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# **POOL ENVIRONMENTS, INC.**

## **INSTRUCTION MANUAL / TROUBLE SHOOTING GUIDE**

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### **TABLE OF CONTENTS**

<a href="#"><u>HEATER OPERATION</u></a>	Page 1
<a href="#"><u>BACKWASHING</u></a>	Page 1
<a href="#"><u>SPA OPERATION</u></a>	Page 2
<a href="#"><u>LOWERING WATER LEVEL IN POOL</u></a>	Page 3
<a href="#"><u>VACUUMING POOL</u></a>	Page 3
<a href="#"><u>HAIR AND LINT STRAINER BASKET</u></a>	Page 3
<a href="#"><u>GENERAL MAINTENANCE TIPS</u></a>	Page 4
<a href="#"><u>PREVENTATIVE MAINTENANCE PROGRAM</u></a>	Page 5
<a href="#"><u>POOL PROTECTION DURING FREEZING WEATHER</u></a>	Page 5 & 6
<a href="#"><u>CHEMICAL TESTING</u></a>	Page 7 & 8
<a href="#"><u>CHEMICAL RECOMMENDATIONS</u></a>	Page 7 & 8
<a href="#"><u>RECOMMENDED EQUIPMENT RUN TIMES</u></a>	Page 8
<a href="#"><u>COMMON CHEMICALS AND SUPPLIES</u></a>	Page 9
<a href="#"><u>OPTIONAL ITEMS</u></a>	Page 9
<a href="#"><u>TROUBLE SHOOTING</u></a>	Page 10
<a href="#"><u>REFERENCE DIAGRAMS</u></a>	Page 11, 12 & 13
<a href="#"><u>SALT SYSTEM DETAILS</u></a>	Page 14 & 15
<a href="#"><u>OPERATING MANUALS</u></a>	Page 16

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# INSTRUCTION MANUAL / TROUBLE SHOOTING GUIDE

## POOL HEATING INSTRUCTIONS (Manual / Computer)

1. Turn pump on. (manual) (see [fig. 9](#)) / On indoor panel filter button. (computer) (see [fig. 1](#))
2. Flip heater toggle switch to on. (manual) (see [fig. 7](#)) / On indoor panel push pool heater button. (computer) (see [fig. 1](#))
3. Adjust thermostat to desired level. (manual) (see [fig. 7](#)) / On indoor panel set temperature. (computer) (see [fig. 1](#)) (If you are trying to heat the pool daily in any automated manor contact Pool Environments for programming instructions.)

During normal operation, water is drawn from the pool main drain and skimmers into the pump suction, forced through the filter. through the heater, and back into the pool through the adjustable eyeball inlets located on the pool sidewalls.

### Non Computer Pools Only:

Your heater is a boiler-rated unit. Its internal parts remain hot long after the heater is turned off, either by the thermostat or manually. **TURN THE HEATER OFF 20 MINUTES PRIOR TO TURNING THE PUMP OFF.** This will allow cool water to circulate through the heater, thus allowing the unit to cool down. If this "Cool Down" process is not followed, you may experience serious damages and a sizeable service repair bill. (Cool Down Is Automatic with computer.)

We have installed a time clock which automatically turns off your heater before the pump is turned off. However, this function will only operate in the pool heating mode, not the spa heating mode.

## BACKWASHING

If your pool has been equipped with a D.E.S. filter, It should be backwashed approximately every two months or when the pressure registered on the gauge reads 10 P.S.I. OVER the normal running pressure. This pressure may vary from pool to pool (typically 19 to 24 p.s.i.). Backwashing cleans out the filter by reversing the flow of water in the chamber. The resulting dirty water is run into the sanitary sewer system. Your pool's normal operating pressure is ( \_\_\_\_\_ ) p.s.i. and the backwash is 10 p.s.i. over normal operating pressure.

1. Backwashing Operation
  - a. Turn the pump off (manual) (see [fig. 9](#)) / (With Computer go to time out) ([see Fig. 2](#))
  - b. Turn the cleaning system off. (manual) (see [fig. 9](#)) / (Automatic with Computer)
  - c. Raise the backwash valve. (Remember to twist to unlock)
  - d. Turn the pump on for 1 minute, or until the water starts to clear in the sight glass.
  - e. Turn the pump off again. (manual) (see [fig. 9](#)) / (With Computer go to time out) ([see Fig. 2](#)) (Use Filter Pump Button to turn on & off.)
  - f. Lower the backwash valve and turn the pump on for 10 seconds. (Use Filter Pump Button to turn on & off.)
  - g. Repeat steps "a" through "e" at least four times.
  - h. Add the required amount of D.E. into the nearest skimmer.

SMALLER pools, add ( 6 to 8) one-pound coffee cans of D.E. after backwashing.

LARGER pools, add (10) to (12) full coffee cans of D.E. after backwashing.

MULTIPLE FILTER installations, add (8) to (16) full coffee cans of D.E. after backwashing.

**CAUTION: NEVER** raise or lower the backwash "T-Bar" valve while the pump is running.

\*Twist to lock position to secure the backwash "T-Bar" valve in the lock position.

**SPA OPERATION: (Manual / Computer)**

1. Turn the pump on. (manual) (see [fig. 9](#)) / On indoor panel push spa button. (computer) (see [Fig. 1](#) & [Fig. 8](#))
2. Close the pool suction line & open the spa suction line by turning the Jandy 3-way valve (see [Fig. 5](#)) as instructed. (manual) / automated with computer.
3. Close the pool return line & open the spa return jet line by turning the Jandy 3-way valve (see [Fig. 5](#)) as instructed. (manual) / automated with computer.
4. Turn the cleaning system off if it's on. (manual) (see [fig. 9](#)) / automated with computer.
5. Turn on the heater toggle switch. (manual) (see [fig. 7](#)) / On indoor panel enable spa heat. (see [Fig. 1](#))
6. Adjust the thermostat to the desired temperature. (manual) (see [fig. 7](#)) / Push spa heat button to check for correct temperature setting. (computer) (see [Fig. 1](#) & [Fig. 8](#)) To change Computer Temperature Settings, Press or Highlite menu, press Select or Enter, Scroll or Highlite Temperature Setting, press Select or Enter, select Pool or Spa Temperature, use arrows to Adjust Temperature, press Select or Enter. You are DONE.

**NOTE:** Lubricate the air ventures regularly. Leave air ventures closed when the spa is not in use.

**TO TURN SPA OFF: (Manual / Computer)**

1. TURN OFF THE HEATER. (manual) (see [fig. 9](#)) / PUSH SPA HEAT & SPA BUTTON TO OFF. (computer) (see [Fig. 1](#) & [Fig. 8](#))
2. Close the spa suction line & open the pool suction lines by turning the Jandy 3-way valve (see [Fig. 5](#)) as instructed. (manual) / automated with computer.
3. Close the spa return jets & open the pool return lines by turning the Jandy 3-way (see [Fig. 5](#)) valve as instructed. (manual) / automated with computer.
4. Make sure the pump runs for at least 20 minutes after the heater is off to cool the heater down. (manual) (see [fig. 9](#)) / automated with computer.
5. Turn cleaning system on if necessary. (manual) (see [fig. 9](#)) / automated with computer.

**TO CLEAN THE SPA: (Manual / Computer)**

1. Close the pool suction line & open the spa suction line by turning the Jandy 3-way (see [Fig. 5](#)) to its spa use position. (manual) / Outdoor Panel (see [Fig. 2](#)) go to time out, select drain spa. (computer)
2. Leave the return Jandy valve in its normal position. (manual) / automated with computer.
3. Begin brushing the dirt in the spa towards the drain.

**NOTE: DO NOT ALLOW THE WATER TO DROP BELOW THE SPA LIGHT.**

**TO FILL THE SPA: (Manual / Computer)**

1. Close the spa suction line & open the pool suction line by turning the Jandy 3-way (see [Fig. 5](#)) to the normal operation position. (manual) / Outdoor Panel (see [Fig. 2](#)) go to time out, select fill spa / or Pool Mode & spa will fill. (computer)
2. Close the pool returns & open the spa jet return line by turning the Jandy 3-way (see [Fig. 5](#)) to the spa operation position. (manual) / automated with computer.
3. When spa is full of water, close the spa jet return line & open the pool return line by turning the Jandy 3-way (see [Fig. 5](#)) to the normal pool operation position. (manual) / Outdoor Panel, select normal pool, then return to automatic. (computer)

## **LOWER WATER LEVEL IN THE POOL / ONLY IF APPLICABLE**

1. Water level may be lowered by using the backwash method. Please refer to the backwash instructions on page 2.
2. If you do not wish to use the backwash method, you may attach a garden hose to the hose bib located on the pressure side of the pump. Open the valve to then allow the water to flow through into the yard. Pump Must Be Running.

## **VACUUMING THE POOL**

(Computer Pools go to Time Out operate Filter Pump button for On & Off.)

1. Close the main drain valve half way.
2. Close the skimmer valve on the skimmer not in use.
3. Attach the vacuum head to the telescoping pole.
4. Attach the vacuum hose to the vacuum head.
5. Starting at the vacuum head, feed the hose into the water to fill the hose with water.
6. Insert the free end of the hose through the skimmer mouth.
7. Once inside the skimmer mouth, insert the hose into the 1-1/2" diameter hole at the bottom of the skimmer. This hole is located under the skimmer basket and float.
8. Vacuum pool.
9. If the vacuum seems to lose its suction, check for air in the line or a possible clogged hair and lint strainer basket located at the pump.
10. When vacuuming is complete, remove the hose from the skimmer, replace the skimmer parts, and check the hair and lint strainer basket for trash.
11. Check the filter pressure gauge for increased pressure. Backwash if necessary.

## **HAIR AND LINT STRAINER BASKET: (Manual / Computer)**

1. Open the time clock door and turn the pump off. (manual) (see [Fig. 9](#)) / Outdoor panel go to time out. (computer) (see [Fig. 2](#))
2. Close both Jandy 3-way valve (see [Fig.5](#)) as instructed. / Close the pool main drain valve & each skimmer.
3. Loosen lid holding the hair and lint strainer basket lid in place.
4. Remove the basket and remove trapped material.
5. Replace the basket and lid. DO NOT OVERTIGHTEN.
6. OPEN both Jandy 3-way (see [Fig.5](#)) valves to their normal running position. / reverse step 2.
7. Turn the pump back on by way of the time clock. (manual) (see [Fig. 9](#)) / Computer Outdoor panel, push Filter Pump after Prime is Successful, Return to Auto
8. Bleed any air out of the filter from the air relief valve on top of the filter.

**NOTE:** The hair and lint strainer basket collects and holds material which either sifts through the skimmer baskets or is swept into the main drain. As it fills, the pump must work harder to circulate the pool water. In yards with a severe leaf problem, check the strainer basket after emptying the skimmer baskets as leaves will find their way around the basket as it is lifted.

Lubricate the O-Ring on the strainer lid regularly.

## GENERAL MAINTENANCE TIPS:

### 1. Automatic Cleaning System

- a. Save the literature for these units. It is full of good tips for your particular unit.
- b. Check the finger strainer located at the wall fitting weekly.
- c. "Rotate" the whip hoses 1/4 turn every month to distribute wear and extend the life.
- d. Clean the collection bag regularly. Dirt and leaves are heavy and can cause the unit to work harder and inefficiently.

**NOTE:** During the winter months, your cleaning system will not operate as efficient due to the cold weather.

### 2. Tile

Clean with Bonami/Comet or Baking Soda using a sponge, brush or Rag.

### 3. Lights

The lights are designed to cool by surrounding water and will burn out quickly if operated above water. **NEVER** turn the lights on if they are above or out of the water.

### 4. Pool Filter

Disassemble at least twice a year for inspection and cleaning.

### 5. Lubrication of Components

The rubber seals and gaskets throughout the equipment should be lubricated regularly with "Aqua-Lube" or other lubricants designed for application to rubber under water. Seals or "O-Ring" gaskets are found in the following location:

- a. Hair and lint strainer lid.
- b. Backwash "T-Bar" valve. Most pool owners will only be able to lubricate the vertical shaft which slides into the valve. Other gaskets inside should be lubricated by your serviceman if any leaks develop.

### 6. General Cleaning Sequence

If you wish to brush down the pool, clean the skimmer baskets, the hair and lint strainer baskets, or to backwash, please follow the sequence below:

- a. With the pump running, open the pool main drain and the skimmer valves. Remove and clean the skimmer baskets.
- b. If you wish to brush the pool, do it now.
- c. Turn off the pump by way of the time clock. Clean the hair and lint strainer basket.
- d. If you wish to backwash, do it now.

**NOTE:** This list gives you the sequence. They may be omitted to suit the situation.

## **PREVENTATIVE MAINTENANCE PROGRAM:**

(Vital to proper operation & equipment life expectancy.)

Pool Environments, Inc., recommends a semi-annual maintenance program to your pool equipment.

Services included in this program are:

1. Inspect pad equipment for leaks or wear.
2. Lubricate pump, filter and backwash o-rings.
3. Disassemble filter and clean filter grids.
4. Check pool chemistry.
5. Check heater operation.

This service is recommended to ALL pool owners, as a regular maintenance program keeps your equipment in prime condition during the summer months and the freezing days of winter. Please call our office at 985-1576 for further details.

## **POOL PROTECTION DURING FREEZING WEATHER:**

Your pool is equipped with a freeze-prevention switch. This switch operates during freezing weather by overriding the time clock, thus turning the pool pump on. The resulting water circulation greatly reduces the possibility of the plumbing freezing. This switch does not heat the water.

## **POWER OR PUMP FAILURE DURING FREEZING WEATHER:**

1. Turn off pool switches at main breaker panel.
2. Filter: Open air relief valve on top and remove the white cap at the bottom to drain unit.
3. Sight Glass: Open hose bib next to sight glass.
4. Heater: Open drain cocks on either side of heater.
5. Pump: Remove hair and lint strainer basket lid and strainer basket pot and at bottom of pump.
6. Polaris: Remove black rubber hose at polaris motor.
7. Valves: Open ALL valves.
8. Reverse the above steps when power is restored.

**NOTE:** Freeze damage is **NOT** covered under any warranty so please read and follow directions carefully.

## **PROCEDURES TO BE USED DURING A FREEZE:**

1. Make sure skimmers and pump pot is clean and clear of any debris.
2. Fill lines (Manual): Disconnect the fill line during freezing weather to avoid damaging household plumbing.
3. Spa: Open the spa jet valve during freezing weather to maintain freeze damage. Open spa drain valve 1/4 to 1/2 way open.
4. Time Clock: As mentioned above, the freeze prevention switch will override any time clock setting. It is still recommended to remove the clock dial(s) and manually turn the system on.
5. Automatic Cleaning System: During freezing weather, disconnect cleaning unit from pool, drain unit and hoses and store in a protected area.
6. Separation Tank (if installed): Always make certain the separation tank drain valves are open as directed during freezing weather.
7. Always make sure water level is in middle of tile line.
8. Backwash sight glass (if so equipped): If water remains in the sight glass after backwashing, it should be drained to avoid freeze damage. Loosen the bolts slightly to allow the water to drain. Replace pin in backwash valve.
9. Slide: Drain slide tubing during the winter months to avoid freeze damage.

### **EXTREME FREEZING CONDITIONS:**

If you should experience extreme freezing conditions, such as ice formation on the pool and/or spa water surface, or temperatures drop down to the mid teens or below, the following should be preformed:

1. Turn heater on highest setting for at least 10 hours.

Note: Although pool motor may be running, it is activated by the Prevent-A-Freeze switch. For the heater to fire, be sure the time clock for the pool motor is in the "on" position.

2. Open Valves

- a. Spa drain valve should be 1/4 to 1/2 way open
- b. All other valves should be fully open.

3. Check water level

a. If ice develops on surface of pool, water level should be maintained higher than normal to compensate for the thickness of the ice to insure proper flow into the skimmers.

b. When the heater is on, water will evaporate quicker than normal. Check the water level at least once daily.

**NOTE:** If your fill line or house hose bib freezes, it may be necessary to fill pool with the washing machine hose bib inside your house.

4. Observe

a. When it is extremely cold, the pressure gauge on you filter may become frozen and non-functional. If this occurs, you must notice circulation from your return lines in your pool.

b. Check skimmers for water flow. When ice is on the surface, it could freeze the skimmer wier (flap at the front of skimmer). If this occurs, it could prevent water flow into skimmers.

**KEEP ICE BROKEN AWAY FROM SKIMMERS.**

### **COMPUTER EXTREME FREEZING CONDITIONS:**

In Menu Scroll to System Setup, Select or Enter, Scroll to Freeze Protect, Select or Enter, Choose to Protect Spa, Select or Enter

**CHEMICALS: Standard** (contact Pool Environments for variations with Salt Pools)

If water temperature is 50 degrees or below, testing should be performed once every 2 weeks.

If water temperature is between 50 to 85 degrees, testing should be performed once a week.

If water temperature is 85 degrees or above, it is suggested to perform the testing 2 times per week if possible but it is not absolutely necessary.

1. Chlorine: If chlorine level is above 3.0 discontinue testing for a day or so until level lowers or further testing will be inaccurate.
2. Alkalinity: Total alkalinity range acceptable for most plaster pool is between 100 to 120 ppm (parts per million), optimum 110 ppm. In the winter, alkalinity should be kept at 120 ppm. Due to our local water conditions and the fact that you have a plaster pool, it is very unlikely that the alkalinity level will ever go over 150 ppm. However, if it should ever go above 150 ppm, call your service technician for instructions. When alkalinity tests out of the acceptable range (below 100 ppm or over 150 ppm), you must adjust the level before proceeding any further.

**NOTE:** When adding chemicals to pool, pool pump and cleaner must be running. **NEVER** add chemicals at the same time or within 30 minutes of each other.

a. To raise alkalinity: 2 pounds of baking soda will raise the level by 10 ppm. Example: If the alkalinity level is 70 ppm it should be raised to 110 ppm. To do this, you would add 8 pounds of baking soda. To add baking soda, broadcast it as evenly across pool surface. Wait for 30 minutes then proceed to the next test. Alkalinity must be in Acceptable Range before PH test is performed.

3. PH: The PH test is the single most important chemical level in the pool a PH Level of 7.4 to 7.6 is recommended for sparkling water, effective bacteria control, minimum corrosion of fittings and maximum bather comfort

a. If the PH is above 7.6, perform an acid demand test and add the required amount of muriatic acid to drop the PH level down to 7.4.

**NOTE:** If alkalinity is within the acceptable level the PH will not ever be below 7.2.

4. If water temperature deems it necessary to shock pool, do so 30 minutes after adding the muriatic acid.

**RECOMMENDED SHOCK TREATMENT AND BRUSHING:**

( Frequency varies for Salt Pools) Contact Pool Environments for Details.

WATER TEMPERATURE	SHOCK	BRUSH
Below 50 deg.	once every 2 months	once a month (entire pool)
50 - 80 deg.	once every 4 to 6 wks.	every 2 to 3 wks
80 - 85 deg.	once every 2 weeks	once a week
85 deg & higher	once a week	once a week

These frequencies are approximate. A regular check of your pool is recommended as each pool varies, due to conditions. This minimum required brushing will help to prevent bacteria build up and possible staining.

5. If shocking is not needed but chlorine level is too low for water temperature, adjust the dial of the in-line chlorinator at the equipment pad upwards or adjust Salt Generator to Higher setting.

**SUGGESTED CHLORINE AND CALCIUM LEVELS BY TEMPERATURE:**

WATER TEMPERATURE:	CHLORINE LEVEL:	CALCIUM LEVEL:
Below 60	.30	400 ppm
60 to 65	.50	250 ppm
65 to 75	.80	225 ppm
75 to 85	1.0 to 1.5	200 ppm
85 or up	2.0 to 3.0	200 ppm

**REMEMBER:** Always dilute acid by pouring **ACID INTO WATER**, not water into acid. Always open chemical containers in a well-ventilated area - **THAT MEANS OUTDOORS!!!**

**\*\* NEVER:** Mix two or more chemicals together - Chlorine will always ignite or explode if mixed with acid.

**RECOMMENDED RUN TIMES FOR 550 TO 650 SQUARE FOOT POOLS**

WATER TEMPERATURE:	RUN TIME:
Below 50 deg.	4 hours *
50 - 85 deg.	6 - 8 hours
85 deg. & Higher	12 hours

\* Winter 4 hour Run Time is most Efficient electrically, Run 1 am to 6 am.

**CHLORINE SAVING TIPS (Summer Months Only)**

After second week start up time, add a chlorine stabilizer to water. Add a three pound jar for a 600 square foot pool. This will drop the chlorine consumption. Your stabilizer residual should stay between 25 to 40 ppm.

**!!!ALWAYS REMEMBER: ANY PROBLEMS OR QUESTIONS PLEASE CALL US:**

**POOL ENVIRONMENTS**

**(972) 985-1576 Fax: (972) 964-1685**

**Email: [service@poolenvironments.com](mailto:service@poolenvironments.com)**

**COMMON CHEMICALS AND SUPPLIES:**

3" Trichlor tablets (Only in Non Salt Pools)

Dichlor Granular (For Shocking / Oxidizing)

Calcium Hypo Chlorite (For Shocking / Oxidizing)

25 lbs. bag of D.E.

4 gallons of Muratic Acid

12 lbs. Of Baking Soda in 4 lb. Boxes

Sodium Monoper Sulfate (Non Chlorine Oxidizer) ( Saline Pools Only)

**OPTIONAL ITEMS:**

Rubbermaid trash can with lid

Hooks to hang poles on fence

Plastic D.E. scoop

Floating Thermometer

**TROUBLE SHOOTING:**

**LIGHTS NOT WORKING:**

**(1) ALL LIGHTS WILL NOT COME ON:**

**CHECK G.F.C.I. ( GROUND FAULT CIRCUIT INTERRUPTER )**



**IF YOU HAVE MORE THAN 3 LIGHTS YOU MAY HAVE MORE THAN 1 (ONE) G.F.C.I.**

**BE SURE THAT RESET BUTTON IS PUSHED IN & STAYS IN. IF IT DOES NOT CONTACT US A.S.A.P.**

**ALL G.F.C.I.'s WILL TRIP NORMALY 3 TO SIX TIMES PER YEAR, DUE TO STORMS OR ELECTRICAL SURGES.**

**(2) HEATER NOT HEATING:**

**CHECK ON / OFF SWITCH ON THE HEATER. BE SURE THERMOSTAT DIALS ARE SET TO MAX (HOT). HEATER DIGITAL SHOULD READ REM OFF OR COMPUTER CAN NOT CONTROL HEATER OR TEMPERATURE FROM INDOOR PANEL.**



**(3) SPA CONTINUES TO SPILL OVER SPILLWAY & SPA DOES NOT HEAT, OR IT IS DRAINING IN SPA OPERATION.**

**CHECK THE 3 POSITION TOGGLE SWITCH ON THE JANDY JVA 2440 VALVE ACTUATORS ARE SET IN CORRECT POSITION ACCORDING TO YOUR SYSTEM. (See your Instruction notes for correct position.)**

**AUTO IS =**  
**TO \_\_\_\_\_**



**AUTO IS =**  
**TO \_\_\_\_\_**

## Reference Diagrams

(Fig. 1)  
Jandy AquaLink RS inside panel



(Fig. 2)  
Jandy AquaLink RS outdoor panel



(Fig. 3)  
Jandy Spa Side Remote Switch

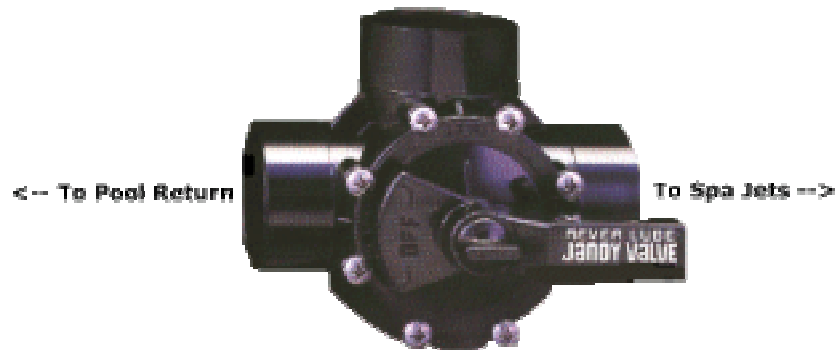


## Reference Diagrams

( Fig. 4 )  
Jandy JVA 2440 Valve Actuator



( Fig. 5 )  
Jandy Never Lube Valve

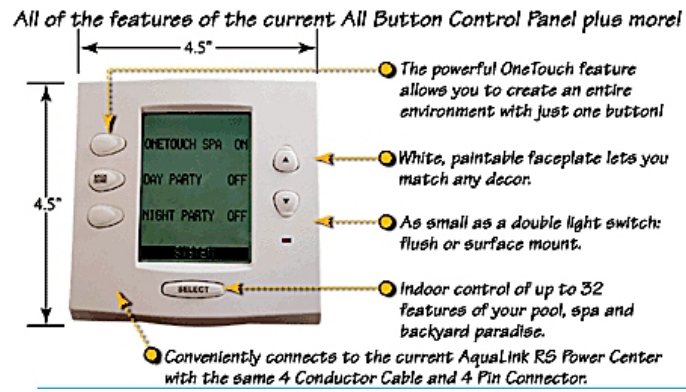


( Fig. 7 )  
Heater Control Panel



## Reference Diagrams

( Fig. 8 )  
Jandy AquaLink RS OneTouch



Jandy  
**AquaLink<sup>RS</sup>**

( Fig. 9 )  
Dual Time Clock



# Salt System

## **Details:**

Aqua Rite Systems:

Low salt always triggers low salt warning light & check cell

Proper operating Range:

Minimum 2900 PPM salt, maximum 3400 ppm

Cynauric acid levels minimum 65 ppm, maximum 90 ppm.

Never totally trust digital read on unit for salt level

Always test salt minimum twice Per year, optimum every 3 months.

Clean salt cell minimum twice Per year, optimum every 3 months

Every 500 hours of run time the unit shuts down & goes into a check cell mode. You must push & hold diagnostic button on outdoor panel for 10 seconds, this will restart internal timer.

Winter water temperature will affect unit's performance.

Cell life depends on consistent main salt levels

Recommendations when water temperature is below 55 discontinue use of system.

Suggested ALK level 90 to 100 ppm.





# Eco-Matic Systems

Digital output is the efficiency of cell output ...example 85% vs. 100% output.

Salt levels minimum 2900 maximum 3800 ppm, cyanuric acid levels minimum 65 maximum 90 ppm, alkalinity recommended level 90 to 110 ppm.

On face of outdoor unit diagnostic details on lights are printed.

Clean cells minimum twice per year, optimum every 3 months.

Test Salt Levels minimum twice per year, optimum every 3 months.

With proper salt levels:

Led 1 will be green

Led 2 will be green

If led 2 is red insufficient salt

\*See chart for what's happening

Provided LED 1 and LED 2 are both GREEN (and the 'Cell' is not scaling excessively), your Eco-MATIC is performing (producing) satisfactorily.

Indicator	Display	LED 1	LED 2	What's Happening
STAND-BY ON	Blank	Green	Green	<ol style="list-style-type: none"> <li>Unit is in <b>start-up</b> mode.</li> <li>'Cell' is in OFF cycle during normal operation. (refer <b>System Control</b>)</li> <li><b>System Control</b> set at MIN.</li> </ol>
FLOW ON STAND-BY ON	Blank	Green	Green	<ol style="list-style-type: none"> <li>Insufficient flow through 'Cell' (gas or air at 'Cell', check pump/pipes for damage, leaks).</li> <li>Gas Sensor lead not connected to 'Cell'.</li> </ol>
	Approx 90-105	Green	Green	System operating normally.
	Approx 90-105	Green	Red	<ol style="list-style-type: none"> <li>'Cell' is dirty, scale build-up. Clean 'Cell'.</li> <li>Water temperature cold. Switch to <b>Winter Mode</b>.</li> <li>Salt Level below minimum. Add salt.</li> <li>'Cell' failing. Test and/or replace 'Cell'.</li> </ol>
	Varying	Red	Red	Unit preparing to <b>Cut-Out</b> . (see <b>Low Salinity Indicator and Cut-Out</b> ) Units without the Cut-Out feature will continue to operate but with potential shortening of 'Cell' life. <ol style="list-style-type: none"> <li>'Cell' is dirty, scale build-up. Clean 'Cell'.</li> <li>Water temperature cold. Switch to <b>Winter Mode</b>.</li> <li>Salt Level below minimum. Add salt.</li> <li>'Cell' failing. Test and/or replace 'Cell'.</li> </ol>
STAND-BY ON	Blank	Red	Red	System Protection activated. Unit has <b>Cut-Out</b> . Follow above procedures
WINTER MODE ON	Approx 75-85	Green	Green	System operating normally - in <b>Winter Mode</b> . Only operate in <b>Winter Mode</b> if water is very cold. Red LED(s): Scaled 'Cell' or Low Salt Level.

## Printable Manual Downloads

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[AquaLink RS OneTouch Owner's Manual \(.pdf, 2.5 MB\)](#)

[http://www.jandy.com/pdfs/OneTouch\\_Manual.pdf](http://www.jandy.com/pdfs/OneTouch_Manual.pdf)

[AquaLink RS Owner's Manual, All Button \(.pdf, 633 kb\)](#)

[http://www.jandy.com/pdfs/Allbutton\\_manual.pdf](http://www.jandy.com/pdfs/Allbutton_manual.pdf)

**AQUA RITE<sup>®</sup> IS** -- *Electronic Chlorine Generator*

### AquaRite Operation Manual

<http://www.goldlinecontrols.com/products/media/132616.pdf>



[RP2100 Gas Pool/Spa Heater \(Models 185, 265, 335, 405\) - Manual \(PDF\)](#)

<http://www.raypak.com/uploads/6000.52AF.pdf>

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**Eco-Matic OWNER'S GUIDE**  
**Eco-Matic 'ESR' and 'ESC' Series**  
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# **POOL ENVIRONMENTS SERVICE**

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## **CONTENTS**

<b><u><a href="#">HEATER OPERATION</a></u></b>	Page 1
<b><u><a href="#">BACKWASHING</a></u></b>	Page 1
<b><u><a href="#">SPA OPERATION</a></u></b>	Page 2
<b><u><a href="#">LOWERING WATER LEVEL IN POOL</a></u></b>	Page 3
<b><u><a href="#">VACUUMING POOL</a></u></b>	Page 3
<b><u><a href="#">HAIR AND LINT STRAINER BASKET</a></u></b>	Page 3
<b><u><a href="#">GENERAL MAINTENANCE TIPS</a></u></b>	Page 4
<b><u><a href="#">PREVENTATIVE MAINTENANCE PROGRAM</a></u></b>	Page 5
<b><u><a href="#">POOL PROTECTION DURING FREEZING WEATHER</a></u></b>	Page 5 & 6
<b><u><a href="#">CHEMICAL TESTING</a></u></b>	Page 7 & 8
<b><u><a href="#">CHEMICAL RECOMMENDATIONS</a></u></b>	Page 7 & 8
<b><u><a href="#">RECOMMENDED EQUIPMENT RUN TIMES</a></u></b>	Page 8
<b><u><a href="#">COMMON CHEMICALS AND SUPPLIES</a></u></b>	Page 9
<b><u><a href="#">OPTIONAL ITEMS</a></u></b>	Page 9
<b><u><a href="#">TROUBLE SHOOTING</a></u></b>	Page 10
<b><u><a href="#">REFERENCE DIAGRAMS</a></u></b>	Page 11, 12 & 13
<b><u><a href="#">SALT SYSTEM DETAILS</a></u></b>	Page 14 & 15
<b><u><a href="#">OPERATING MANUALS</a></u></b>	Page 16