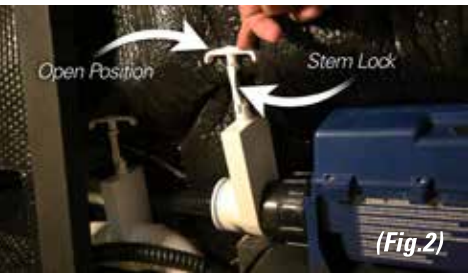
HYDROPOOL
the self-cleaning hot tub

HYDROPOOL
Self-Cleaning Hot Tubs

2018 Quick Start Guide

(Fig.1)



(Fig.2)

(Fig.3)

(Fig.4)

(Fig.5)

(Fig.6)

(Fig.7)

HYDROPOOL Self-Cleaning Hot Tubs
Quick Start Guide

Before filling or using this Hot Tub ensure you have followed the Hydropool installation guide. Your Hot Tub needs to be on the recommended support surface and must have been wired with a dedicated electrical service with the proper size Ground fault circuit interrupter (GFCI) breaker.

If this has been completed please follow our simple quick start guide...

1. Equipment inspection:

Your access panel is magnetically fastened and can be removed with a swift pull from the bottom of the panel. Once the panel is removed inspect the unions and ensure they are tight *(Fig.1)*.

DO NOT USE A WRENCH, HAND TIGHTEN ONLY.

Inspect the gate valves are in the open position and stem locks in place *(Fig.2)*. Never run the tub with the gate valve closed or without water circulation. ***Leave door off until after start up.***

2. Install your safety hard cover

Carefully remove the safety cover from the packaging and position on tub. Packaged with the cover are the safety clips. (Usually affixed to the handle) Once you are satisfied with the direction the cover is opening you will need to attach the tie down clips *(Fig.3)*. Refer to the manual with the cover for installation instructions.

3. Fill Instructions

a) Place a standard garden hose from a clean sanitized water source into the skimmer and fill the Hot Tub *(Fig.4)*.

- **Always fill the Hot Tub through the skimmer**
- **Never fill the Hot Tub with hot water**
- **Never fill the Hot Tub with soft water**

b) Fill the hot tub up to 1" below the top skimmer opening. Once the water is at the proper depth turn off the water and remove the garden hose *(Fig.4)*.

4. Powering up the Hot Tub

a) Turn on the breaker in the main panel of your house.

b) Turn on the GFCI breaker located near the tub *(Fig.5)*.

Your tub will automatically go through the start-up procedure and the water will start to circulate All pumps and blowers will turn on for 1min.

- **If your water is not circulating you may have an air lock.** See owner's manual.
- **If your tub trips as soon as you turn on the GFCI call your electrician as the tub has been wired incorrectly - Refer to owner's manual for proper wiring instructions. The display will always come on as beginner mode for watercare** *(Fig.6)*.
  Please refer to owners manual for more details on the different modes offered.

c) If your tub is circulating check the Pump / Spa Pack union's in the equipment area for any leaks *(Fig.1)*. If there is no water present, re-install your equipment door.

d) After your hot tub is circulating, bleed any air from the filter area to ensure proper filtration using the air bleeder valve located on the lid of the filter *(Fig.7)*.

HYDROPOOL
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(Fig.8)

(Fig.9)

(Fig.10)

(Fig.11)

(Fig.12)

(Fig.13)

(Fig.14)

(Fig.15)

(Fig.16)

HYDROPOOL Self-Cleaning Hot Tubs

Quick Start Guide

5. Electronic Control Operation

a) Press any button to turn the keypad on *(Fig.8)*. **After 15 minutes without activity it will shut off.**

b) Pumps: Press the pump icons to turn on or off any of the pumps. After pressing the buttons please make sure water is circulating through the jets. If there is no circulation, you may have an air lock. Please refer to owners manual to clear the air lock.

c) Water Temperature : The water temperature in the middle of the screen is the actual water temperature, the temperature at the bottom is what the hot tub has been set to. Use the up and down arrows to set the unit to the desired temperature *(Fig.9)*. The set point will appear in blue *(Fig.10)*. After 3 seconds without any change to the set point the current water temperature will reappear (Fig.11).

d) Lights: Press the light button to turn the lights on or off. The first push will turn the lights on and start the colour sequence rotation *(Fig.12)*.

e) Setting the Date and Time: From the home screen press the settings button *(Fig.13)* where you will find the date and time. Scroll to the date and time line using the up and down arrows. Hit the light key (key 2) to access the date and time screen *(Fig.14)*. Use the arrows to choose the setting you want to adjust and select it by hitting the light key (key 2 - *Fig.14)*. Use the arrows to change the settings and key 2 to move between *Fig.15)*. Key 1 will take you back to the main menu *(Fig.16)*.
There are many other programmable features available in the setting screen. Refer to the owner's manual to make changes from the factory setting.

6. Adjust the Water Chemistry

By now you should have brought a water sample into your local retailer and they have given you instructions on how to adjust your water chemistry. See your owner's manual or follow your authorized Hydropool dealer's instructions, to test and adjust the water chemistry.

Caution – Untreated water can be hazardous to your health or can cause damage to your Hot Tub equipment.

Before filling or using this Hot Tub ensure you have followed the Hydropool installation guide. Congratulations – within a few hours you will be enjoying the relaxing therapeutic benefits of your new Hydropool Self Clean Hot tub. Enjoy!

1) Bad water maintenance will cause: rust, cushions and cover to deteriorate, leaks, faulty heater elements, pump seal failures and jets to stop working.

2) Head cushions should be placed out of the tub when not used.

User Guides

Your Pre Delivery guide will provide information on preparing your site and the power and wiring requirements for your Hot Tub. Your Owner's Manual will give you further information on.

- Priming the pump
- Further operating instruction on the control panel
- Operating instructions for any optional equipment or accessories
- Keeping you Hot Tub water clean and sanitized. Including setting your filtration cycles.
- Draining and refilling your Hot Tub
- Cleaning and maintenance
- Troubleshooting

If this has been completed please follow our simple quick start guide...

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SAVE THESE INSTRUCTIONS

IMPORTANT SAVE THESE INSTRUCTIONS

Your physiological response to hot water is subjective and depends on your age, health, and medical history. If you don't know your tolerance to hot water, or if you get a headache, or become dizzy or nauseous when using your hot tub, get out and cool off immediately.

WARNING

1. CHILDREN SHOULD NOT USE SPAS OR HOT TUBS WITHOUT ADULT SUPERVISION.
2. DO NOT USE SPAS OR HOT TUBS UNLESS ALL SUCTION GUARDS ARE INSTALLED TO PREVENT BODY AND HAIR ENTRAPMENT.
3. PEOPLE USING MEDICATIONS AND/OR HAVING ANY ADVERSE MEDICAL HISTORY SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB.
4. PEOPLE WITH INFECTIOUS DISEASES SHOULD NOT USE A SPA OR HOT TUB.
5. TO AVOID INJURY, EXERCISE CARE WHEN ENTERING OR EXITING THE SPA OR HOT TUB.
6. DO NOT USE DRUGS OR ALCOHOL BEFORE OR DURING THE USE OF A SPA OR HOT TUB, TO AVOID UNCONSCIOUSNESS AND POSSIBLE DROWNING.
7. PREGNANT OR POSSIBLE PREGNANT WOMEN SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB.
8. WATER TEMPERATURE IN EXCESS OF 38°C (100°F)MAY BE INJURIOUS TO YOUR HEALTH.
9. BEFORE ENTERING THE SPA OR HOT TUB, MEASURE THE WATER TEMPERATURE WITH AN ACCURATE THERMOMETER.
10. DO NOT USE A SPA OR A HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE.
11. PROLONGED IMMERSION IN A SPA OR HOT TUB MAY BE INJURIOUS TO YOUR HEALTH.
12. DO NOT PERMIT OR USE ELECTRIC APPLIANCES (SUCH AS LIGHT, TELEPHONE, RADIO OR TELEVISION) WITHIN 1.5M (5FT) OF THIS SPA OR HOT TUB.
13. CHILDREN SHOULD NOT ENTER A HOT TUB WHERE THE WATER TEMPERATURE EXCEEDS BODY TEMPERATURE (37° C / 98.6°F).
14. DO NOT ALLOW CHILDREN TO SUBMERGE THEIR HEAD UNDER WATER.
15. NEVER OPERATE THE HOT TUB PUMP AT HIGH SPEED WITHOUT HAVING ALL SUCTION AND RETURN LINES OPEN.
16. ALWAYS KEEP THE HARDCOVER INSTALLED AND LOCKED WHEN THE HOT TUB IS NOT IN USE.
17. TEST THE GFCI (GROUND FAULT CIRCUIT INTERRUPTER) MONTHLY.
18. POST EMERGENCY PHONE NUMBERS FOR POLICE, FIRE DEPARTMENT, AND AMBULANCE AT THE NEAREST PHONE.
19. TO REDUCE THE RISK OF INJURY
    - THE WATER IN A SPA SHOULD NEVER EXCEED 40°C (104°F). WATER TEMPERATURES BETWEEN 38°C (100°F) AND 40°C (104°F) ARE CONSIDERED SAFE FOR A HEALTHY ADULT. LOWER WATER TEMPERATURES ARE RECOMMENDED FOR YOUNG CHILDREN AND WHEN SPA USE EXCEEDS 10 MINUTES.
    - SINCE EXCESSIVE WATER TEMPERATURES HAVE A HIGH POTENTIAL FOR CAUSING FETAL DAMAGE DURING THE EARLY MONTHS OF PREGNANCY, PREGNANT OR POSSIBLY PREGNANT WOMEN SHOULD LIMIT SPA WATER TEMPERATURES TO 38°C (100°F).
    - BEFORE ENTERING A SPA, THE USER SHALL MEASURE THE WATER TEMPERATURE SINCE THE TOLERANCE FOR WATER TEMPERATURE REGULATING DEVICES VARIES.
    - THE USE OF ALCOHOL, DRUGS, OR MEDICATION BEFORE OR DURING SPA USE MAY LEAD TO UNCONSCIOUSNESS, WITH THE POSSIBILITY OF DROWNING.
    - OBESE PERSONS AND PERSONS WITH A HISTORY OF HEART DISEASE, LOW OR HIGH BLOOD PRESSURE, CIRCULATORY SYSTEM PROBLEMS OR DIABETES SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA.
    - PERSONS USING MEDICATION SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA SINCE SOME MEDICATION MAY INDUCE DROWSINESS WHILE OTHER MEDICATION MAY EFFECT HEART RATE, BLOOD PRESSURE AND CIRCULATION.

CAUTION

1. MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

DANGER

1. RISK OF ACCIDENTAL DROWNING. EXTREME CAUTION MUST BE EXERCISED TO PREVENT UNAUTHORIZED ACCESS BY CHILDREN. TO AVOID ACCIDENTS, ENSURE THAT CHILDREN CAN'T USE THE SPA UNLESS THEY ARE SUPERVISED AT ALL TIMES.
2. RISK OF INJURY. THE SUCTION FITTINGS IN THIS SPA ARE SIZED TO MATCH THE SPECIFIC WATER FLOW CREATED BY THE PUMP. SHOULD THE NEED ARISE TO REPLACE THE SUCTION FITTINGS OR THE PUMP, BE SURE THAT THE FLOW RATES ARE COMPATIBLE. NEVER OPERATE THE SPA IF THE SUCTION FITTINGS ARE BROKEN OR MISSING. NEVER REPLACE A SUCTION FITTING WITH ONE RATED LESS THAN THE FLOW RATE MARKED ON THE ORIGINAL SUCTION FITTING.
3. RISK OF ELECTRIC SHOCK. INSTALL AT LEAST 1.5M (5FT) FROM ALL METAL SURFACES. AS AN ALTERNATIVE, A SPA MAY BE INSTALLED WITHIN 1.5M (5FT) OF METAL SURFACES IF EACH METAL SURFACE IS PERMANENTLY CONNECTED BY A MINIMUM 8 AWG (8.4 mm2) SOLID COPPER CONDUCTOR TO THE WIRE CONNECTOR ON THE TERMINAL BOX THAT IS PROVIDED FOR THIS PURPOSE.
4. RISK OF ELECTRIC SHOCK. DO NOT PERMIT ANY APPLIANCE, SUCH AS A LIGHT, TELEPHONE, RADIO, OR TELEVISION, WITHIN 1.5M (5FT) OF THE SPA.

SAVE THESE INSTRUCTIONS
IMPORTANT SAVE THESE INSTRUCTIONS

Your physiological response to hot water is subjective and depends on your age, health, and medical history. If you don't know your tolerance to hot water, or if you get a headache, or become dizzy or nauseous when using your hot tub, get out and cool off immediately.

HYPERTHERMIA

Since your hot tub can be set to reach temperatures of 40°C (104° F), users should be aware that extended submersion in water that exceeds normal body temperature can lead to hyperthermia. The causes, symptoms and effects of hyper-thermia may be de-scribed as follows: Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hyperthermia include drowsiness, lethargy, and an increase in the internal temperature of the body.

The effects of hyperthermia include:

- Unawareness of impending hazard
- Failure to perceive heat
- Failure to recognize the need to exit the hot tub
- Physical inability to exit the hot tub
- Fetal damage in pregnant woman
- Unconsciousness resulting in the danger of drowning

If you sense any of the symptoms of hyperthermia, safely exit the hot tub immediately.

WARNING

THE USE OF ALCOHOL, DRUGS OR MEDICATION CAN SIGNIFICANTLY INCREASE THE RISK OF FATAL HYPERTHERMIA.

IMPORTANT ELECTRICAL SAFETY INSTRUCTIONS
SAFETY COMES FIRST. WHEN INSTALLING & USING THIS ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS MUST ALWAYS BE FOLLOWED!

1. READ AND FOLLOW ALL INSTRUCTIONS

2. Electrical installation must be completed by a qualified electrician in accordance with all National, Regional and Local Codes and Regulations in effect at the time of installation.
3. Connect only to a dedicated circuit protected by a class 'A' two-pole ground fault circuit interrupter (GFCI)
4. Use copper conductors only!
5. The hot tub equipment and all electrical plugs, outlets and lights within 1.5m (5ft) of the unit must be G.F.C.I protected. Consult your electrician or local electrical authority for further details.
6. A green colored terminal or a terminal marked "G", "GR", "Ground", or "Grounding" 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 supplying the equipment.
7. At least two lugs marked "BONDING LUGS" are provided on the external surface or on the inside of the supply terminal box or compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the hot tub to these terminals with an insulated or bare copper conductor not smaller than No.6 AWG (Canada/Europe) / No.8 AWG (USA).
8. All field installed metal components such as rails, ladders, drains or other similar hardware within 3 m (10 ft) of the hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No.6 AWG.

IMPORTANT NOTE: (FIGURE 1)

The following dimensions can be used to determine the proper location of submerged conduits in concrete slab installations. The dimensions are made from the outside of the spa / hot tub frame with the access for panels removed. The topside control panel is shown at the bottom of the diagram as a reference.

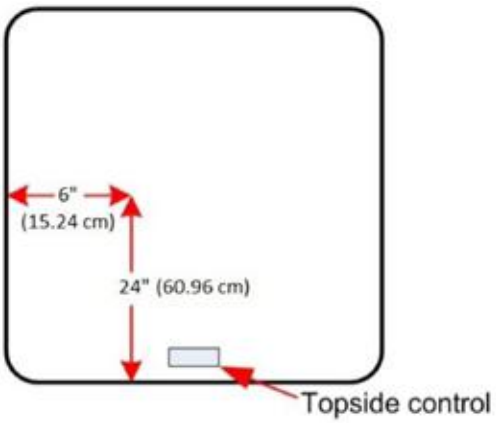
IMPORTANT NOTE:

• This guide is for standard installations where the wire run is 15 m (50 ft.) or less. For longer wire runs, consult a qualified electrician.

G.F.C.I./R.C.D. APPLICATION GUIDE FOR HYDROPOOL SELF CLEAN SERIES

NORTH AMERICA	
Gold Series	**40A**
Platinum Series	**50A**
Titanium Series	**60A**
EUROPE	
Gold Series	**20A**
Platinum Series	**20A**
Titanium Series	**40A**

FIGURE 1: ELECTRICAL CONDUIT LOCATION



WIRE SIZE
NORTH AMERICA

- The minimum wire size for systems that require a 40A GFCI is # 8/3 c/w ground (also referred to as # 8 gauge / 4 conductor).
- The minimum wire size for systems that require a 50A GFCI is # 8/3 c/w ground (also referred to as # 8 gauge / 4 conductor).

EUROPE

Standards for amperage breakers may vary from country to country in the CE controlled area.
Please consult your local install er for advice on breaker level and wire specifications. Some examples are below:

Breaker of 13A – wire must be 1.5 mm2
Breaker of 16A – wire must be 2.5 mm2
Breaker of 20A – wire must be 4.0 mm2
Breaker of 32A – wire must be 6.0 mm2

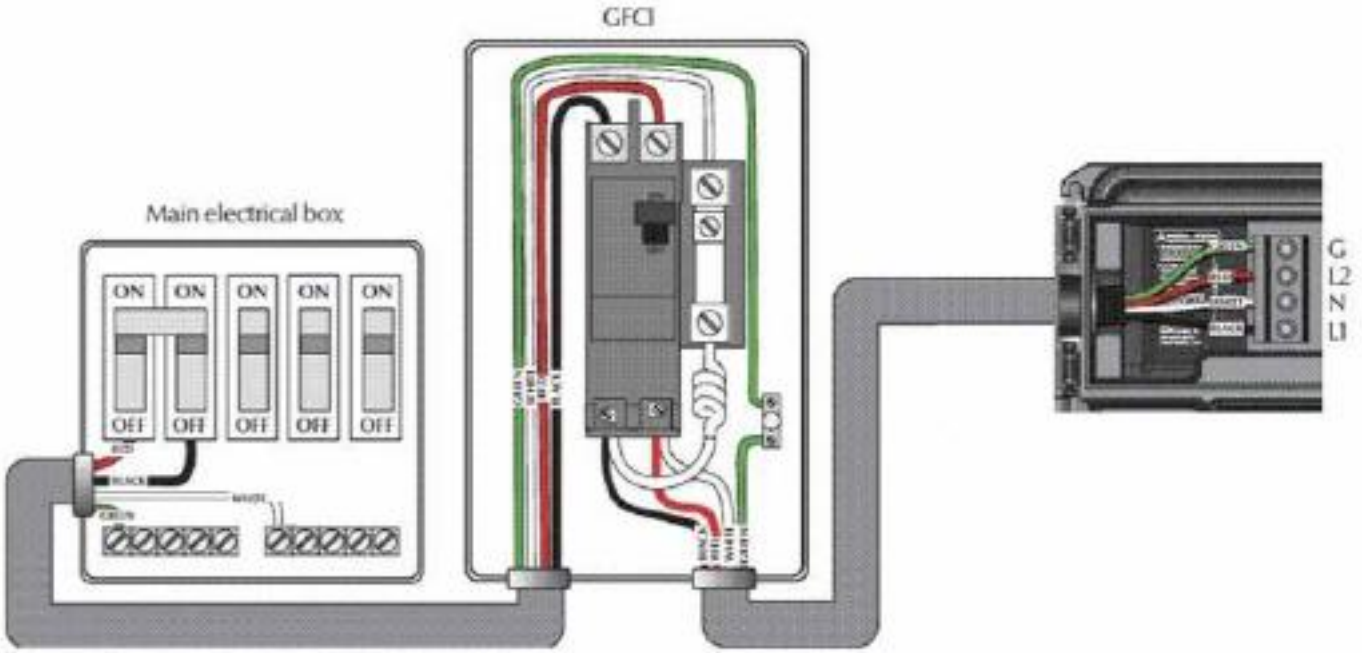
NOTE: Please consult your applicable electrical codes related to the size of conductors as they may vary from what is stated above. Take into consideration the length of cable as well and increase as required.

NORTH AMERICAN – GFCI INSTALLATION

NOTICE

Installation of the GFCI - Circuit Breaker, including ampere sizing and selection of conductor size and type, must be performed by a qualified electrician in accordance with the National Electrical Code, or the Canadian Electrical Code, and all Federal, State/Provincial and local codes and regulations in effect at the time of installation. Hydropool highly recommends the use of a new Siemens GFCI breaker for all of its products. Other GFCI's and older Siemens GFCI's may have tripping issues.

240 VOLT 60Hz GFCI WIRING

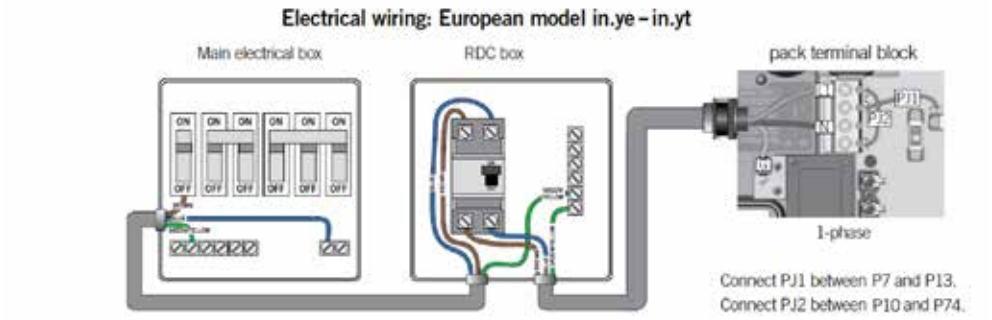


EUROPE – R.C.D. INSTALLATION - TYPICAL

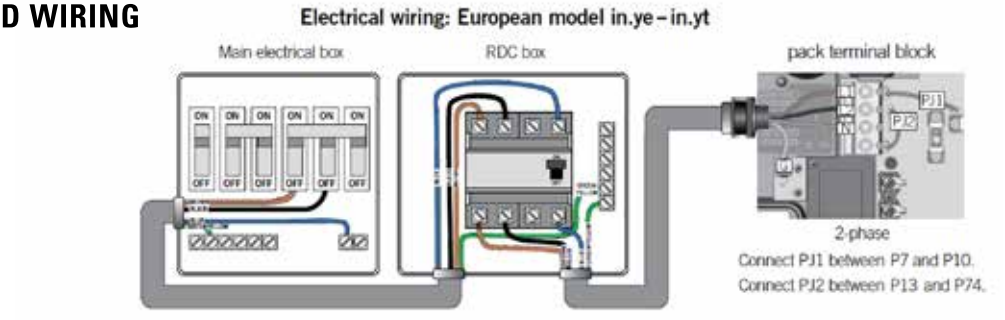
NOTICE

Important Note: Installation of the R.C.D. - Circuit Breaker, including ampere sizing and selection of conductor size and type, must be performed by a qualified electrician in accordance with National, Regional and Local Codes and Regulations in effect at the time of installation.

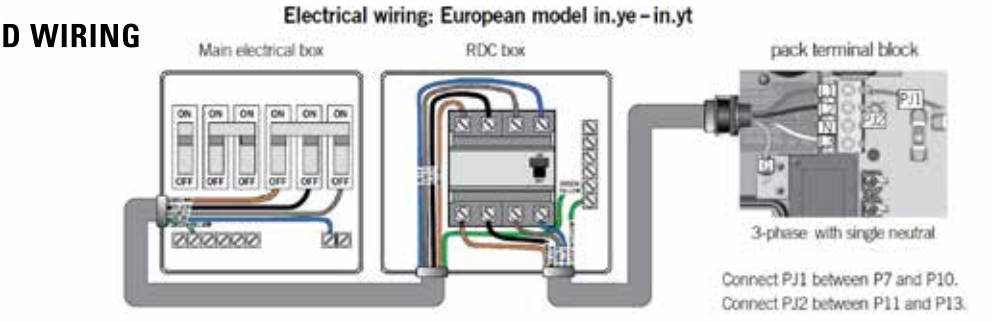
230 VOLT 50 Hz SINGLE PHASE RCD WIRING



230 VOLT 50 Hz DUAL PHASE RCD WIRING



230 VOLT 50 Hz THREE PHASE RCD WIRING



DRAINING YOUR HOT TUB USING THE EXCLUSIVE QUICKDRAIN™ SYSTEM

OVERVIEW

1. Requires 2 garden hoses- drain hose and fill hose. While the first hose is draining old water from your hot tub. The second hose is used to wash down the interior surface of the hot tub and for fresh water fill.
2. Check that the safety cap is securely in place and T-Valve is in the closed position.
3. Fill hot tub to the recommended level as indicated by the "MIN" and "MAX" marks on the weir door of the skimmer opening.
4. The spa should be filled through the skimmer opening (helps to prevent air locks using a standard garden hose.

TO DRAIN THE HOT TUB

1. Locate nearest drain facility (Check your local bylaws).
2. Put the hot tub control system into **STANDBY/DRAIN ASSIST*** mode. The system will automatically exit Standby Mode after 1 hour and resume normal operating functions.
3. Remove the skimmer basket so that the hole beneath it is accessible *(Fig.17)*, and insert the #10 rubber expansion plug provided *(Fig.18)*.
4. Attach garden hose to hose bib located on plumbing line beside the hot tub control system *(Fig.19)*.
5. Run garden hose to drain location.
6. Open hose bib.
7. Close filtration pump return gate valve next to the hose bib (this directs the water out the drain hose) *(Fig.20)*.
8. Activate the filtration pump.
9. Monitor the hot tub while it drains.
10. Use the second garden hose to wash down interior surface as the hot tub continues to drain. A sponge may also be used to wipe down the interior surface.
11. 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.
12. When the water from the drain hose turns clear (indicating fresh fill water), flush is complete.
13. Turn OFF the filtration pump.
14. Close the drain-hose bib on the hot tub plumbing line and continue filling hot tub with fresh water *(Fig.21)*.
15. Place cover on hot tub (to avoid splash-out).
16. Open filtration pump return gate valve.
17. Press any button on the topside control panel (other than the pump 1 button) to take the system out of STANDBY/ DRAIN ASSIST * mode. 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.
18. Continue adding fresh fill water until level is approximately 19mm (3/4 in.) from the top of the skimmer opening.
19. Once fill is complete, remove the #10 rubber expansion plug from the bottom of the skimmer housing.**
20. If the filter housing was opened to replace the cartridge filter, it will be necessary to release trapped air from the filter housing by carefully loosening the small black air vent/bleeder valve *(Fig.22)* located on the top of the filter housing. When water begins to escape close the air vent valve.
21. In the unlikely event of a pump air lock (pump 1 is operating but there is no water movement from the jets), refer to section PUMP PRIMING/RELEASING AN AIR LOCK

**** It may be necessary to put system into STANDBY/ DRAIN ASSIST* mode in order to remove plug.**

(Fig.17)

(Fig.18)

(Fig.19)

(Fig.20)

(Fig.21)

(Fig.22)

CLEANING THE ACRYLIC SURFACE

The acrylic surface can be cleaned and polished using a soft cloth and acrylic cleaner, available at your Hydropool Retailer.

- **IMPORTANT:** Do not use detergents - the re-maining residues will adversely affect water chemistry, making it difficult to maintain proper water balance.
- Do Not use abrasive cleaners - damage to the acrylic surface will occur.

SAFETY HARD COVER

When a hot tub is uncovered, over 90% of heat is lost from the water surface. This evaporation also affects the chemical balance and could create humidity problems indoors. HYDROPOOL Safety Hard Covers are engineered for maximum thermal efficiency and appearance. They are hinged in the middle for easier handling, and the zip fastener allows the tapered foam inserts to be changed if damaged. The skirt of the safety hard cover overlaps the lip of the hot tub for a finished fit. The handles are placed so that even one person can easily carry a large cover. The locks, with one part fastened to the deck or skirt, prevent small children or animals from entering the hot tub. Do not drag the safety hard cover across the hot tub or decking. Fold the cover first, then lift by the handles. Standing on the hardcover could cause the tapered foam inserts to crack, which will lead to water absorption.

NEVER LEAN OR STAND ON YOUR HARDCOVER.

The cover should be cleaned at least twice a year with a vinyl moisturizer and protector.

NOTE: ALWAYS ENSURE THE SAFETY HARDCOVER IS IN PLACE AND LOCKED WHENEVER THE HOT TUB IS NOT BEING USED. FAILURE TO DO SO MAY CAUSE DAMAGE OR CRACKING OF THE ACRYLIC SURFACE NOT COVERED UNDER THE WARRANTY.