorized Jacuzzi® dealer or an authorized Service Centre for replacement.

Prolonged sun exposure could damage the material of which the swim spa shell is made, due to its capacity to absorb heat (dark colours in particular) . Do not leave the swim spa exposed to the sun without adequate protection when not in use (thermal cover, gazebo, etc.). Any damage resulting from failure to observe these warnings are not covered by the product warranty.

For all operations and maintenance of the swim spa, please refer to this manual and, where indicated, contact an authorized Jacuzzi® service center.

Please refer to the Jacuzzi® system water treatment guide and the relative catalog for details on water quality maintenance, the relative methods and instructions of use of chemical products. Where indicated, contact an authorized Jacuzzi® service center.

3.0 Important Safety Instructions for all Swim Spa Owners.

READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY!

This swim spa was manufactured to meet the standards and specifications outlined in the "Virginia Graeme Baker Pool and Spa Safety Act" (VGB Safety Act). When installing and using this swim spa, basic safety precautions should always be followed, including:

DANGER: RISK OF SEVERE INJURY OR DROWNING!

- Use the straps and clip tie downs to secure the swim spa cover when not in use. This will help discourage unsupervised children from entering the swim spa. Keep the cover secure in high wind conditions.
- There is no representation that the cover, clip tie downs, or actual locks will prevent access to the swim spa.
- Never operate or use the spa if the filter, filter lid, or skimmer assembly are broken or any part of the skimmer assembly is missing. Please contact your dealer or nearest service center for service.
- Never replace a suction fitting or suction cover with one rated less than the flow rate marked on the original suction fitting. Using improper suction fittings or suction covers can create a body or hair suction entrapment hazard that may lead to drowning or severe injury.

DANGER: RISK OF SEVERE INJURY FROM ELECTRIC SHOCK OR DEATH FROM ELECTROCUTION!

- Never operate any electrical appliance from inside the swim spa or when you are wet.

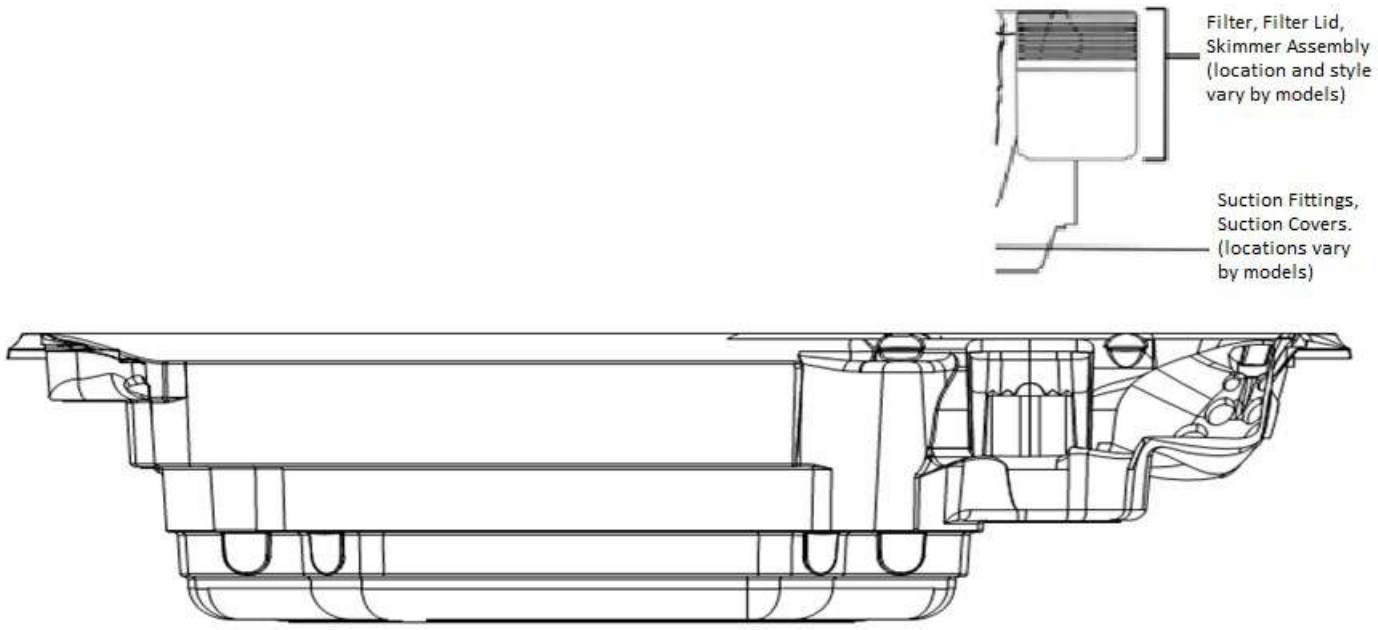
WARNING: RISK OF SEVERE INJURY OR DEATH!

- Extreme caution must be exercised to prevent diving or jumping into the swim spa or slipping and falling, which could result in unconsciousness, drowning, or serious injury. Remember that wet surfaces can be very slippery.
- Never stand, walk or sit on the top railing of the swim spa. Always test the swim spa water temperature before entering the 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 +/- 5°F (2°C).
- If you experience breathing difficulties in association with using or operating your swim spa, discontinue use and consult your physician.
- Never use a swim spa immediately following strenuous exercise. Enter and exit the swim spa slowly. Wet surfaces can be slippery.
- To reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments, maintain water chemistry within the parameters listed on the inside cover of this manual and consult with a licensed engineer regarding proper ventilation if installed indoors or in an enclosed area.
- Always shower before and after using your swim spa. Maintain water chemistry in accordance with manufacturer's instructions. Failure to do so may result in contracting a waterborne illness (e.g. an infection, bacteria or virus)

WARNING: In addition to maintenance of filters and water chemistry, proper ventilation is recommended to reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments that could be present in the air or water. Consult a licensed architect or building contractor to determine your specific needs if installing your swim spa indoors.

- Maintain water chemistry in accordance with manufacturer's instructions.
- Proper chemical maintenance of swim spa water is necessary to maintain safe water and prevent possible damage to swim spa components.

NOTE: This swim spa is not intended nor designed to be used in commercial or public applications. The buyer shall determine whether there are any code restrictions on the use or installation of this swim spa since local code requirements vary from one locality to another.



A Warning Sign is provided in your warranty packet. Please install at a location near your swim spa, where it is visible to users of the swim spa. For additional or replacement Warning Signs please contact your local Jacuzzi® dealer.

3.1 Important Safety Instructions

When using this electrical equipment, basic safety precautions should always be followed, including the following:

1. **READ AND FOLLOW ALL INSTRUCTIONS.**
2. A green colored terminal or a terminal marked G, Gr, Ground, Grounding or the symbol is located inside the supply terminal box or compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors that supply this equipment.
3. At least two lugs marked “Bonding Lugs” are provided on the external surface or on the inside of the supply terminal box/compartment. For the equipotential connection as required by specific national standards, the installer must use the above terminals (standard EN 60335.2.60). In particular, an equipotential condition must be established for all metallic masses surrounding the spa, for example water and gas pipes, metallic platforms, and so on.
4. **CONTAINING SODIUM BROMIDE:** Do not use any product containing Sodium Bromide with an electrolysis device (for example, a chlorine generator). Do not use any product containing Sodium Bromide with ozonation or ultraviolet (UV).
5. **SAVE THESE INSTRUCTIONS**.

4.0 Choosing a Location

IMPORTANT: Because of the combined weight of the swim spa, water and users, it is extremely important that the base upon which the swim spa rests be smooth, flat, level and capable of uniformly supporting 28,951 lbs.ft^2 (1220 kg/m^2), without shifting or settling, for the entire time the swim spa is in place. If the swim spa is placed on a surface, which does not meet these requirements, damage to the skirt and/or the swim spa shell may result. Damage caused by improper support is not covered under warranty. It is the responsibility of the swim spa owner to ensure the integrity of the support at all times. We recommend a poured, reinforced concrete slab with a minimum thickness of 4 inches (10 cm). Wood decking is also acceptable provided it is constructed so that it meets the requirements outlined above.

WARNING: For swim spas that are to rest on roofs or other platforms not specifically tied into main structural supports, consult a professional Structural Engineer with experience in this type of application.

The swim spa must be installed in such a manner as to provide drainage away from it. Placing the swim spa in a depression without provisions for proper drainage could allow rain, overflow and other casual water to flood the equipment and create a wet location in which it would sit in. For swim spas which will be recessed into a floor or deck, install so as to permit access to the equipment, either from above or below, for servicing. Make certain that there are no obstructions, which would prevent removal of all cabinet side panels and access to the jet components, especially on the side with the equipment bay.

CAUTION: If the swim spa is indoors or located in an enclosed area, proper ventilation should be discussed with an Engineer or authority competent enough to understand the necessary provisions needed to vent moist or heated air associated with chemical odors outdoors. **When the swim spa is in use considerable amounts of moisture will escape potentially causing mold and mildew. This can cause health risk**. Over time, this can damage certain surfaces, surroundings and equipment.

4.1 Outdoor Location

In selecting the ideal outdoor location for your swim spa, we suggest that you take into consideration:

- The proximity to changing area and shelter (especially in colder weather).
- The pathway to and from your swim spa (this should be free of debris so that dirt and leaves are not easily tracked into the swim spa).
- The closeness to trees and shrubbery (remember that leaves and birds could create extra work in keeping the swim spa clean).
- A sheltered environment (less wind and weather exposure can result in lowered operation and maintenance costs).
- The overall enhancement of your environment. It is preferable not to place the swim spa under an unguttered roof overhang since run-off water will shorten the life expectancy of the swim spa cover.
- For swim spas that are to rest on roofs or other platforms not specifically tied into main structural support, consult a professional Structural Engineer with experience in this type of application.
- In the unlikely event that you should ever need to access or gain entry to any portion of the swim spa for servicing, it is highly recommended that you plan your outdoor installation to provide full access to the entire swim spa. Please take this into consideration when placing the swim spa in a deck or enclosed by a surrounding.

- Consider locating your swim spa away from any reflective surface or glass to prevent any damage to the synthetic cabinetry.
- When possible, do not shim the swim spa. To ensure proper support the swim spa must sit flat on the intended foundation.

4.2 Indoor Location

For indoor installations many factors need to be considered before installing a spa indoors.

WARNING: In addition to maintenance of filters and water chemistry, proper ventilation is recommended to reduce the risk of contracting waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments that could be present in the air or water. Consult a licensed architect or building contractor to determine your specific needs if installing your swim spa indoors.

- **Proper Foundation: Consult a Structural Engineer when considering a foundation that will adequately support the swim spa the entire time it is in place.** Proper support is critical especially if the spa is to rest on a second story or higher. For swim spas that are to rest on roofs or other platforms not specifically tied into the main structural support, you should consult a professional Structural Engineer with experience in this type of application.
- **Proper Drainage: It is extremely important to have in place measures to sufficiently handle excessive water spillage.** Be sure the flooring in which the swim spa rests on has adequate drainage and can handle the entire contents of the swim spa. Be sure to make provisions for ceilings and other structures that may be below the swim spas installation. Areas around your swim spa can become wet or moist so all flooring and subsequent furniture, walls and adjacent structures should be able to withstand or resist water and moisture.
- **Proper Ventilation: Proper ventilation should be discussed with an Engineer or authority competent enough to understand the necessary provisions needed to vent moist or heated air and air associated with chemical odors outdoors.** When the swim spa is in use considerable amounts of moisture will escape, potentially causing mold and mildew over time, which can damage certain surfaces and/or surroundings.
- **Sufficient Access:** In the likely event that you should ever need to access or gain entry to any portion of the swim spa for servicing, it is highly recommended that you plan your indoor installation to provide full access to the entire swim spa.

- **Warranty:** Damage caused by not following these guidelines or any improper installation not in accordance to local codes or authorities is not covered under the swim spas warranty. Please consult your local state or city building ordinances.
- **When possible, do not shim the swim spa**. To ensure proper support the swim spa must sit flat on the intended foundation.

5.0 General Electrical Safety Instructions

Your new Jacuzzi® swim spa is equipped with the ProTouch™ keypad control system. It contains the most advanced safety and self-protective equipment in the industry. Nonetheless, this swim spa must be installed properly to ensure dependable usage. Please contact your local Jacuzzi® dealer or local building department should you have any questions regarding your installation.

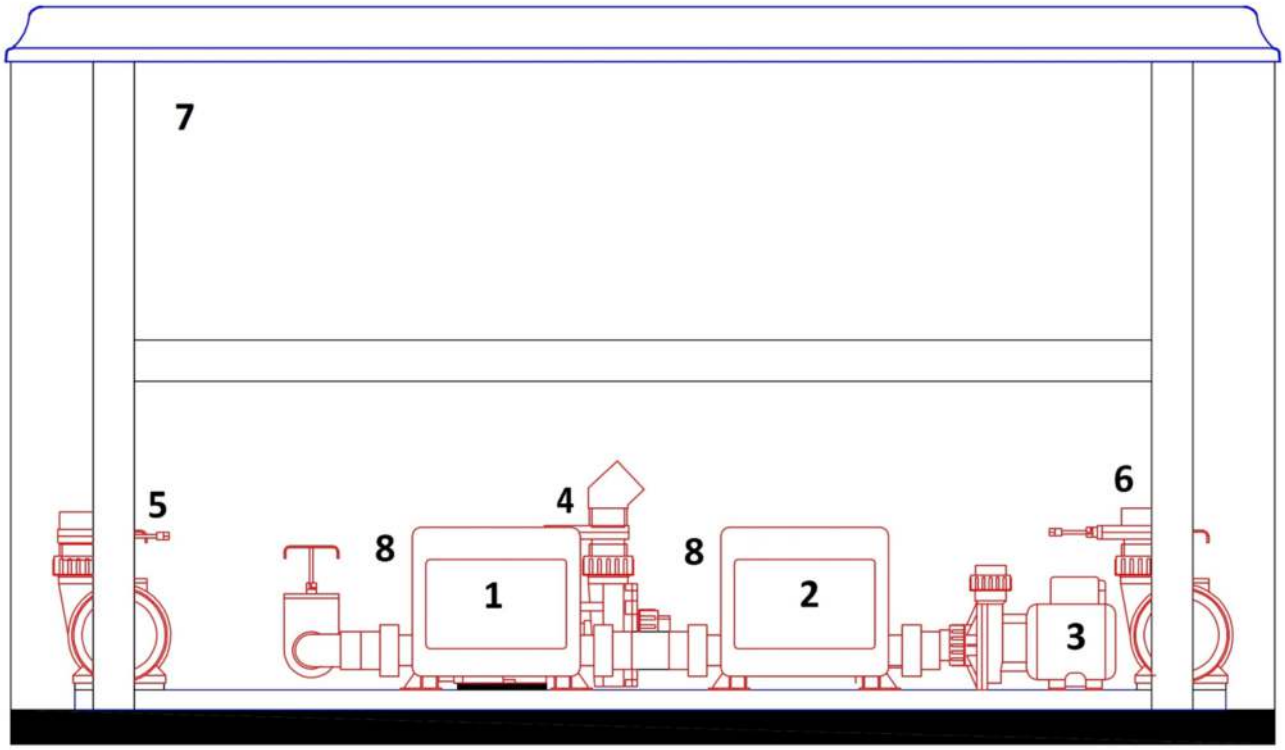
6.0 Electrical Installation Instructions (230V / 240V Service)

IMPORTANT NOTICE: The electrical wiring of this swim spa must meet the requirements of any applicable local codes. The circuit must be installed by a qualified electrician and approved by a local building/electrical inspection authority.

It is the responsibility of the installer to select materials based on their intended use, to carry out work properly, to check the condition of the system that the unit will be connected to and that it ensures safety of use also concerning maintenance work and the possibility to examine the system.

1. The Jacuzzi® Swim Spas are class "1" appliances and therefore they must be permanently connected, without any intermediate connections, to the electrical system and to the protection system (earth system).
2. The power supplied to this swim spa must be a dedicated circuit with no other appliances or lights sharing the power provided by the circuit.
3. The installer must use cables with a suitable cross-section.
4. For connection to the power supply network, we recommend installing an isolating multi-pole switch, which will ensure complete disconnection in the event of a category III over-voltage; these devices must be positioned in an area that complies with the safety regulations.
5. The electrical system of the building must be provided with a 0.03A differential switch and with an efficient protection (earth) circuit. Check for proper operation of the differential switch by pressing the TEST button, which should trip.
6. The electrical circuit supplied for the swim spa must include a suitable ground fault circuit interrupter (GFCI) as required by NEC Article 680-42/USA.
7. To gain access to the swim spa's power terminal block, pull the bottom of the door panel to break the magnetic lock of the door to the frame. Place the door panel in a safe location to prevent damage.
8. Select the power supply entrance you want to use, Figure A. Make sure to install a 3/4" electrical fitting and conduit through the large opening provided in the side of the control box so you can feed the cable through to the terminal block.
9. Connect wires to the terminal block (Figures B-C). **ALL WIRES MUST BE SECURELY CONNECTED** or equipment damage could result!
10. Install the door panel back into place.

FIGURE 1
EQUIPMENT AREA



1. **Main**
2. **Auxiliary heater (optional on all models)**
3. **Pump 1**
4. **Pump 2**
5. **Pump 3 (PowerPro® only)**
6. **Pump 4 (PowerPro® only)**
7. CLEAR**RAY® ACTIVE OXYGEN Water Management System**
8. **Power Supply Entrance**

Note: Equipment location and quantity (such as pumps, CLEAR**RAY ® ACTIVE OXYGEN system, heater etc.) varies by model.**

7.0 Power Requirements

Jacuzzi® swim spas are designed to provide optimum performance and flexibility of use when connected to their maximum electrical service. They are configured at the factory. The most common electrical connections are listed below.

	NORTH AMERICAN MODELS (60 Hz)	EUROPEAN MODELS (50 Hz)
VOLTAGE	**240VAC**	**230VAC**
Frequency (Hz)	**60**	**50**
Number of wires	**4**	**3**
RATINGS	**GFCI**	**RCD**
PowerPlay™ Series	**50**	**40**
PowerActive™ Series	**50**	**40**
PowerPro® Series	**60**	**40**

8.0 Swim Spa Fill Up Procedure

For best results, read each step in its entirety before proceeding with this procedure. Make sure that all drains and drain plugs are closed.

1. **Prepare the Swim Spa for Filling**
   - Clear all debris from the swim spa (Although the swim spa shell has been polished at the factory, you may want to treat it with a specially formulated spa cleaner.) Consult your authorized Jacuzzi® dealer for additional information prior to filling.
   - Remove both filters, skimmer, polishing filter lids and filters.
2. **Fill Swim Spa**
   - Place the end of your garden hose into empty skimming filter fitting as you stand next to the swim spa. Fill swim spa half way, then place the garden hose into the opposite filter fitting while adding the remaining fill water.

CAUTION: TO DECREASE BUILD UP ON COMPONENTS AND MINIMIZE ACRYLIC DAMAGE.

Never fill with water from a water softener. If your water is extremely “hard”, it is preferable to fill half-way with hard water and the rest of the way with softened water. Water that is too soft can be corrosive to metal components.

WARNING: TO DECREASE RISK OF INFECTION AND DISEASE.

Fill the swim spa with clean tap water from garden hose, to reduce the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments. Fill until water covers all the jets but does not touch the bottom of the lowest headrest **(DO NOT OVERFILL!).**

IMPORTANT: Always fill your swim spa through both filter fittings after draining. Failure to do so may cause air to be trapped in the pumps, preventing the pumps from circulating water. Remove the hose and replace both filter cartridges as illustrated in Section 13.1.

3. **Turn On Power**
   Turn on the power to the swim spa at the home's circuit breaker. The heater and filter/circulation pump will automatically activate. Normally, at the initial fill, the water tends to be cold.
4. **Activate Jet Pumps**
   Turn on jet pumps when adding chemicals in step 5 (see section 11.2)
5. **Add Start-Up Chemicals**
   Add the swim spa water chemicals as recommended by your authorized Jacuzzi® swim spa dealer. See section titled "Water Quality Maintenance" for general guidance.

WARNING: RISK OF POISONING OR DEATH.

Never leave chemicals opened and accessible to anyone. Use chemicals according to the vendor's instructions. Always store chemicals in a safe and/or locked location. Keep away from and out of reach of children.

6. **Establish a Stable Sanitizer Reading**
   Establish a stable sanitizer reading of no less than 2.0 ppm free bromine or no less than 1.0 ppm free chlorine. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended on the inside cover of this manual. If sanitizer levels cannot be stabilized, perform the decontamination procedure steps 9-15 on the following pages.

Note: The "Decontamination Procedure" should also be used after the swim spa has been "Winterized" (Section 13.8) or has been sitting without power for an extended period.

7. Set Swim Spa to Heat

To warm swim spa water to a comfortable temperature, follow these steps:

- The display on the control panel displays the actual temperature of the swim spa water. Tap the "+" or "-" to increase or decrease the water temperature in 1 degree increments.
- The heater will turn off 1°F (0.5°C) above the set temperature and turn on 2°F (1°C) below set temperature.

Note: The temperature range for the swim spa is 80 to 104°F (27 to 40°C). To activate the **Extended Temperature feature** that allows the swim spa to reach 106°F (41°C) refer to Section 15 "Error/Display Messages".

Important Heater Details:

- The maximum temperature for which the swim spa can be set is 104°F (40°C) and the minimum is 80°F (27°C).
- Setting the thermostat at maximum will not accelerate the heating process. This will only result in a higher ultimate temperature.
- The heater operates until the water reaches 1°F (0.5°C) degree above the programmed "set temperature", then turns off. The heater will reactivate after the water cools to approximately 2°F (1°C) below the "set temperature".

8. Place Cover on Swim Spa

- Keeping the insulating cover in place anytime the swim spa is not in use will reduce the time required for heating, thereby minimizing operating costs.
- The time required for initial heat-up will vary depending on the starting temperature.

DANGER: RISK OF PERSONAL INJURY.

Check water temperature carefully before entering swim spa! Excessive water temperature can cause burns, welts and body temperature to rise, hyperthermia (over-heating).

Decontaminating Procedure

Steps 1-8 below are only required when sanitizer levels are unstable after performing Swim Spa Fill Procedures 1-6. Disregard steps 9-15 below if sanitizer levels remain stable after performing steps 1-6 above (refer to the inside cover of the manual).

1. Add 2013 ounces (71 grams) of sodium dichlor for every 99 USG (378 litres) of water. Refer to the table below for approximate water fill volume by model.

CAUTION: RISK OF PERSONAL INJURY OR SWIM SPA DAMAGE!

Never add chlorine tablets (trichlor) or acid to your swim spa for any reason! These chemicals may damage components within your swim spa, burn or irritate your skin, create a rash, and void the manufacturer warranty for your swim spa.

Water Fill Volume by Model

Model	Average Fill Volume*	Sodium Dichlor
J13	1344 USG (5092 Litres)	963 grams
J14	1629 USG (6166 Litres)	1168 grams
J16	2012 USG (7620 Litres)	1442 grams
J19	2430 USG (9205 Litres)	1743 grams
J19DT	1865 USG (7066 Litres)	1338 grams

* Use average fill volume for chemical maintenance

2. Leave swim spa cover open during this step to allow excessive chemical vapours to exit the swim spa, protecting pillows and plastic knobs from chemical attack. If the swim spa is indoors, open doors and windows for proper ventilation. Turn on all swim spa jet pumps for one hour, open all air controls, and place all massage selector knob(s) in their center “combo” position.
   Note: You will need to activate the jet pumps every 15 minutes since these functions have an automatic 15 minute time-out that turns them off.

WARNING: RISK OF PERSONAL INJURY!

- To decrease the risk of injury, drowning or entrapment, never leave your swim spa unattended for any reason while the cover is open and accessible, especially to small children and animals.
- Precautions should be taken to minimize your exposure to chemical vapours (that could cause lung, brain, or skin damage).

3. Turn off power to the swim spa at the circuit breaker, then drain the swim spa as outlined in Section 13.2.
4. Refill the swim spa with clean tap water from the garden hose until water covers all jets but does not touch the bottom of the lowest headrest with all headrests in their lowest position (DO NOT OVERFILL!)

CAUTION: TO DECREASE BUILD UP ON COMPONENTS AND MINIMIZE ACRYLIC DAMAGE!

Never fill with water from a water softener. If your water is extremely "hard", it is preferable to fill half way with hard water and the rest of the way with softened water. Water that is too soft can be corrosive to metal components.

5. Consult your authorized Jacuzzi® dealer for chemical recommendations, then add chemicals to swim spa water to achieve a constant sanitizer reading within the levels recommended on the inside cover of this manual.
6. Turn on jet pumps when adding chemicals to ensure proper mixing and leave your swim spa cover open until the sanitizer level becomes stable to protect pillows and plastic knobs from chemical attack. Refer to the inside cover of this manual.

WARNING: RISK OF PERSONAL INJURY!

- To decrease the risk of injury, drowning or entrapment, never leave your swim spa unattended for any reason while the cover is open and accessible, especially to small children and animals.
- To decrease the possibility of contracting a waterborne illness (e.g. an infection, bacteria or virus) and/or respiratory ailments, maintain water chemistry within step 6 parameters. If you or other bathers experience such a condition, discontinue use and seek medical attention.

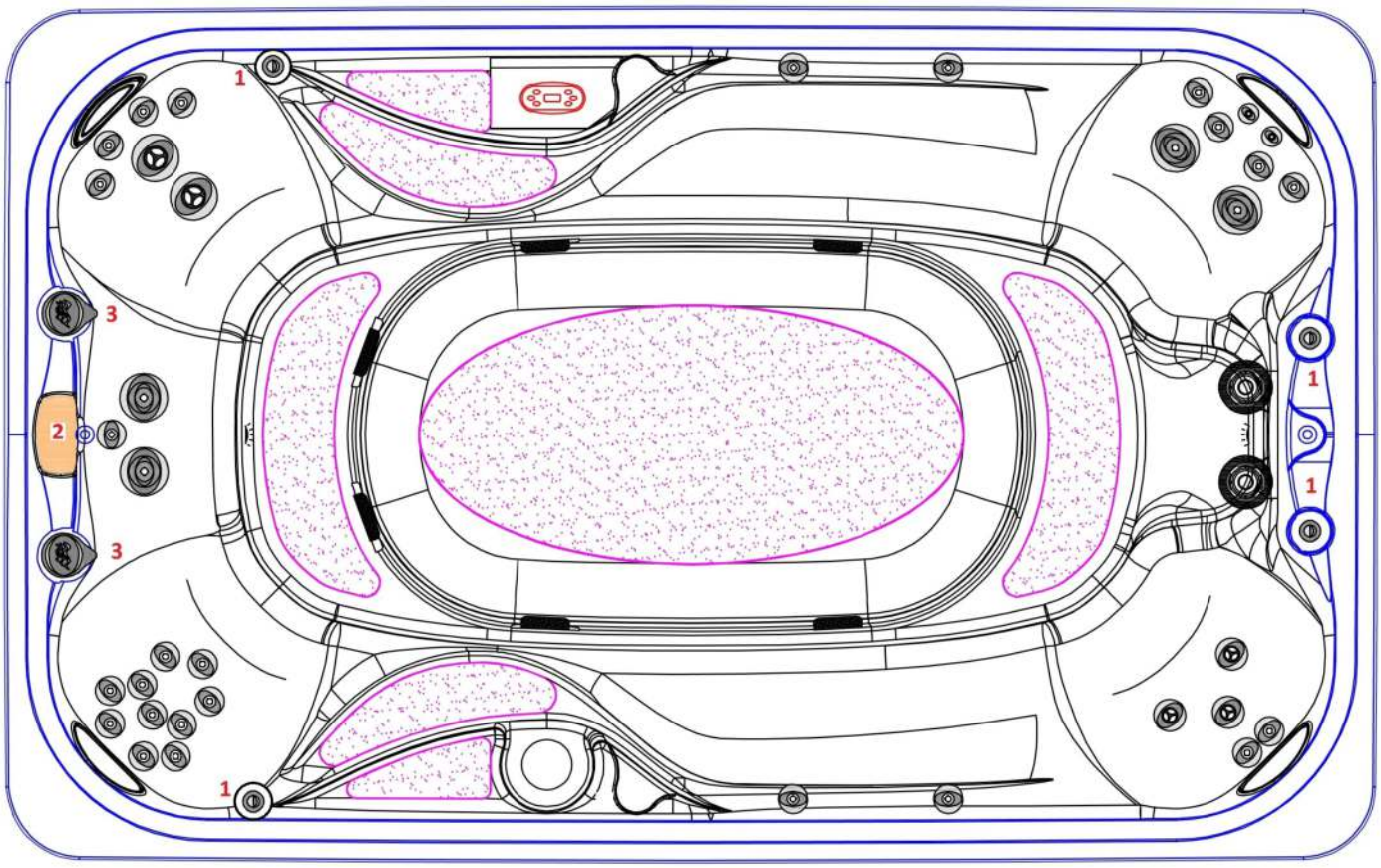
7. Establish a sanitizer reading no less than 1.0 ppm free chlorine or 2.0 ppm bromine, then allow the swim spa to set undisturbed for 8 hours. Retest water after 8 hours to determine if sanitizer levels are stable. If sanitizer levels are stable, your swim spa is ready for use. To ensure healthy water conditions, always maintain a constant sanitizer reading within the levels recommended on the inside cover of this manual. If sanitizer levels are not stable at this time, it will be necessary to repeat this procedure in its entirety until stable sanitizer readings are achieved.

IMPORTANT: If the CLEAR**RAY®** **ACTIVE OXYGEN** water management system is removed from the swim spa or is not operating effectively follow the "without CLEA**RAY®** **ACTIVE OXYGEN**" chemistry parameters as defined by the Association of Pool and Spa Professionals.

8. After adequate sanitizer levels are achieved, close all swim spa controls (including cascading jets, air controls and place diverter valves in their middle position) to maximize heat retention when the swim spa is not in use.

9.0 Swim Spa Features

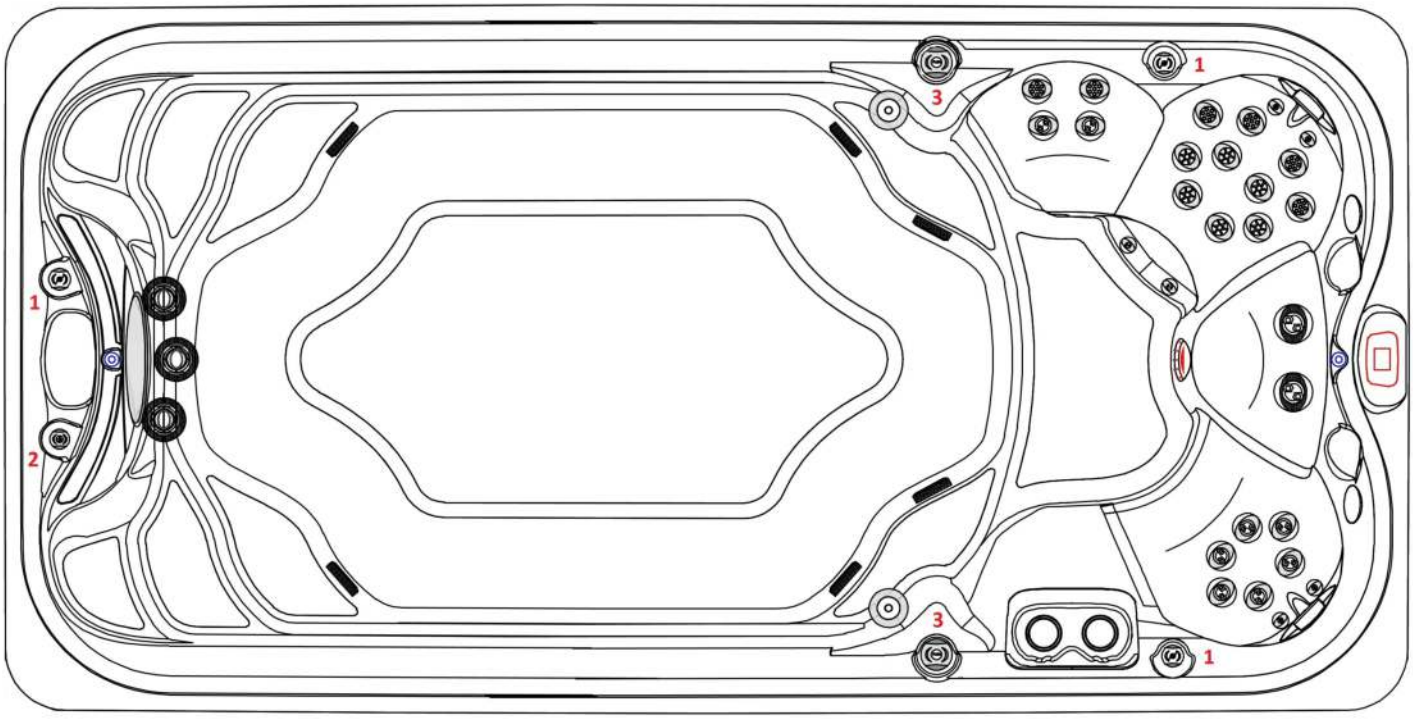
9.1 J-13™ PowerPlay™ Swim Spa Features



1. **Air controls (x4)**
2. **Waterfall (x1)**
3. **2” water diverter (x2)**

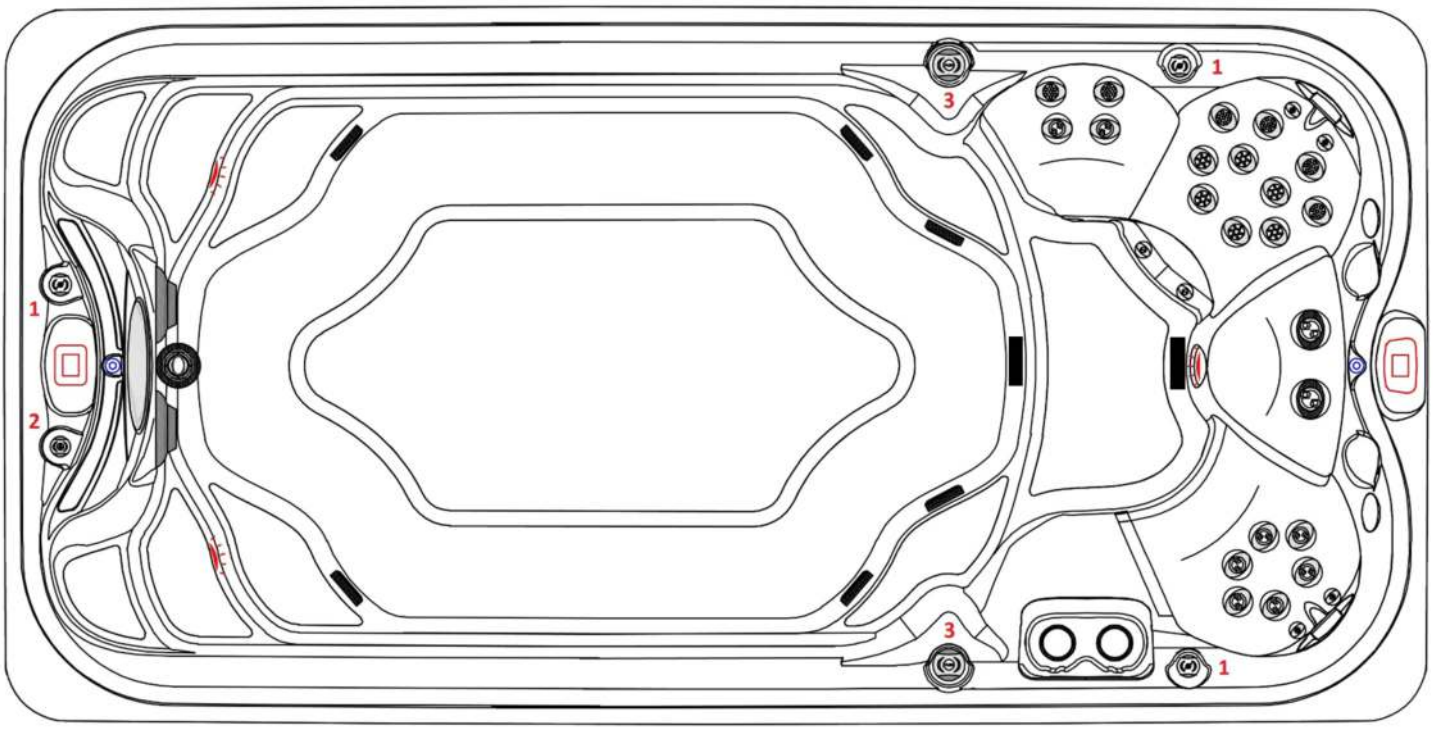
9.0 Swim Spa Features

9.2 PowerActive™ Swim Spa Features



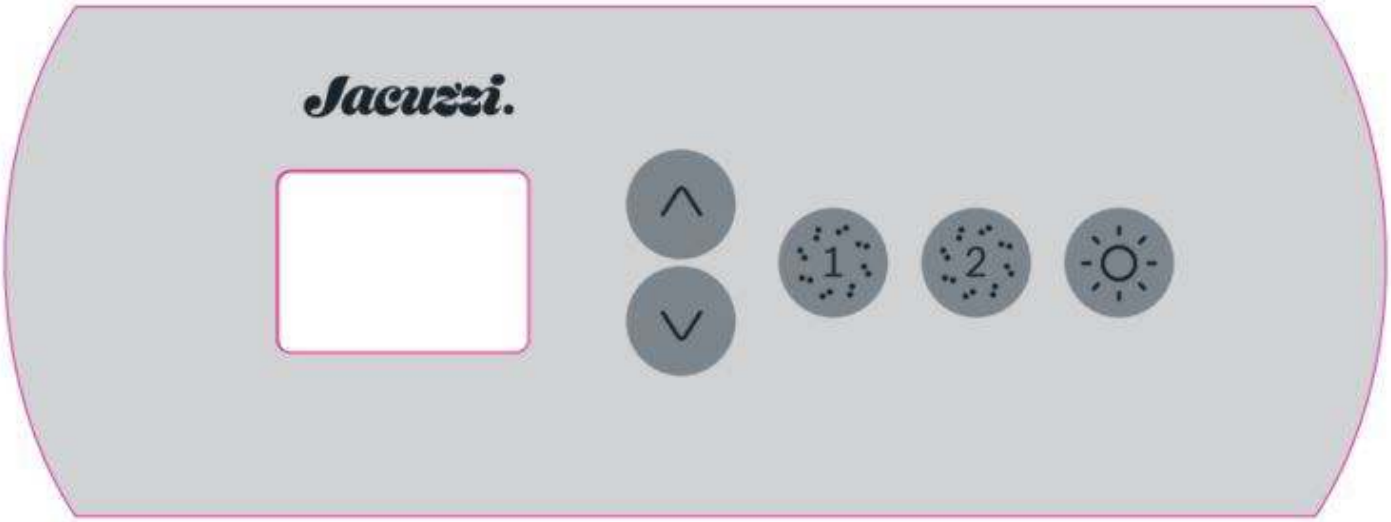
1. **Air controls (x3)**
2. **Wide sheet waterfall control (x1)**
3. **2” water diverter (x2)**

9.3 PowerPro® Swim Spa Features



1. **Air controls (x3)**
2. **Wide sheet waterfall control (x1)**
3. **2” water diverter (x2)**

10.0 J-13™ Swim Spa Operation



KEYPAD FUNCTIONS

JET 1 KEY WHICH CONTROLS PUMP 1

JET 2 KEY WHICH CONTROLS PUMP 2

JET 2 KEY WHICH CONTROLS PUMP 3

TEMP + KEY WHICH CONTROLS THE TEMPERATURE AND SCROLLS THROUGH THE MENUS

LIGHT KEY WHICH CONTROLS THE LIGHTING AND ACTIVATES THE LOW LEVEL PROGRAMMING

TEMP - KEY WHICH CONTROLS THE TEMPERATURE AND SCROLLS THROUGH THE MENUS

PROGRAMMING

INITIAL START-UP

Before applying voltage to power-up your hot tub, it is very important that you understand the sequence of events that occur when the system is activated in order that the pump(s) can be primed efficiently and damage to the system can be avoided.

PROGRAM MENU

The program menu is accessible by holding down the Light Key for 5 seconds. In the Program Menu the following parameters can be set: clock, filter or purge cycles, economy mode and temperature units. While in the program menu, use the Up and Down keys (Up/ Down Key) to adjust the parameters and the Light key to jump to the next parameter. The changes will be saved after the confirmation of the last parameter only. If there is no action taken for 10 seconds, the system will exit the program menu without saving any changes.

SETTING THE CLOCK TIME

Enter the program menu by holding down the Light Key for 5 seconds. The display will show the current clock setting with the hour flashing. Use the arrow keys to adjust the hour. Press the Light Key to adjust the minutes. Press the light key to jump to the next parameter or to the end of the parameters to save the time.

TEMPERATURE CONTROL FUNCTIONALITY AND ADJUSTMENT

After you exit the programming mode your hot tub will automatically heat to the factory preset default temperature of 38°C (100°F).

The temperature shown on the screen is the current water temperature. Use the UP and DOWN buttons to set the desired temperature.

The set point icon will appear at the top of the screen. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display.

STANDBY MODE

Pressing the JET key for 5 seconds will enable the Standby Mode. This mode allows you to stop all outputs including automatic functions such as the filter cycle, heat request and smart winter mode for 30 minutes to perform quick spa maintenance. When active, the display will toggle between the

PROGRAMMING (continued)

PROGRAMMING THE FILTER / PURGE CYCLES

The filter cycle menu consists of the following parameter: the start time (FS), the duration (Fd), and the frequency (FF).

NOTE: A filter cycle consists of starting all the pumps and blower (if equipped) in high speed for 1 minute (purge step) then the pump associated with the filter cycle will run in low speed for the remaining duration of the filter cycle (clean up step).

SETTING THE FILTER CYCLE

After you have programmed the clock, the next parameter is the filter cycle start time. The display will show FSxx, with “xx” representing the starting hour of the cycle. Use the arrow keys to adjust the hours. Use the Light Key to jump to the next parameter, filter duration (Fd).

The display will show Fdxx, with “xx” representing the duration in hours of the filter cycle. Use the arrow keys to adjust the duration. Use the Light Key to jump to the next parameter, filter frequency (FF).

The display will show FFxx, with “xx” representing the number of cycles per day. Use the arrow keys to adjust the frequency. Use the Light Key to jump to the next parameter, economy mode (EP)
This mode allows you to lower the temperature set point of the spa by 20F (11C) during a certain period of the day.

The display will show Epx, with “x” representing the state of the programming (0 = disabled, 1 = enabled). Use the arrow keys to enable or disable the economy mode. Use the light key to jump to the next parameter, economy start time (ES).

When the Economy mode in ON, the display will toggle between the “Eco” message, the time and the water temperature.

The display will show ESxx, with “xx” representing the hour at which the economy mode will become active. Use the arrow keys to adjust the hour. Use the Light Key to jump to the next parameter, economy duration (Ed).

PROGRAMMING (continued)

The display will show Edxx, with “xx” representing the duration in hours of the economy mode. Use the arrow keys to adjust the hour. Use the Light Key to jump to the next parameter, temperature unit.

Water temperature can be displayed in either Fahrenheit (^{o}F) or Celsius (^{o}C). The display will show ^{o}F or ^{o}C. Use the arrow keys to change the setting. Use the Light Key to save all the parameters.

SMART WINTER MODE

Smart Winter Mode protects your system from the cold by turning the pumps on several times a day to prevent water from freezing in the pipes. The Smart Winter Mode indicator turns on when in this mode of operation. If the temperature drops to 4°C (39°F) within the heater chamber, the system automatically activates the pump to provide freeze protection. The pump will operate until the temperature reaches 5°C (41°F) before returning to normal system mode.

PUMP 1 FUNCTION

Press this key to activate the pump

1st press - low speed
2nd press - high speed
3rd press - turns off

PUMP 2 AND 3 FUNCTION

Press this key to activate the pumps

1st press - pump 2 on high speed
2nd press - pump 3 on high speed
3rd press - pump 2 turns off
4th press - pump 3 turns off

PUMPS AUTOMATIC TIME-OUT

Time out – 30 minutes

LIGHT FUNCTION

Press this pad to activate the light

1st press: rotating colours
2nd press: solid blue colour
3rd press: solid green colour
4th press: solid red colour

Note: Pressing the light key in intervals less than five seconds will scroll to the next colour. Once you have selected the colour another press will turn the light off.

LIGHT AUTOMATIC TIME-OUT

Time out – 60 minutes

COOLING DOWN

After heating the spa water to the desired set point, the heater is turned off, but the filtration pump remains on for a certain amount of time to ensure adequate cooling of the heating element in order to prolong the useful life of the heater. The heater icon flashes during this time.

TOPSIDE PANEL DISPLAY MESSAGES

Hr - An internal hardware error has been detected

Prr - The Prr error message indicates a problem with the regulation probe. The system is constantly verifying if the temperature probe reading is within its normal limits.

HL - The water temperature at the heater has reached 119°F (48°C). **Do not enter spa water.**

FLO - The system did not detect any water flow while the filtration pump was running.

UPL - No low level configuration software has been downloaded into the system.

AOH - The temperature inside the spa skirt is too high, causing the internal temperature in the spa pack to increase above the normal limits.

OH - The water temperature in the spa has reached 108°F (42°C). **Do not enter spa water.**

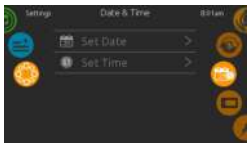
11.0 J-14™ / J-16™ / J-19™ / J-19DT™ Swim Spa Operation

INITIAL START-UP

Before applying voltage to power-up your hot tub, it is very important that you understand the sequence of events that occur when the system is activated in order that the pump(s) can be primed efficiently and damage to the system can be avoided.

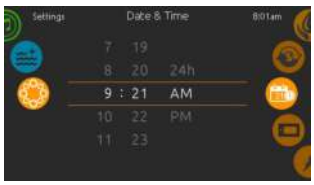
At initial power-up, the system will show the following screen.

The keypad does store the date and time for a limited time so when the system starts up after a loss of power it may be necessary to reprogram the time and date if the power down duration is greater than 48 hours.



PROGRAMMING THE DATE AND TIME

Here you can adjust the time format (AM/PM or 24h), day of the week and time. Use the icons to choose the setting that you want to adjust and select it by scrolling through the menu.



TEMPERATURE CONTROL FUNCTIONALITY AND ADJUSTMENT

After you exit the programming mode your hot tub will automatically heat to the factory preset default temperature of 38°C (100°F).

The temperature shown in white on the screen is the current water temperature. Use the UP and DOWN icon to set the desired temperature.

The set point will appear in blue on the screen. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display of messages.

When the set value is lower than the current temperature “Cooling to XX”F (”C)” will appear. When the value is set higher than the current temperature, “Heating to XX”F (”C)” will be indicated.

J-19DT™ SPA CONTROLS AND POWERACTIVE™ CONTROLS FOR J-14™ / J-16™ / J-19™ & J-19DT™

KEYPAD FUNCTIONS AND DISPLAY ICONS

SPA FUNCTION KEY

SETTINGS FUNCTION KEY

QUICK START / STOP KEY

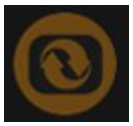
PUMP 1 FUNCTION KEY

PUMP 2 FUNCTION KEY

LIGHT FUNCTION KEY

TEMP UP KEY

TEMP DOWN KEY



INVERT DISPLAY KEY

DAY NIGHT CONTRAST

SLEEP MODE KEY

POWERPRO® CONTROLS FOR J-14™ / J-16™ / J-19™ & J-19DT™

KEYPAD FUNCTIONS AND DISPLAY ICONS

SPA FUNCTION KEY

SETTINGS FUNCTION KEY

QUICK START / STOP KEY

PUMP 1 FUNCTION KEY

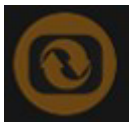
PUMP 2 FUNCTION KEY

PUMP 3 FUNCTION KEY

LIGHT FUNCTION KEY

TEMP UP KEY

TEMP DOWN KEY



INVERT DISPLAY KEY

DAY NIGHT CONTRAST

SLEEP MODE KEY

PROGRAMMING

PUMP 1 FUNCTION

Press this pad to activate the pump

1st press – low speed **(icon rotates slow)**
2nd press – high speed **(icon rotates fast)**
3rd press – turns off

PUMP AUTOMATIC TIME-OUT
Low and High speed – 15 minutes

PUMP 2 & 3 FUNCTION (if included)

Press this pad to activate the pump

1st press – high speed **(icon rotates fast)**
2nd press – turns off

PUMP AUTOMATIC TIME-OUT

High speed – 15 minutes

LIGHT FUNCTION

Press this pad to activate the light

1st press: rotating colours
2nd press: solid blue colour
3rd press: solid green colour
4th press: solid red colour

Note: Pressing the light key in intervals less than three seconds will scroll to the next colour. Once you have selected the colour another press will turn the light off.

LIGHT AUTOMATIC TIME-OUT

Time out – 60 minutes

SETTINGS KEY

From the home page you can access the Settings, where you will find:

- Water Care
- Maintenance
- Day & Time
- Keypad Settings
- Miscellaneous
- Electrical Configuration
- About

Use the icon keys to scroll up and down in the list. To select an option, press the text.

At any point you can press the Spa Function icon to return to the home screen.

WATER CARE

The Water Care section will help you set up your ideal filtration and heating settings. Choose from Away, Beginner, Energy Savings, Super Energy Savings and Weekender, depending on your needs.
Use the Light key to choose your setting. A checkmark will appear on the selected icon to confirm.
In Energy Savings mode, the set point will be reduced by 20°F (11°C), which means that the heating system will not be engaged unless the temperature falls to 20°F (11°C) below the spa's set temperature.

Water Care Modes:

Away:

In this mode the spa will always be in economy; the set point will be reduced by 20°F (11°C) and the filtration can be reduced.

Beginner:

The spa will never be in economy mode, and will run a normal 24 hours of filtration a day.

Energy Savings:

The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend.

Super Energy Savings:

The spa will always be in economy mode during peak hours, every day of the week.

Weekender:

The spa will be in economy mode from Monday to Friday, and will run normally on the weekend.

PROGRAMMING (continued)

MODIFYING SCHEDULES

To see and / or modify the Water Care category, use the Settings icon to open the selected Water Care menu.

Scroll through the menu to choose a schedule to modify (choice of economy and filtration schedules).

You have several possibilities for the schedule (Mon-Fri, weekend, every day, or single days). The schedules will be repeated every week. The time and duration are set in 30 minute increments. Once you have set the schedule, use Spa Function Icon to go back. Ensure that you have selected the desired Water Care option in the main Water Care menu.

The filtration schedule shown on the screen will apply to the main filtration pump. Your spa uses a circulation pump configured to run 24 hours by default and the screen will show you the purge setting instead of filtration. The purges are pre-programmed for a fixed number of minutes, therefore the duration will be set to N/A on the screen, and only the start time can be modified.

FILTERING

Your spa is equipped with a filtration pump that filters your water for 24 hours a day. If the water temperature exceeds the set temperature by 4°F (and set point is 95°F or higher) then this pump will shut off automatically until the temperature drops below the set point by approximately 1.5°F.

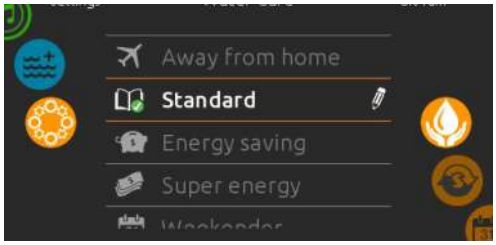
You can bypass the pack filtration over-temperature feature. When Warm weather is "Off", the filtration over-temperature is disabled. This feature allows the spa to continue filtering even through the water temperature is high.

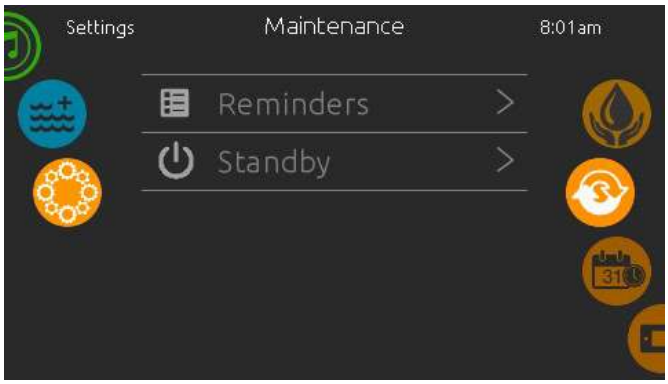
MAINTENANCE

From the Settings page you can access the Maintenance Menu, which gives you access to the following options:

- Maintenance reminders
- Standby

Press the text to make a selection.





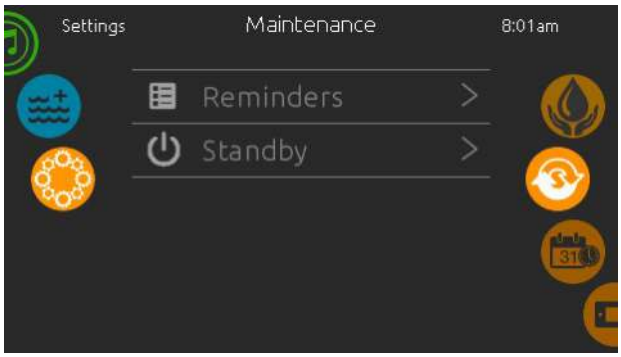
PROGRAMMING (continued)

MAINTENANCE REMINDERS

The in.k1000 keypad will remind you of maintenance required on your spa, like rinsing or cleaning the filter. Each task has its own duration, based on normal use.

The Maintenance Reminders menu allows you to verify the time left before maintenance is required, as well as to reset the time once a task is completed.

Scroll through the menu to move through the list.

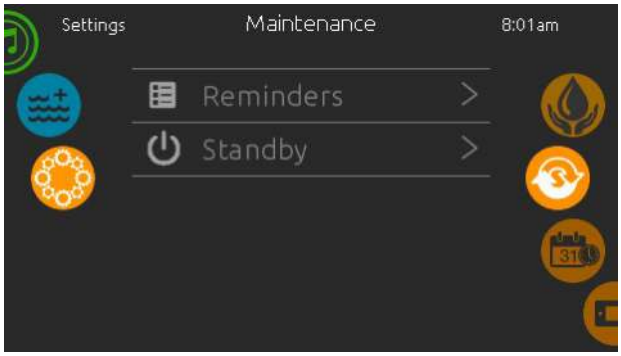


STANDBY

The Standby mode allows you to service your spa. Pumps will stop for 30 minutes, and automatically restart after this time.

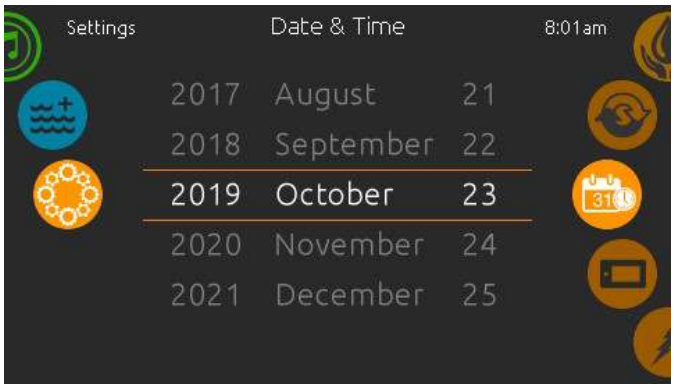
Once Standby mode has been activated a screen will appear to show the pumps are stopped. The normal spa page will return at the end of the maintenance.

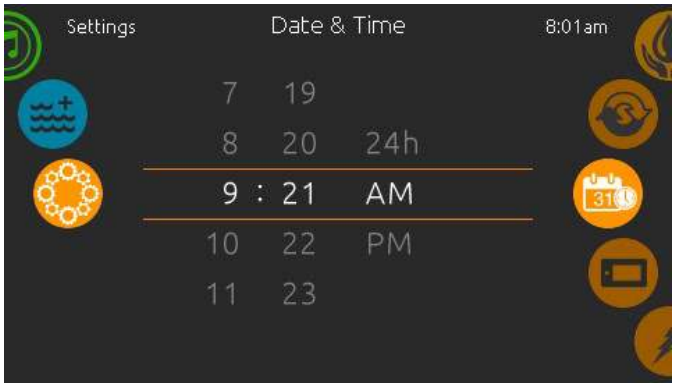
Press Cancel to leave Standby mode and restart the spa.



DATE AND TIME

Here you can adjust the time format (AM/PM or 24h), day of the week and time. Use the icons to choose the setting that you want to adjust and select it by scrolling through the menu.





PROGRAMMING (continued)

KEYPAD SETTINGS

In this section you can change the temperature unit and language. Use the arrow keys and move to the setting that you would like to change. Use the Light key to choose and the arrow keys to modify

For the temperature setting you have a choice between Fahrenheit or Celsius.

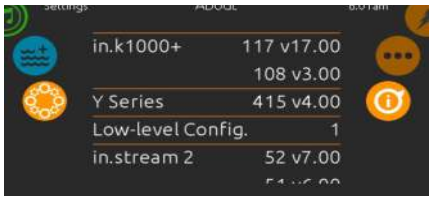
For the language setting you have a choice between English and French.

ELECTRICAL CONFIGURATION

Please do not make changes in this section unless you are a qualified electrician.

ABOUT

This section shows information about the keypad software number and the revision numbers of the different components of your system.



PURGE CYCLES

The purge cycles are programmed to begin at the start of each filter cycle. Pump 2 activates for 1 minute, shuts off and then Pump 1 activates for 1 minute then shuts off.

SMART WINTER MODE

Smart Winter Mode protects your system from the cold by turning the pumps on several times a day to prevent water from freezing in the pipes. The Smart Winter Mode indicator turns on when in this mode of operation. If the temperature drops to 4°C (39°F) within the heater chamber, the system automatically activates the pump to provide freeze protection. The pump will operate until the temperature reaches 5°C (41°F) before returning to normal system mode.

COOLING DOWN

After heating the spa water to the desired set point, the heater is turned off, but the filtration pump remains on for a certain amount of time to ensure adequate cooling of the heating element in order to prolong the useful life of the heater. “Cooling to XX”F (”C)” message will appear at the bottom of the screen.

11.1 Optional SmartTub® System

Advances in technology have allowed us to create a better and smarter swim spa.
Our SmartTub® system operates on a cellular network. The advantages of this system are:

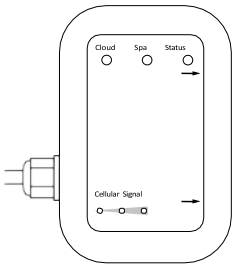
- A more stable connection to internet for outdoor environment. The SmartTub® device uses much less data than a typical voice connection via cellular networks. We contract through the largest wireless carriers to ensure maximum uptime. The system enables firmware updates via the cell connection so your system's performance will continuously be optimized remotely.
- Maintenance is made easy by alerts sent to your phone.
- Diagnostic alerts are sent to you and your dealer when attention is required.

A. Pairing process

1. Download the SmartTub® app from the Google Play store or Apple App store.
2. Open the app and create an account.
3. Locate the SmartTub® sticker next the control panel of the swim spa. You can either scan the QR code with the SmartTub® app or manually input the serial number located below the QR code on the sticker.
4. After you pair the swim spa's serial number to the SmartTub® app, the app will load and connect the hot tub to the internet.
5. Follow the instructions on the app to begin enjoying the benefits of your internet connected swim spa.

Note: The first year of data service is included. You will need to renew the subscription after the first year. Please refer to the terms of service and privacy policy links in the SmartTub® app for additional information.

B. Indicator Lights



There are indicator lights on the SmartTub® controller that relay the status of the system. Below are meanings of the lights.

1. Cloud:

- Blue light on - connected to cloud.
- Blue light off - not connected to cloud.

2. Swim Spa:

- Blue light on - connected to swim spa controller
- Blue light off - not connected to swim spa controller

3. Status:

- Cyan light - breathing (slow pulsing) indicates the status is good.
- Cyan light - flashing indicates that the system is completing a connection to the cloud.
- Green light - flashing indicates waiting for a connection to the cellular tower.
- Dark blue light - flashing indicates a SIM error.

4. Cell signal strength:

- 3 blue LED lights indicates cell signal strength.

C. Resetting the SmartTub® controller

Should the SmartTub® controller need to be reset, hold a magnet to the reset label on the side of the SmartTub® device.

11.2 IR and Red Light Therapy

Exclusive patented Infrared technology only in a Jacuzzi® hot tub. Located in the lower back of the FX Therapy seat to aid in the relief of muscle pain. Infrared uses specific wavelengths of light to penetrate below skin to deep tissue.

Note: The IR and Red light device used in this spa has been tested both in a dry and submerged state by certified Intertek® test laboratories. Testing was conducted for this device to the IEC 62471 – Photobiological Safety Standard. Results place this device in the Risk Group 0 (RG0) exempt category.

12.0 Pro X Current Control System

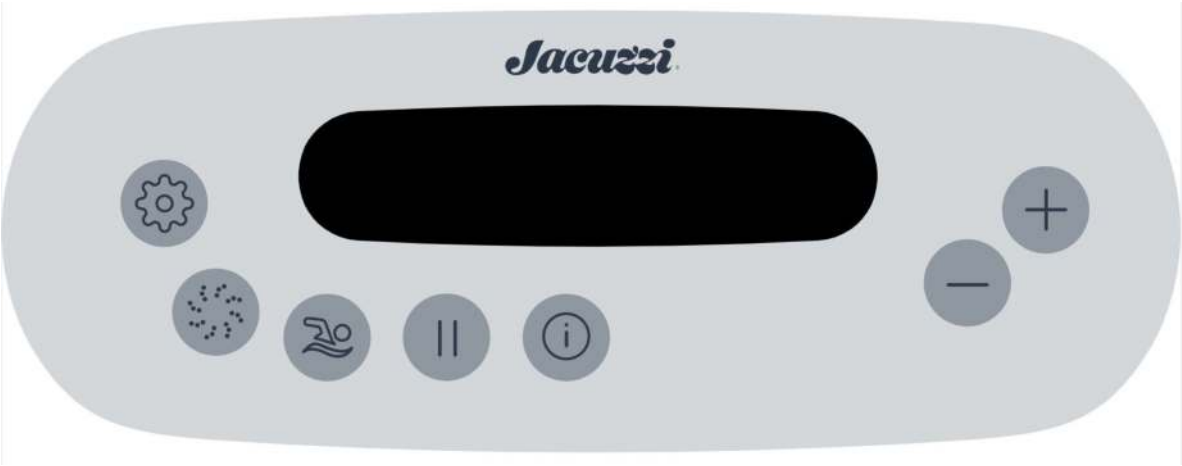
Pro X Current Control provides the ultimate swim spa solution. Our unique plumbing configuration ensures uniform water flow for a smooth workout experience. Pro X is configured with 3 two-speed pumps and provides a wide variety of workout modes to ensure swimmers achieve their fitness goals.

SELF-CALIBRATION PROCEDURE

1. After you manually set up the cam positions, you must set up the programming ensuring that the communication cables coming out of the DJS-5 black box are directed to the main and auxiliary packs respectively.
2. Press the **PROGRAM** key for 30 seconds or until the display shows "**F50H"** or "**F60H**".
3. If the swim spa is for North American use select **"F60H"** by using the up and down arrows on the keypad. If the swim spa is for European use select "**F50H**".
4. Press the **PROGRAM** key again and the display will show "**SET1**". Press the **PROGRAM** key again and the controller will go through a learning mode to ensure that the cams have been set up properly.
5. If the cams have not been set up properly you will get an "**ERR**" code and possibly a service wrench on the side display.
6. In that case one of the actuators is defective and needs to be calibrated or replaced.

Contact your local retailer for service.

12.1 Pro X2 Controls



KEYPAD FUNCTIONS AND DISPLAY ICONS

PROGRAM KEY

PUMP 1 FUNCTION KEY (WARM UP)

PUMP 2 & 3 FUNCTION KEY (QUICK START)

PAUSE KEY

DISPLAY KEY

INCREASE FUNCTION KEY

DECREASE FUNCTION KEY

13.0 Swim Spa Maintenance

Proper and regular maintenance of your swim spa will help it retain its beauty and performance. Your authorized Jacuzzi® dealer can supply you with all the information, supplies, and accessory products you will need to accomplish this.

13.1 Cleaning the Filter Cartridges

A reminder message appears on the control panel display after a specified number of days to remind you to clean the skimmer filters. This reminder must be reset at each filter cleaning interval.

13.2 Waterfall Control Filter

This filter must be cleaned at each drain and refill of your swim spa to ensure proper functionality of the waterfall. It is located behind the door in the equipment area. To access the filter screen turn large canister section of the assembly counter-clockwise till the apparatus separates revealing screen filter. Run filter under tap to clean out any debris and reassemble in reverse order.

NOTE: When winterizing your swim spa, the canister section must be disassembled so that all the water can be vacuumed out properly to prevent damage from freezing conditions before it is reassembled for winter storage.

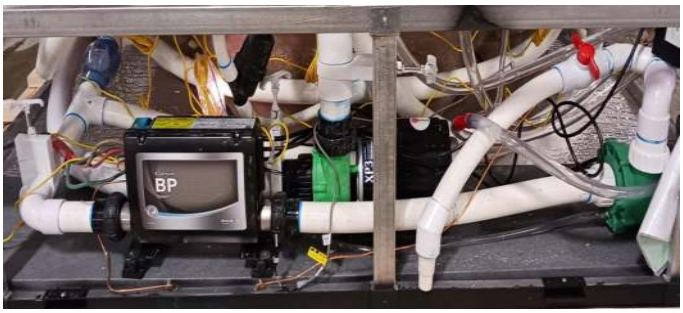
13.3 Draining and Refilling

About every 3 months, you will want to replace the swim spa's water. The frequency depends on a number of variables including the amount of use, number of users, attention paid to water quality maintenance etc. During this time, it is also recommended that you clean the internal plumbing lines from buildup and debris.

CAUTION: There are certain precautions to keep in mind when draining your swim spa. If it is extremely cold, and the swim spa is outdoors, freezing could occur in the lines or the equipment (see **WINTERIZING**). On the other hand, if it is hot outdoors, do not leave the swim spa's surface exposed to direct sunlight.

DRAINING YOUR SWIM SPA

1. Locate nearest drain facility **(Check your local bylaws).**
2. Attach backwash hose to hose bib located on plumbing line beside the swim spa control system.
3. Run backwash hose to drain location.
4. Open ball valve.
5. Close filtration pump return gate valve next to the ball valve (this directs the water out the backwash hose).
6. Activate the circ pump.
7. Monitor the swim spa while it drains.
8. Use a second garden hose to wash down interior surface as the swim spa continues to drain. A sponge may also be used to wipe down the interior surface.
9. To completely flush the old water from the plumbing lines: allow fresh water to fill into the foot-well area while the old water continues to be pumped out. Always keep at least 10cm (4 in.) of water in the foot-well so that pump 1 remains primed.
10. When the water from the drain hose turns clear (indicating fresh fill water), flush is complete.
11. Turn OFF the filtration pump.
12. Close the drain-hose bib on the swim spa plumbing line and continue filling swim spa with fresh water.
13. Place cover on swim spa (to avoid splash-out).
14. Open filtration pump return gate valve.
15. Filtration pump and the heater will activate to circulate and heat the water while filling continues. This also reduces the possibility of an airlock occurring.
16. Continue adding fresh fill water until level is approximately 19mm (3/4 in.) from the top of the skimmer opening.



13.4 Cleaning the Swim Spa Interior

To preserve the sheen of your swim spa's surface, it is crucial that you avoid using abrasive cleaners or cleaners which have adverse chemical effect on the surface. If you are not certain as to the suitability of a particular cleanser, consult your authorized Jacuzzi® dealer. We recommend using Jacuzzi® Spa All Purpose Cleaner to clean the swim spa's interior surface. Use extreme care to assure that no soap residue is left on the surface. This could cause severe sudsing when the swim spa is refilled.

13.5 Pillow Care

Clean the headrests in your swim spa as needed by wiping them with a cloth with soapy water. It is not necessary to remove the headrests for cleaning. To remove headrests for long term storage or replacement, grasp both ends of each headrest and gently pull inward towards the center of the swim spa. To reinstall, over mounting strip and press down until headrest mounting bracket emits a "click" sound. Then adjust the headrest height by simply moving up or down as desired.

13.6 Maintaining the Synthetic Cabinet

The synthetic cabinet requires little or no maintenance of any kind, To clean, simply wipe cabinet with mild detergent soap solution and a clean towel.

CAUTION: Never spray cabinet with a high pressure garden hose for any reason since this action may induce an electrical short in the swim spa's electrical equipment.

13.7 Cleaning the Control Panel

To clean, simply wipe the control panel with a micro-fiber cloth that is used for cleaning polycarbonate lenses.

13.8 Cover Care and Maintenance

Regular monthly cleaning and conditioning is strongly recommended and may increase the longevity of your cover. To clean and condition the cover:

1. Use a garden hose to remove any debris.
2. Using a large sponge or soft bristle brush, use diluted or mild soap to gently scrub the top.
3. Rinse and clean and do not allow soap to dry on the cover. Do not use soap on the underside of the cover.
1. Please check with your Jacuzzi® dealer for recommended cover care and conditioning products. Use non-petroleum based conditioners to keep the vinyl supple.
2. Do not use any solvents, abrasive cleaners or strong detergents. Do not use products that contain silicone or alcohol.

Additional Care and Maintenance Instructions:

1. Debris can accumulate on the swim spa cover. Removal of snow or other debris will help to avoid breakage of the foam cores.
2. Be sure to lock the cover straps to secure the cover from unwanted or accidental entry.
3. Do not place heavy objects on the cover.
4. Do not walk, sit or stand on the cover.
5. Do not drag or use the flaps or the cover lock straps to remove the cover.
6. Use only recommended cover lifter systems. (Please check with your authorized Jacuzzi dealer).

7. Use only chemicals and cleaners recommended by Jacuzzi® Swim Spas.
8. Remember to keep swim spa covered when not in use. Maintaining proper water levels assures efficient operation and efficient electrical usage.
9. Do not expose your swim spa to the sun for extended periods of time as UV rays can damage the interior surface.
10. Use caution when removing cover. Before removing cover, assure all locks have been released to avoid lock breakage and / or cover strap damage.

13.9 Winterizing

Your Jacuzzi® swim spa is designed to automatically protect itself against freezing when operating properly. During periods of severe freezing temperatures, you should check periodically to be certain that the electrical supply to the spa has not been interrupted. In extreme, bitter cold weather (less than 32°F) we recommend that the circulation pump is set for 24-Hour operation and that the auto-heating is selected to protect against damage to the swim spa.

If you do not intend to use your swim spa, or if there is a prolonged power outage during periods of severe freezing temperatures, **it is important that all water be removed from the swim spa and equipment to protect against damage from freezing.**

Expert winterization of your swim spa is highly recommended; contact your authorized Jacuzzi® dealer. In emergency situations, taking the following steps can minimize damage.

1. Follow the directions for draining the swim spa.
2. Turn the massage / diverter selector(s) into the middle combo position to allow the water in the plumbing lines to drain.
3. Turn the waterfall valve to the open position to allow the water in the plumbing lines to drain.
4. As the water level drops below the seats, use whatever means necessary to get the water out of the recessed seating areas and into the footwell, such as a wet / dry vacuum.
5. Open all the air controls and leave them open until you resume use of the swim spa.
6. When the water level ceases to drop, use whatever means available to remove any remaining water from the footwell, such as a wet / dry vacuum.
7. Remove the equipment-side cabinet panels and locate the drain plugs in the front of each pump. Remove these plugs to allow for water to drain out of the pumps and heater.

Note: Approximately one to two gallons will be released during this procedure. Use a wet / dry vacuum or other means to keep this from flooding the equipment compartment. Replace the drain plugs.

8. Loosen the unions at the ends of the heater(s) and vacuum up any water that comes out of the heaters.
9. Reinstall the cabinet side panels and cover the swim spa so that no casual moisture can enter into it.

Consult your Jacuzzi® dealer if you have any questions regarding winter use or winterizing.

13.10 Starting Your Swim Spa in Cold Weather

If you want to start up your swim spa after it has sat empty for a time in freezing temperatures, be aware that the water remaining in certain sections of the piping may still be frozen. This situation will block water flow preventing the swim spa from operating properly and possibly damaging the equipment. We recommend you consult your dealer for guidance before attempting to restart your swim spa under these conditions.

14.0 Water Quality Maintenance

To decrease the risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and / or respiratory ailments, maintain water quality within specified limits. This will enhance your enjoyment and prolong the life of the swim spa's equipment. Doing so requires regular attention because the water chemistry involved is a balance of several factors. Procrastination in regard to water maintenance will result in poor and potentially unhealthful conditions for soaking and even damage to your swim spa investment. For specific, guidance, on maintaining water quality, consult your authorized Jacuzzi® dealer who can recommend the appropriate Jacuzzi® chemical products.

WARNING: FAILURE TO MAINTAIN WATER QUALITY!

- Increase risk of contracting a waterborne illness (e.g. an infection, bacteria or virus) and / or respiratory ailments.
- Damage the equipment, components and swim spa shell, which are not covered under the swim spa's warranty.

CAUTION: Never store swim spa chemicals inside the swim spa's equipment bay. The equipment bay may reach elevated temperatures, this is where high voltage electronic devices are located. This area is not intended for storage of any kind.

14.1 pH Control

pH is a measure of relative acidity or alkalinity of water and is measured on a scale of 0 to 14. The midpoint of 7 is said to be neutral, above which is alkaline and below which is acidic. In swim spa water, it is important to maintain a slightly alkaline condition of 7.4 to 7.6. Problems become proportionately severe the further outside of this range the water gets. A low pH will be corrosive to metals in the swim spa equipment. A high pH will cause minerals to deposit on the interior surface (scaling). In addition, the ability of the sanitation agents to keep the swim spa clean is severely affected as the pH moves beyond the ideal range. That is why almost all swim spa water test kits contain a measure for pH as well as sanitizer.

14.2 Sanitizing

To destroy bacteria and organic compounds in the swim spa water, a sanitizer must be used regularly. Chlorine and bromine are two most popular sanitizers used to date. The "Proclear™ Mineral Spa Clarifier" designed especially for your swim spa is a beneficial product for water maintenance. Many other additives are available for your swim spa. Some are necessary to compensate for out of balance water; some aid in cosmetic water treatment and others simply alter the feel or smell of the water. You authorized Jacuzzi® dealer can advise you on the use of these additives. When adding spa shock (chlorine or non-chlorine) or pH balancing chemicals activate the jet pump(s) and leave the swim spa cover open for a minimum of 20 minutes. By doing this you will allow excessive chemical vapors to exit the swim spa, protecting pillows and plastic knobs from chemical attack.

WARNING: RISK OF PERSONAL INJURY, DROWNING OR ENTRAPMENT!

Never leave your swim spa unattended for any reason while the cover is open and accessible, especially to small children and animals.

CAUTION: RISK OF PERSONAL INJURY OR SWIM SPA DAMAGE!

Never add chlorine tablets (trichlor) or acid to your swim spa for any reason! These chemicals may damage components within your swim spa, burn or irritate your skin, create a rash and void the manufacturer warranty for your swim spa.

14.3 Other Additives

Many other additives are available for your swim spa. Some are necessary to compensate for out of balance water, some aid in cosmetic water treatment and others simply alter the feel or smell of the water. With our chemical products your authorized Jacuzzi® dealer can advise you on the use of these additives.

14.4 CLEAR**RAY® ACTIVE OXYGEN Water Management System**

CLEAR**RAY® ACTIVE OXYGEN** Water Management System is exclusive technology utilizing Natural ultraviolet technology to help keep your swim spa clean*. CLEAR**RAY® ACTIVE OXYGEN** is plumbed in-line with your filtration system. After the water is drawn from the pump, filter and heater it is directed through the CLEAR**RAY® ACTIVE OXYGEN** system. The water is then pumped back into the swim spa giving you crystal clear water instantly. The system has a ballast that is the power supply for the system; it has two LED indicator lights. The "Power On" (red color) indicating incoming power flow and the "Lamp On" (green color) indicating the system is properly working. CLEAR**RAY® ACTIVE OXYGEN** is optional on the J13 and standard on the J16 and J19 models. After a year the bulb must be replaced. If the CLEAR**RAY® ACTIVE OXYGEN** timer has been programmed correctly a message will appear on the LCD display when the time allotted has expired. In order to clear the message, a new CLEAR**RAY®** UV bulb needs to be installed and the time must be reset. Contact your authorized Jacuzzi® dealer to assist in changing our the bulb.

***Clean is defined as the removal of microscopic (to 30 micro m level) debris from the water. Ozone aids in the grouping of small debris. Once combined, the debris can be more easily caught by the filtration process**

14.5 Auxiliary Heater Bypass Loop

When your installation calls for an auxiliary heater, our swim spas can be built with special plumbing that will easily and reliably allow for the additional installation of an alternative heat source (heat pump, electric heat, gas heat or solar). Simple connect your additional system plumbing to our pre-installed plumbing and check valve system for optimal performance and safety.

15.0 Error / Display Messages

1. **Open Flow Switch**: (Heater is deactivated. The filter/circulation may also be deactivated). The flow switch is malfunctioning open, the circulation pump's filter cartridge is excessively dirty or an air lock condition has occurred at the circulation pump intake. Contact your authorized dealer or service organization.
2. **Closed Flow Switch**: (Heater is deactivated. The filter/circulation may also be deactivated). The flow switch is malfunctioning closed. Contact your authorized dealer or service organization.
3. **Toggling Flow Switch**: (Heater is deactivated). The flow switch is behaving erratically. Heater is disabled, check for dirty filter. Make sure to clean the filter(s) and correct proper water level before contacting your dealer or service organization.
4. **Shorted Hi-limit Temp Sensor**: The hi-limit temperature sensor is not functional. Heater is disabled. This must be repaired only by a qualified authorized service organization or service technician.
5. **Open Hi-limit Temp Sensor**: The hi-limit temperature sensor is not functional. Heater is disabled. This must be repaired only by a qualified authorized service organization or service technician.
6. **Shorted Water Temp Sensor**: The temperature sensor is not functional. Heater is disabled. This must be repaired only by a qualified authorized service organization or service technician.
7. **Open Water Temp Sensor**: The temperature sensor is not functional. Heater is disabled. This must be repaired only by a qualified authorized service organization or service technician.
8. **Closed Flow Switch on Start-up**: Flow switch is non-functional. Closed or shorted flow switch on system start-up (system disabled). Contact your authorized dealer or service organization.
9. **Frozen on Start-up**: Flow switch is non-functional. Shorted flow switch on system start-up (system disabled) and freeze condition detected. Contact your authorized dealer or service organization.

10. **Cool Warning**: Swim spa water is more than 20°F / 11°C cooler than the temperature set point , the circulation pump and heater will automatically activate to provide freeze protection. The swim spa will stay in this mode until the water temperature reaches 14°F / 8°C below the set temperature. No corrective action is necessary.
    Note: The heater icon will be blinking and the error icon will be displayed under the temperature.
11. **Freeze protection**: A potential freeze condition has been detected. No action is required. Jet pump(s) operate until the swim spa is out of danger. No corrective action is necessary. If condition persists, contact your authorized dealer or service organization.
12. Overheat protection: DO NOT ENTER THE WATER! Water temperature is above acceptable limits. Heater is deactivated. Remove swim spa cover to speed cooling. If condition persists, contact your authorized dealer or service organization.
    Note:
    - As a safety measure, the red lights of the swim spa will flash on and off as an indication that the swim spa is in an overheat condition.
    - The heater icon will be blinking and the error icon will be displayed under the temperature.
13. **Controller Overheat Protection**: Controller temperature has exceeded acceptable limits. If condition persists, provide shade for equipment side of swim spa. Contact your authorized dealer or service organization.
    Note: The heater icon will be blinking and the error icon will be displayed under the temperature.
14. **Panel Com Error**: The topside controller is having trouble communicating to your swim spa. Contact your authorized dealer or service organization.
15. CLEAR**RAY® Bulb Replacement Reminder**: This message will appear when the CLEARRAY® bulb reminder time has expired. The CLEARRAY® bulb must be replaced.
16. **Clean Filter Reminder**: This message will appear when the filter reminder time has expired. Remove the filters for cleaning or replacement.
17. **Water Refresh Reminder**: This message will appear when the “Water Refresh” timer has expired. The water needs to be drained and refilled with fresh water.

WARNING: RISK OF HYPERTHERMIA (OVERHEATING) CAUSING SEVERE INJURY, BURNS OR WELTS.

16.0 Troubleshooting Procedures

In the unlikely event your swim spa is not working the way you believe it should, please first review all the installation and operating instructions in this manual and check the message on the panel display second, if you are still not satisfied it is working properly, please follow the appropriate troubleshooting instructions:

PROBLEM	PROCEDURE
NONE OF THE COMPONENTS OPERATE (i.e pump light)	Check the control panel lights 1. If there are letters or symbols displayed on the screen, refer to the previous Section to determine the meaning and required action. 2. If nothing appears on the screen: A: Check the household circuit breaker. B: Contact your dealer or authorized service organization.
PUMP DOES NOT OPERATE	Activate the “JETS” 1. If no sound is detected or if a “buzzing” sound is detected, turn off power to the swim spa and contact your dealer or service organization. 2. If the motor operates but no water flows to jets: A. Pump may not be properly primed. See instruction below. B. Contact dealer or authorized service organization.

Pump Priming Instructions:

1. Turn off power to the swim spa.
2. Remove the handle from the massage selector supplied by the pump you are priming.
3. Loosen the massage selector’s cap slightly (counter clockwise), listening for the air to seep out.
4. Tighten the cap finger-tight, replace the handle and turn the swim spa’s power back on.

Note: This method must be used for the jet’s pumps because these pumps are not connected to the main filter system in any way.

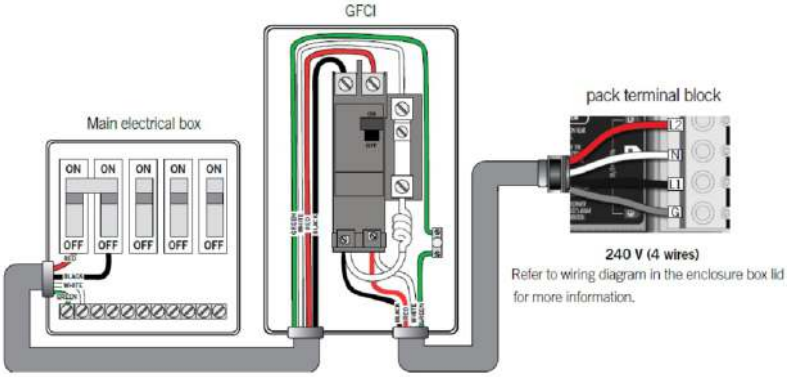
CAUTION: If freezing conditions exist and pump is not operational, take measures to protect the system from freeze damage. See the section on Winterizing.

PROBLEM	PROCEDURE
POOR JET ACTION	1. Make certain the jets pump is turned on. 2. Make sure all jets are fully open. 3. Check position of massage selectors. 4. Open air control for selected jet system. 5. Check for adequate water level. 6. Check for dirty filter.
WATER IS TOO HOT	1. Reduce thermostat setting. 2. Switch swim spa to “Econo” mode to turn heater on only during pre-programmed time. 3. Make sure the pumps are turned off an not constantly running.
NO HEAT	1. Check thermostat setting. 2. Keep the cover in place while heating. 3. If the heater indicator is displayed, but no temperature increase is experienced after a reasonable period of time, contact your dealer or authorized service organization.
FILTER / CIRCULATION PUMP OFF	1. Verify filter / circulation pump is programmed to run 8 hours a day. 2. Make sure there are no errors preventing the pump from turning on. 3. Swim spa water is warmer than 95°F (34°C) and two degrees warmer than the set temperature.

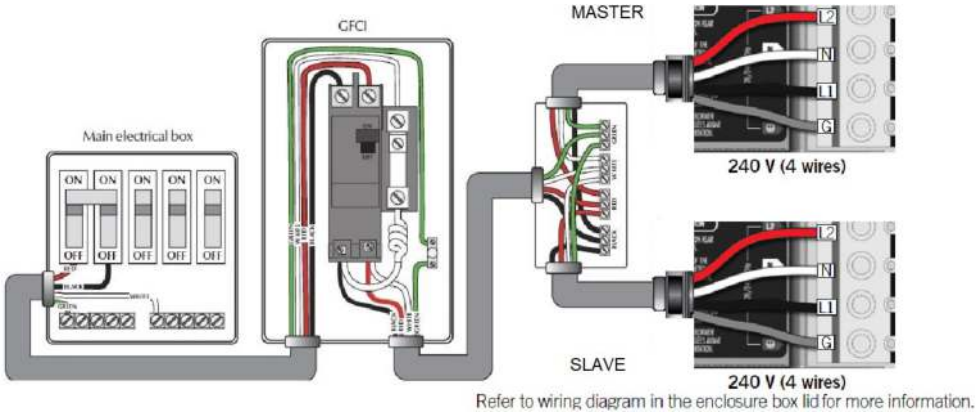
CONGRATULATIONS on your good taste and welcome to the happiest and most relaxed family in the world!

17.0 Typical Swim Spa Wiring Diagrams (240VAC - North America)

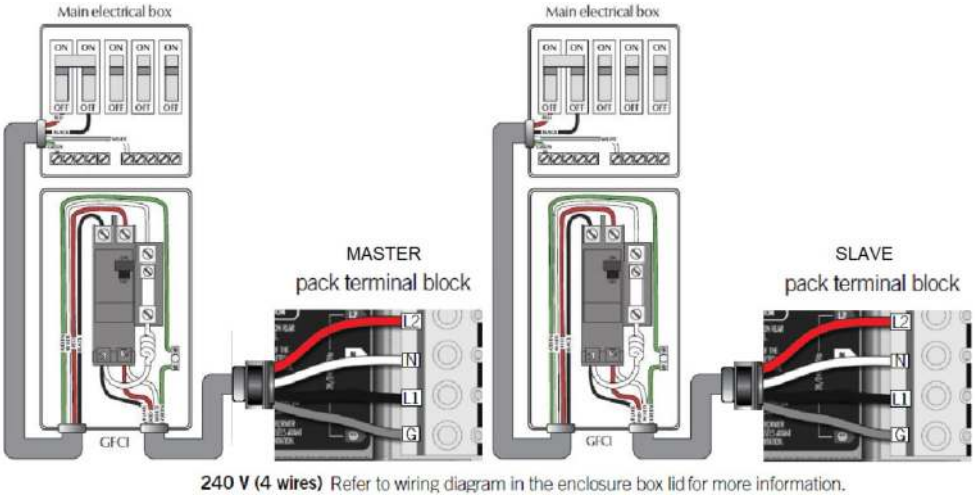
240 VOLT 60 HZ SINGLE PHASE GFCI WIRING



240 VOLT 60 HZ DUAL PHASE GFCI WIRING

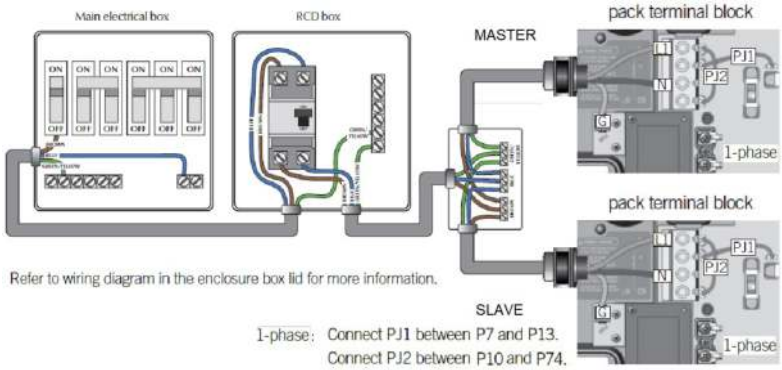


240 VOLT 60 HZ THREE PHASE GFCI WIRING

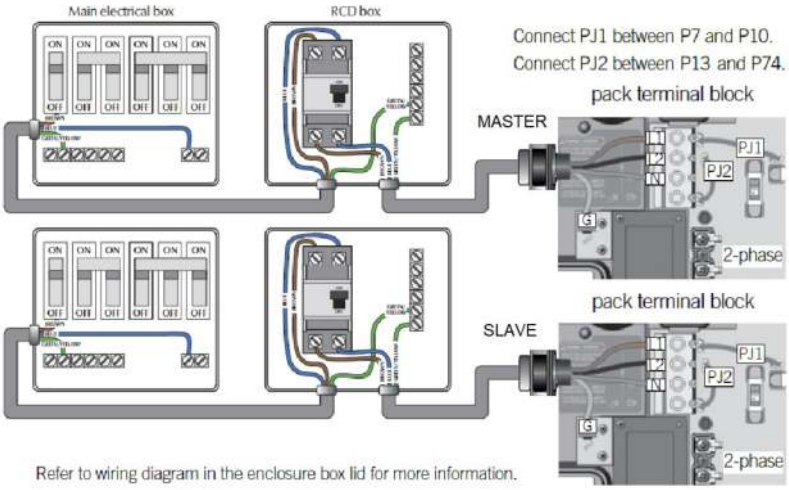


17.1 Typical Swim Spa Wiring Diagrams (230VAC - European)

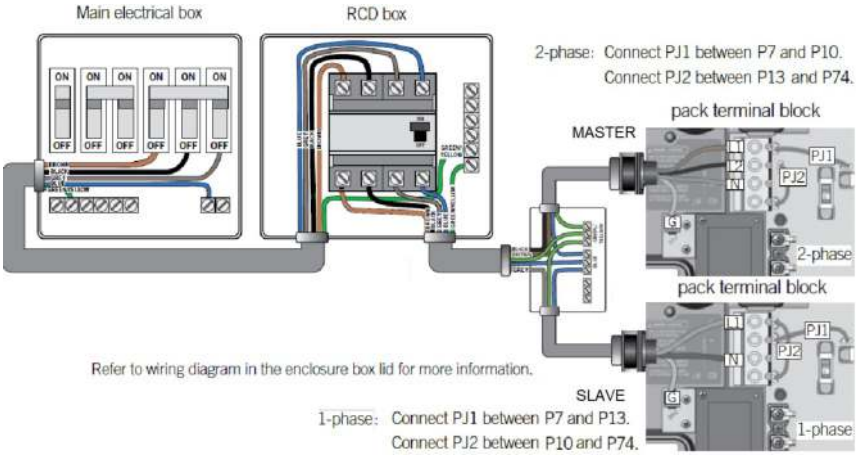
230 VOLT 50 HZ SINGLE PHASE RCD WIRING



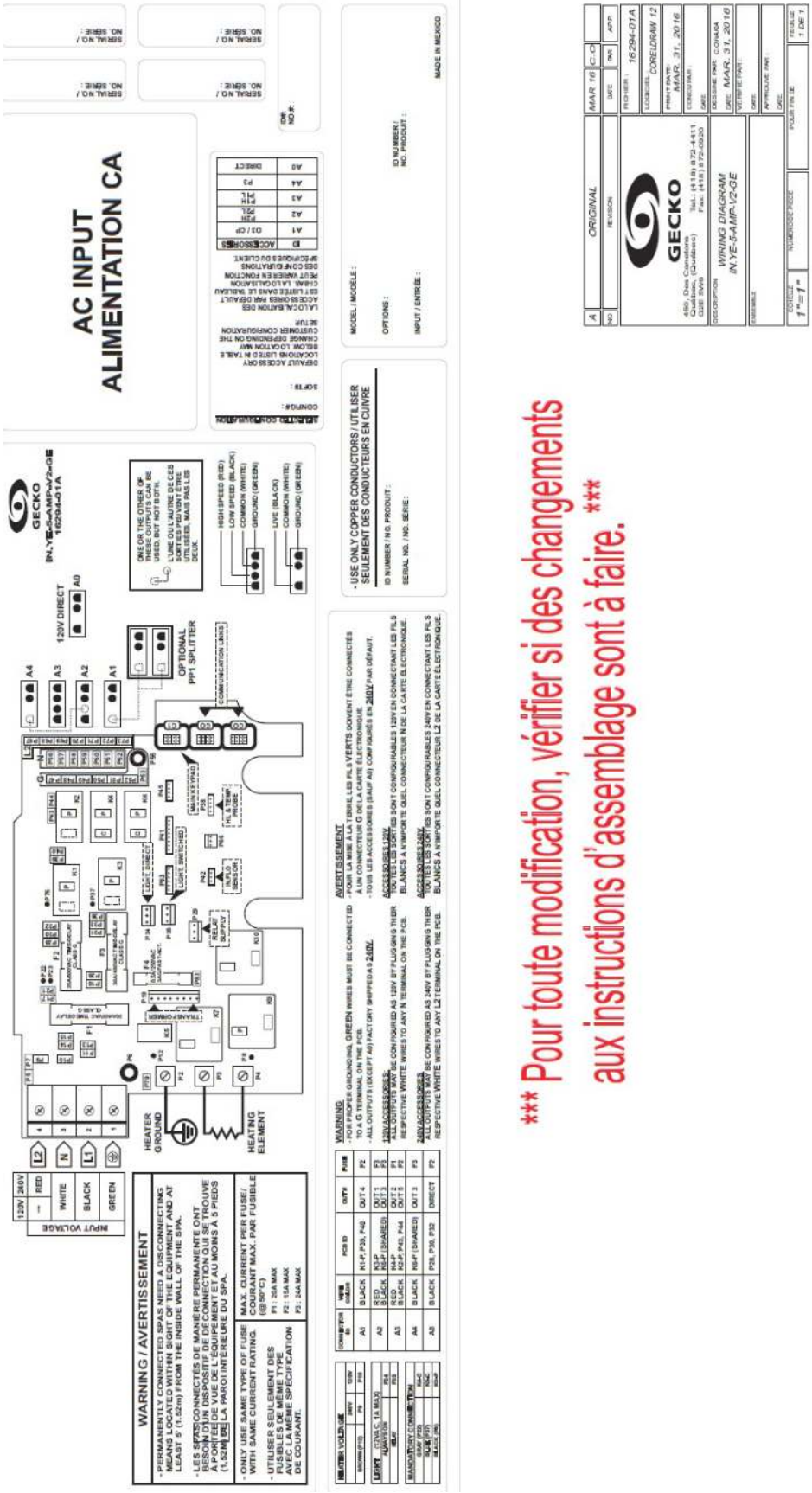
230 VOLT 50 HZ DUAL PHASE RCD WIRING



230 VOLT 50 HZ THREE PHASE RCD WIRING

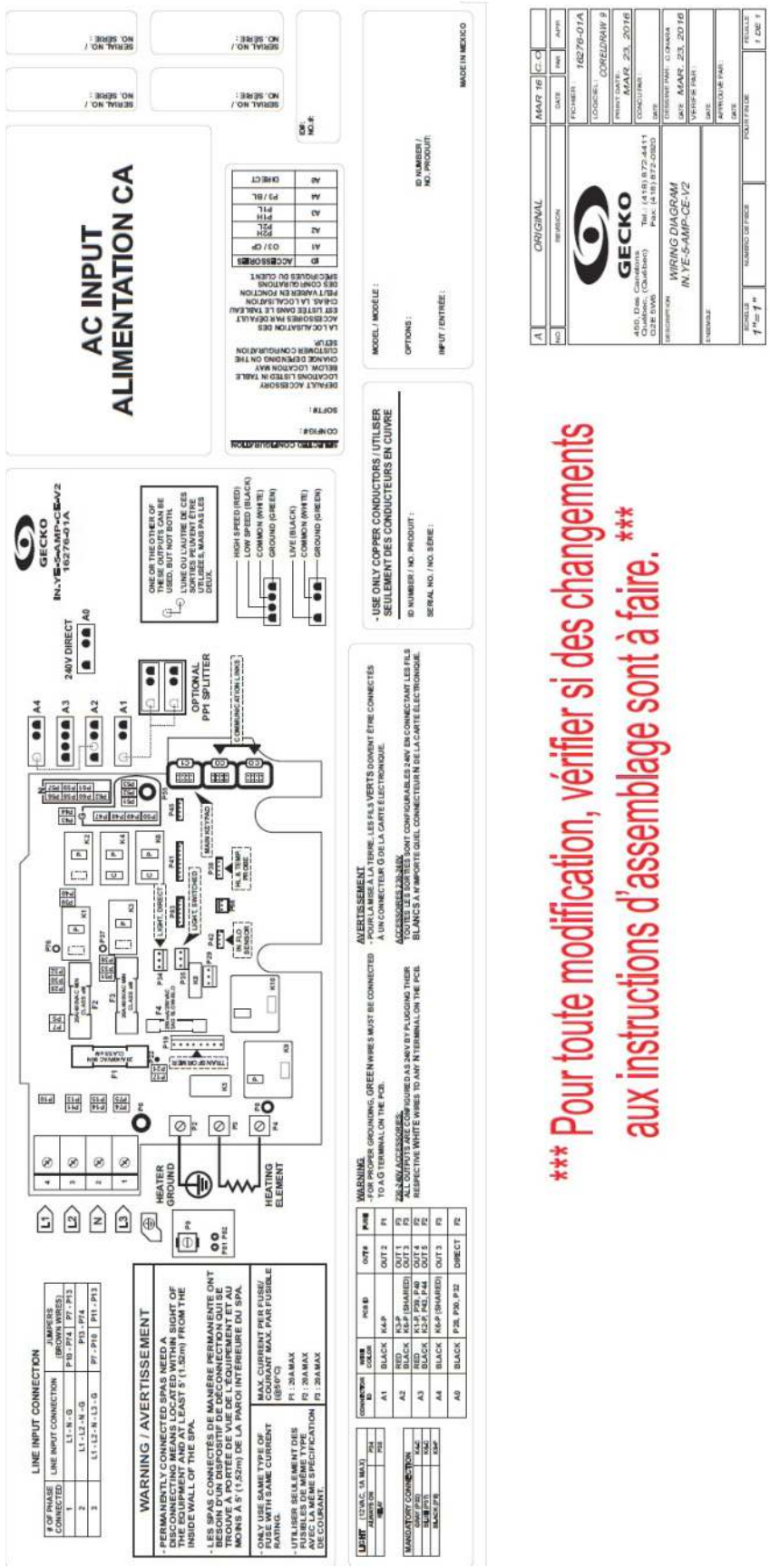


18.0 Circuit Board Wiring Diagrams (240VAC - North America)



*** Pour toute modification, vérifier si des changements aux instructions d'assemblage sont à faire. ***

18.1 Circuit Board Wiring Diagrams (230VAC - European)



*** Pour toute modification, vérifier si des changements aux instructions d'assemblage sont à faire. ***