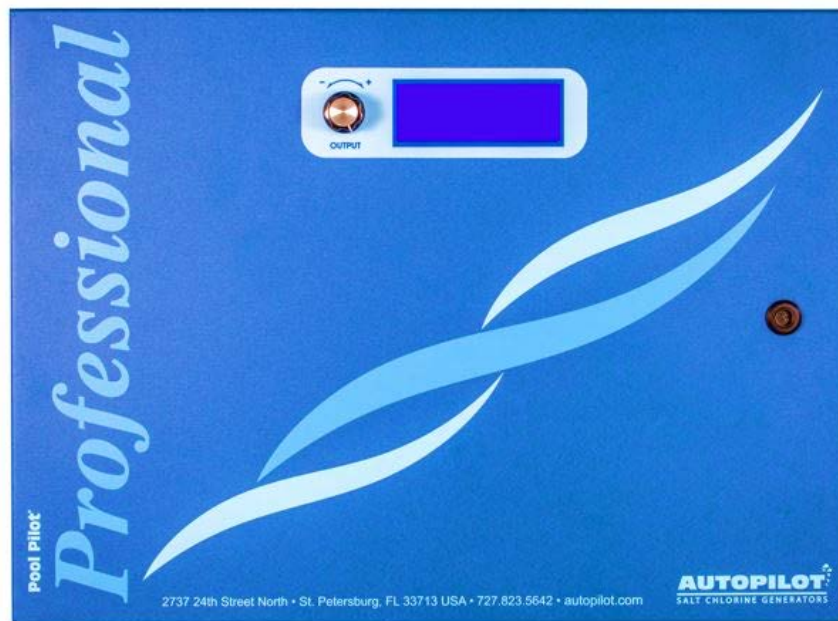


Pool Pilot® *PRO WC*

PROA & PROB Water Cooled Series

Swimming Pool Purification System



Owner's Manual: Installation / Operation and Maintenance

This manual covers the installation and operation of the AutoPilot® PRO WC Chlorine Generators

Important!

Read this manual and product labels before installing or operating this equipment.
This document is Purchaser's property and is to remain with the equipment owner.

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If you should need to contact AquaCal AutoPilot, Inc. for questions, service, or parts, please have your model and serial numbers available. Please also have the name of your installer and date of your equipment's installation. If you have questions, please refer to our website for the latest manual revisions, additional information, and helpful service advice.

Web	www.AutoPilot.com
Phone	(727) 823-5642 8-5 pm, EST., M-F
Fax	(727) 821-7471
Address	AquaCal AutoPilot, Inc. 2737 24 th Street North St. Petersburg, Florida 33713 USA

Power Supply Serial #	
Cell Serial #	
Install Date	
Installer	

Factory Direct Customer Assistance
Email to: customersupport@aquacal.com

Visit Us On The Internet @
www.autopilot.com

SECTION 1 DESCRIPTION

1.1 GENERAL INFORMATION

The AutoPilot® PRO WC Water Cooled Series Saline Chlorination system is the most electrically efficient, on-site sodium hypochlorite generator offered by AquaCal AutoPilot, Inc. The system is designed for commercial swimming pool applications and is capable of producing up to 28 lbs. of equivalent chlorine per day. The system manufactures bleach continuously from a salt concentration of 3,500 to 5,000 ppm added to the pool or spa. The AutoPilot® system is designed for commercial service and can be operated 24 hours a day or controlled by any pool controller. All models have digital displays that show system status, salt concentration, and temperature.

1.2 PRINCIPLES OF OPERATION

Electrolytic Cell Assembly

The electrolytic cell assembly consists of a clear PVC cell housing containing an electrolytic cell made from precious metal coated cell plates. Pool water from the pool circulation system is directed through the cell in an off-line installation. The pool water maintained between 3,500 and 5,000 ppm salt concentration is converted in the electrolytic cell to sodium hypochlorite. The sodium hypochlorite is then circulated to the pool and combines with organics and further combines to form salt to be used again by the electrolytic cell. This is called a closed loop system because the salt is used repeatedly and is only lost through splash-out, backwashing and rainfall.

Power Supply and Control Box

The power supply provides current to the electrolytic cells to produce the rated amount of sodium hypochlorite. The power supply uses switched-mode technology, currently the most electrically efficient method of producing current for an electrolytic cell. The power supply is equipped with safety features to prevent system operation in the event of a malfunction.

Salt Control

Salt control can be added to the AutoPilot® PRO WC Series Chlorinator. The AutoPilot® PRO WC Series Chlorinator monitors the salt concentration of the pool water and will only allow the system to generate chlorine if the salt concentration is above 3,000 ppm. This will protect the system from low salt conditions. The system uses a non-contacting toroidal sensor to monitor salt concentrations. The toroidal probe is connected to the power supply. The LCD displays the salt concentration. The controller is factory programmed to prevent chlorinator operation in the event of low salt and can be used to automate salt concentrations in the pool with the addition of a Saturated Salt Feeder, peristaltic pump, and relay box.

1.3 GENERAL SPECIFICATIONS

Sodium Hypochlorite Production:

Model Designation	Sodium Hypochlorite Production (lbs/day)	Rated Power in DC Amps	Rated Pressure	Minimum Water Flow Rate (gpm)	Inlet Diameter (Inches)	Outlet Diameter (Inches)
PROA8	8 lbs/day (3.63 kg)	50	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1 in (2.5 cm)	1 in (2.5 cm)
PROA11	11 lbs/day (4.99 kg)	50	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1 in (2.5 cm)	1 in (2.5 cm)
PROA14	14 lbs/day (6.35 kg)	50	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1 in (2.5 cm)	1 in (2.5 cm)
PROB17	17 lbs/day (7.71 kg)	100	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1 in (2.5 cm)	1 in (2.5 cm)
PROB22	22 lbs/day (9.98 kg)	100	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1-1/2 in (3.8 cm)	1-1/2 in (3.8 cm)
PROB28	28 lbs/day (12.7 kg)	100	50 psi (345 kpa)	20 gpm (4.54 m ³ /h)	1-1/2 in (3.8 cm)	1-1/2 in (3.8 cm)

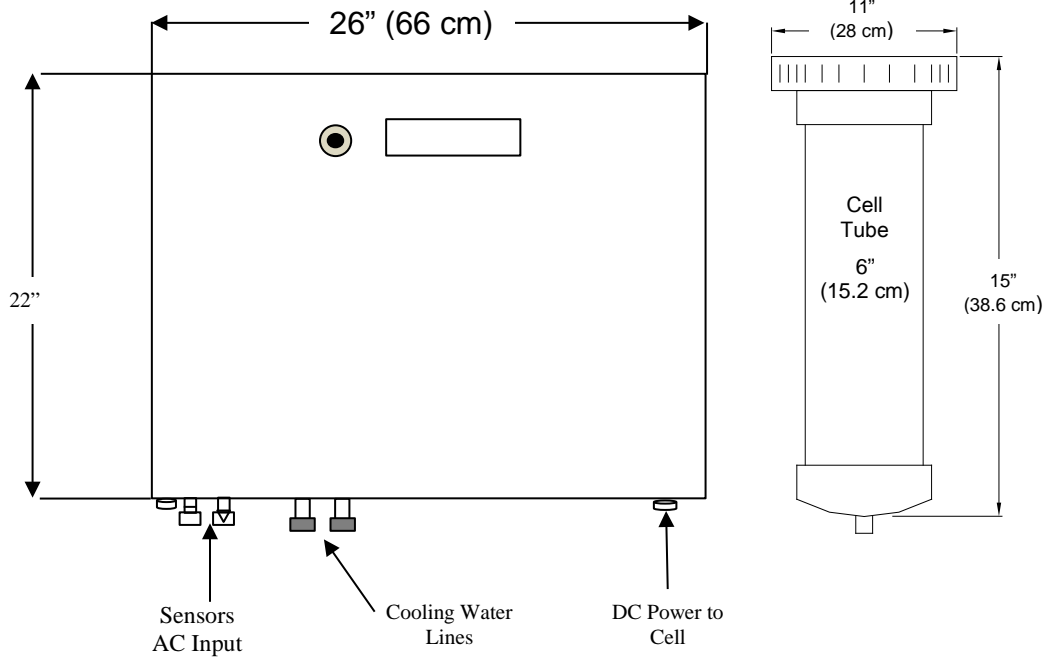
Electrical Requirements:

Model Designation	AC Input Voltage	Phases	Frequency	Amps	Fuse Size	GFCI Breaker
PROA8	110 to 240	1	50/60 Hz	15/7.5	20A	20A
PROA11	110 to 240	1	50/60 Hz	15/7.5	20A	20A
PROA14	110 to 240	1	50/60 Hz	15/7.5	20A	20A
PROB17	208 to 240	1	50/60 Hz	15	20A	30A
PROB22	208 to 240	1	50/60 Hz	15	20A	30A
PROB28	208 to 240	1	50/60 Hz	15	20A	30A

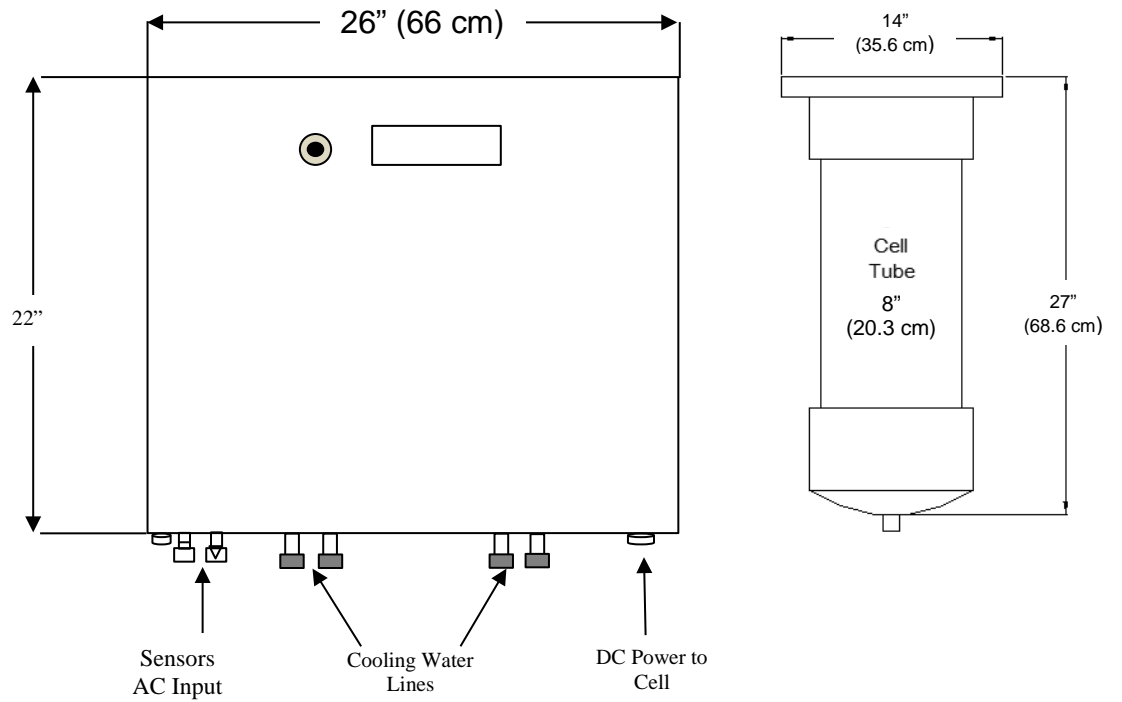
The AutoPilot® PRO WC systems require a 120 VAC control signal from a chemical feed controller or from a standard 15-amp wall outlet. The control connection is rated at 1-amp.

Space Requirements

PROA8, 11, 14 & PROB17



PROB22 & PROB28



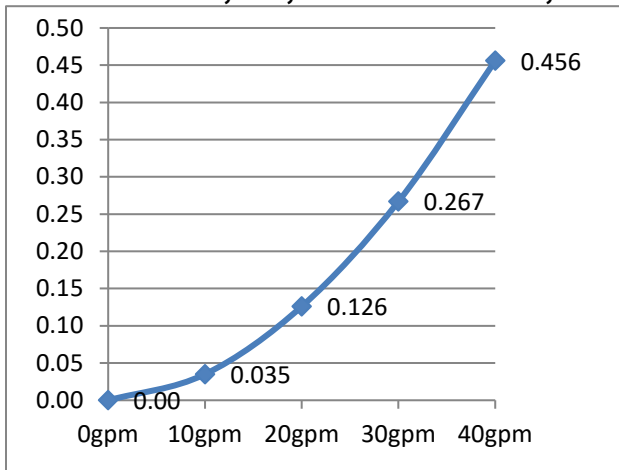
Sizing Guidelines

Chlorinator sizing must comply with all state and local codes. Please contact your local health department for specific requirements or contact your local AquaCal AutoPilot, Inc. representative for assistance.

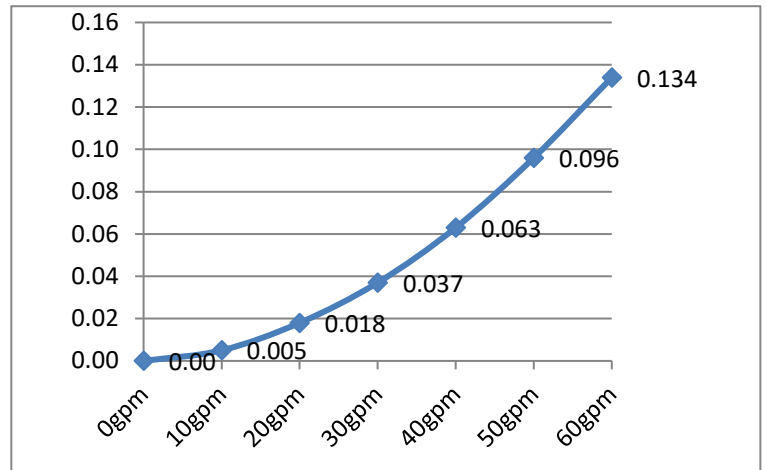
Head Loss Data – Cell Only Without Accessory Kit

Head loss data reported in feet of H₂O

PROA8, 11, 14 & PROB17, 22



PROB22 & PROB28



SECTION 2 INSTALLATION

2.1 UNPACKING

Units are shipped from the factory. In the event of damages during shipping, it is the responsibility of the customer to notify the carrier immediately and to file a damage claim. Open the boxes carefully and examine all material inside. Check against the packing list to be sure that all items are accounted for and intact.

2.2 STORAGE

When storing units, use the original packaging and store under a shelter to protect the contents from weather.

2.3 SAFETY

IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS

SAVE THESE INSTRUCTIONS

When installing, operating, and maintaining this equipment, keep safety considerations foremost. Use proper tools, protective clothing, and eye protection when working on or installing the equipment. Follow the instructions in this manual and take any additional safety measures appropriate. Be extremely careful in the presence of hazardous substances. The personnel responsible for installation, operation, and maintenance of this equipment must be fully familiar with the contents of this manual. Any servicing of this equipment must be done with the unit fully off and disconnected from the power source and all pressure bled from the liquid lines.

 **WARNING:** Failure to heed the following may result in injury or death.

- RISK OF ELECTRICAL SHOCK - Disconnect all AC power when installing or servicing this system. Follow all state, local, and National Electrical Code(s) (provincial and Canadian Electrical Code(s) if applicable). Use copper conductors only.
- RISK OF ELECTRICAL SHOCK - AutoPilot® PRO WC systems are intended to be installed according to all local and national regulations.
- RISK OF ELECTRICAL SHOCK - Connect the equipment assembly to a circuit protected by a ground-fault circuit-interrupter.
- RISK OF ELECTRICAL SHOCK - Only a certified technician may install and service the AutoPilot® PRO WC system.

- RISK OF ELECTRICAL SHOCK - Modifying the AutoPilot® PRO WC system in any way may cause bodily injury and will void the warranty.
- RISK OF ELECTRICAL SHOCK - Only replace components with those specified by the manufacturer.
- RISK OF ELECTRICAL SHOCK - When installing the system, ensure that power is linked to the main pump power source for the pool to ensure that the AutoPilot® PRO WC system never operates when the pumps are off.
- RISK OF ELECTRICAL SHOCK - All boxes on the AutoPilot® PRO WC system contain high voltage components. Never open any box while the power is on.
- RISK OF ELECTRICAL SHOCK – DANGER
 - Replace damaged cord immediately
 - Do not bury cord
- PERSONAL SAFETY HAZARD – The system has the potential to release high doses of chlorine. Use caution when handling, servicing, or operating the equipment. Do not energize or operate the system if the cell housing is damaged or improperly assembled.
- PERSONAL SAFETY HAZARD – Do not allow children to operate the AutoPilot® PRO WC system.
- CHEMICAL HAZARD - Always follow the instructions on the manufacturer's label whenever handling or using chemicals.
- Cord Connected at time of manufacture.

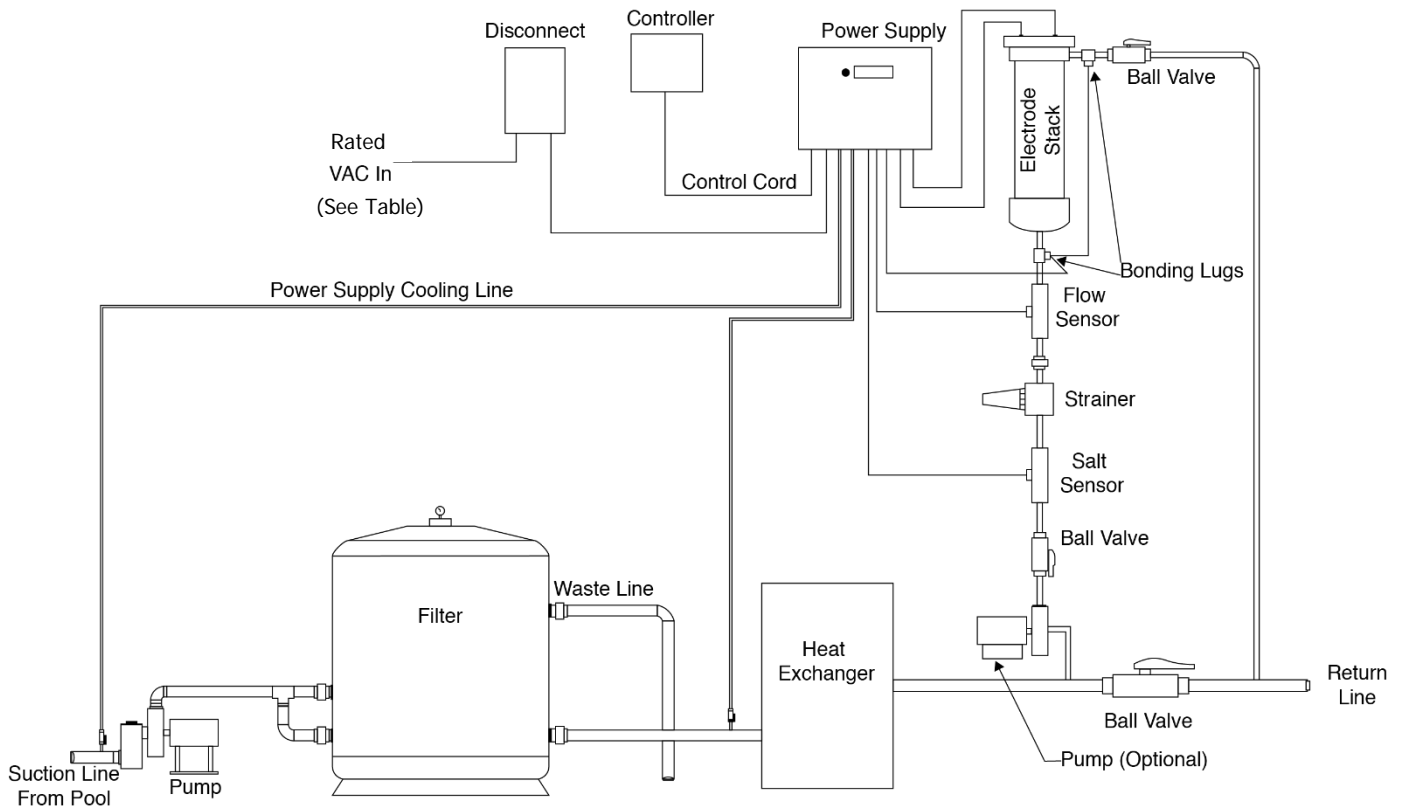
2.4 PLAN AHEAD

Almost every pump room encountered is different. It is imperative to have prior knowledge of the facility in which the unit is to be installed and to evaluate what type of tools, wall anchors, etc. will be needed to make the installation as problem free as possible.

2.5 ADDITIONAL PARTS REQUIRED FOR INSTALLATION

- Polypropylene tubing, both 1/2 and 3/8 inch
- 1 or 1-1/2 inch PVC tubing or pipe
- PVC fittings as needed
- Anchors and mounting hardware

2.6 INSTALLATION DIAGRAM



2.7 POWER SUPPLY INSTALLATION

⚠ WARNING: Failure to heed the following may result in injury or death.

- RISK OF ELECTRICAL SHOCK - All electrical connections should be made by a licensed electrician or certified electrical contractor.
- RISK OF ELECTRICAL SHOCK - Ensure electrical power is disconnected before wiring the unit. Follow all state / local NEC (CEC if applicable) electrical codes. Use copper conductors, only.
- RISK OF ELECTRICAL SHOCK - The AutoPilot® PRO WC system must be mounted a minimum of 5 ft. (1.5 m) from the pool.

⚠ CAUTION: Failure to heed the following may result in personal injury or equipment damage.

- Due to the weight of the Control Center, it is recommended to have another person assist you when mounting to the wall.
- Never try to support the weight of the power supply or electrolytic cell using only drywall anchors.

Locate a suitable space on the wall, in the equipment room, that will accommodate the dimensions of the system. The power supply brackets should be mounted to a solid wall surface or wall stud. Failure to mount the power supply properly may result in the dislodging of the unit, which can cause serious injury. Make certain there is a clear area in front of the power supply so that the front access door can swing open completely. The cell assembly must be mounted no more than 8' (2.4 m) away from the power supply to ensure that the cables will reach the cell.

2.8 ELECTROLYTIC CELL INSTALLATION

⚠ WARNING: Failure to heed the following may result in injury or death.

- **The mounting location of the electrolytic cell must be at least 5 ft. (1.5 m) from the pool.**

Install the cell mounting bracket to the wall using appropriate hardware. Ensure that the wall mount is level. Mount the electrolytic cell and tube to the mounting backboard. The cell and tube should be mounted within 8 ft. (2.4 m) of the power supply. In order to allow for easy service and maintenance, do not install any other equipment less than 30 in (77 cm) above the cell tube. The cell anode assembly may need to be removed for service.



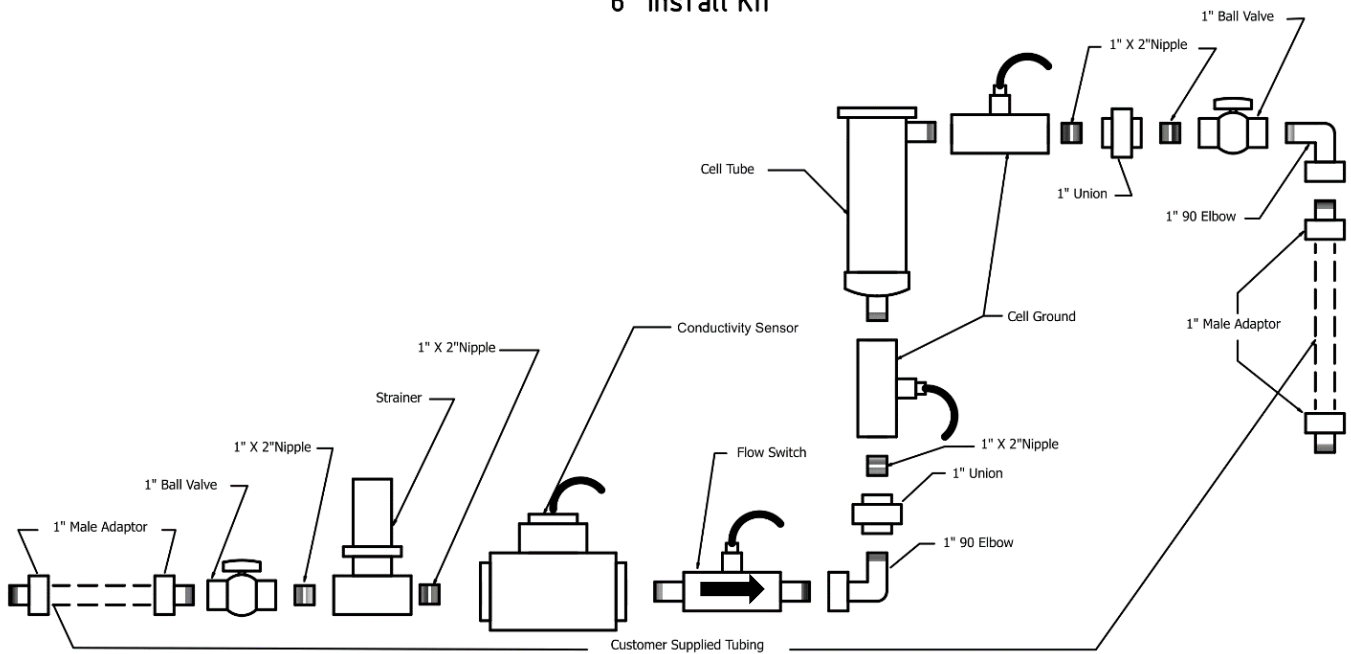
2.9 INSTALL KIT INSTALLATION

Confirm all parts listed in the installation kit are available. Follow the diagram below when positioning the parts provided in the installation kit.

NOTE: The flow switch must be installed with the arrow facing the bottom of the cell tube.

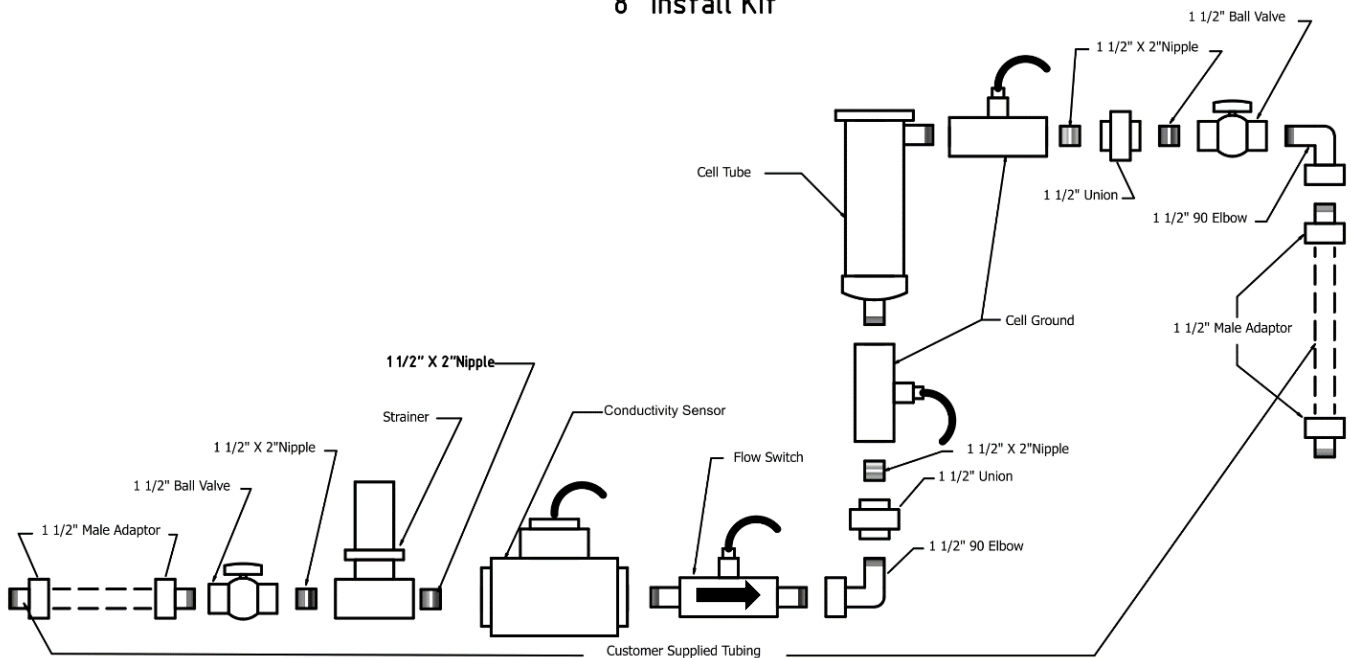
PROA8, PROA11, PROA14, PROB17 Assembly Diagram

6" Install Kit



PROB22 & PROB28 Assembly Diagram

8" Install Kit



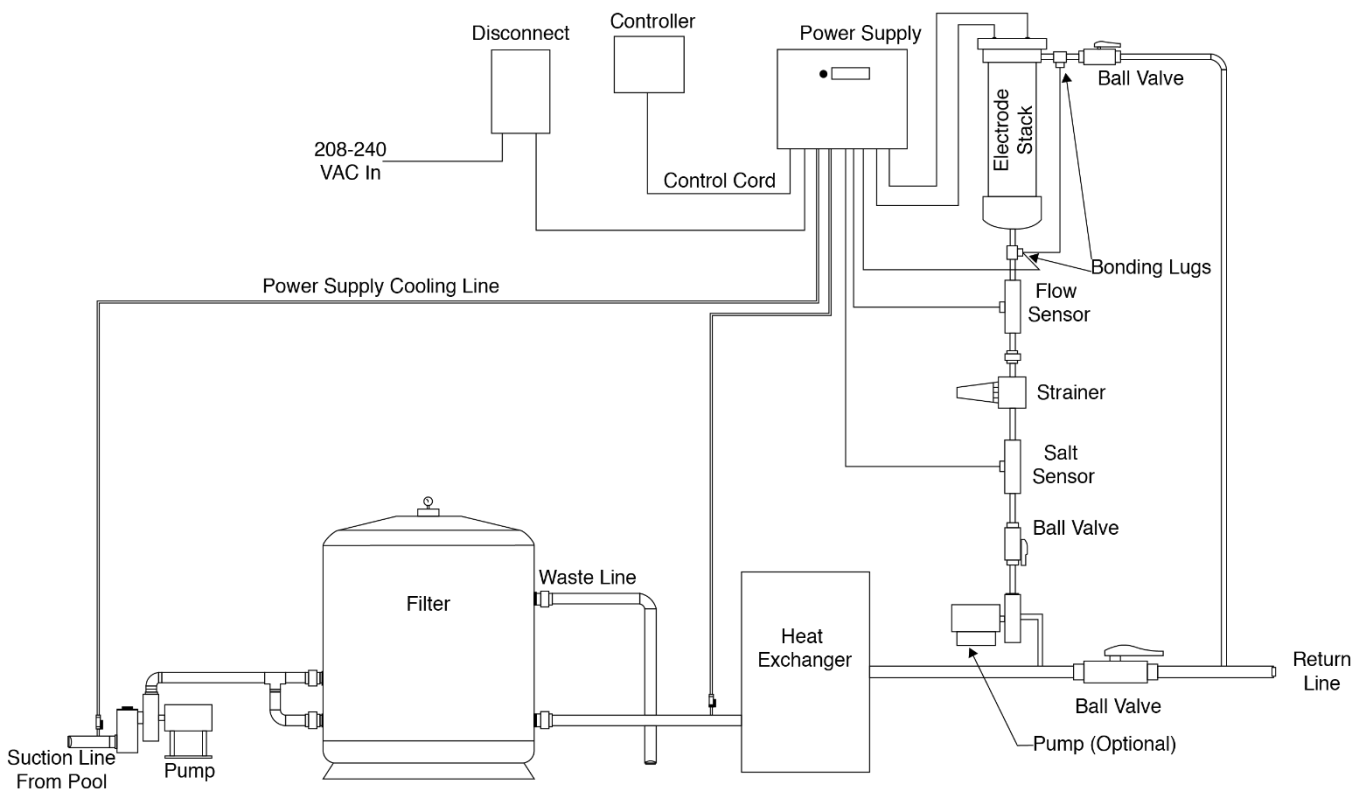
2.10 PLUMBING THE SYSTEM

AutoPilot® PRO WC systems require a minimum of 20 gpm of flow through the electrolytic cell to achieve the rated production of chlorine. The cell housing is plumbed using a bypass to achieve the 20 gpm of flow required. The cell return line must be installed after all other components. The cell housing return line must be installed as the last component in the return line of the pool, after all other equipment. See the plumbing diagram below.

2.11 PLUMBING THE POWER SUPPLY COOLING LINES

The power supply cooling lines are plumbed from the return line to pump suction. The cooling lines on the power supply will accommodate 3/8 inch tubing.

NOTE: If a chemical feed controller is being used, the same 3/8 inch tubing can be used for both the sample cell and power supply cooling lines. Plumb the tubing from the return line into the controller sample cell, then from the sample cell into one power supply cooling line, and from the other cooling line to the pump suction.



2.12 SYSTEM WIRING



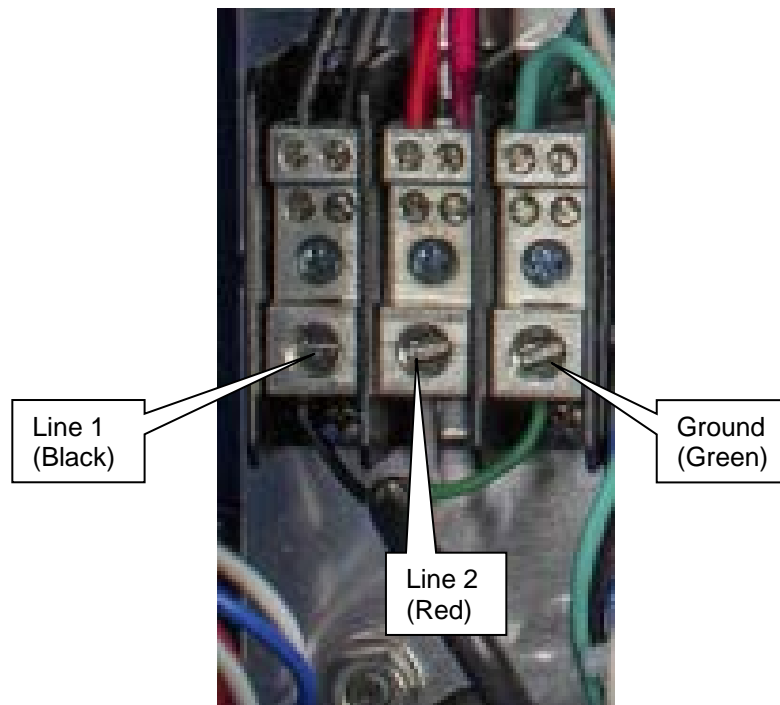
WARNING: Failure to heed the following may result in injury or death.

- **RISK OF ELECTRICAL SHOCK** - Disconnect all AC power when installing or servicing this system. Follow all state, local, and National Electrical Code(s) (provincial and Canadian Electrical Code(s) if applicable). Use copper conductors only.
- **RISK OF ELECTRICAL SHOCK** - The earth terminals and the equipment bonding wire must be connected. The electrical supply must match the system rated voltage and current. Ensure that power is linked to the main pump power source for the pool to ensure that the AutoPilot® PRO WC system never operates when the pool pumps are off.
- **RISK OF ELECTRICAL SHOCK** - For ease of service it is recommended that a manual disconnect box be installed between the electrical service and the system.

Follow the steps below:

1. Connect the electrical supply from the pool equipment room to the terminal block on the lower left side of the power supply enclosure. Ensure that the electrical service is protected by a ground fault circuit interrupter and is rated for the model that is installed. ProA8-14 models can use 110-240Vac. ProB17-28 models use 208/240Vac. See Electrical Requirements in section 1.3 for details.

All PROA and PROB Models



2. Connect the blue control cord to a chemical feed controller or for manual operation, to a 120 volt AC outlet. When connecting to a chemical feed controller, be sure the

controller is set to continuous feed and not set on proportional control. Proportional control will reduce the life of power supply components.

3. Connect the four-pin salt sensor connector to the four-pin connector labeled SALT SENSOR.
4. Connect the two-pin flow switch connector to the two pin terminal labeled FLOW SWITCH.
5. The terminal labeled FEED SALT is used with the optional Saturated Salt Feeder. When using the optional Salt Feeder, plug the cable from the Saturated Salt Feeder Relay Box to the terminal marked FEED SALT.
6. Connect the red connector from the power supply to the red connector on the cell.



CAUTION: Failure to heed the following may result in equipment damage

- **Never remove the cables from the top of the cell. Always disconnect the cell with the red connector.**

2.13 INSTRUCTIONS FOR ADDING A SALT FEED RELAY

Mount the salt feed relay box to the wall close enough to the power supply so that the patch cord will connect to the FEED SALT connector on the power supply. Plug the relay box into a 120 VAC outlet. Plug the peristaltic pump used for feeding salt into the output plug on the relay box.

2.14 ELECTROLYTIC CELL WIRING

Connect the red connector from the power supply to the red connector at the cell.

NOTE: Never remove the cables from the top of the cell. Always disconnect the cell with the red connector.

2.15 BONDING THE SYSTEM

All AutoPilot® PRO WC systems include cell-bonding assemblies. These assemblies are included in the install kit. The bonding assemblies must be connected with a minimum #8 AWG bonding wire. Connect the bonding wire from the top cell grounding assembly to the bottom cell grounding assembly and then from the bottom cell grounding assembly to the bonding lug located on the outside of the power supply. The bonding lugs on the power supply are clearly marked with a decal that reads "Bonding Lugs". Connect the second bonding lug on the power supply to the bonding grid at the facility.

SECTION 3 OPERATION

3.1 POOL WATER PREPARATION

AutoPilot® PRO WC saline chlorination systems operate by electrolyzing sodium chloride (salt) that has been added to the pool into sodium hypochlorite (liquid chlorine). In order for the AutoPilot® PRO WC system to operate, salt must be added directly to the pool at least 24 hours before the system is started. On existing pools, check salt levels before adding additional salt.

Forty (40) pounds of salt must be added for every 1,000 gallons (3,785 liters) of pool water to reach 5,000 ppm (mg/L) (i.e.: a 50,000 gal (189,271 liters) pool will require 2,000 lbs. (907 kg) of salt or fifty x 40 lb. bags to reach 5,000 ppm (mg/L)). Once the salt has been added, brush the surface of the pool continuously until the salt has dissolved. Never leave large amounts of salt on the surface of the pool.

Use only pure NaCl. Do not use salt with additives. Contact your dealer or AquaCal AutoPilot, Inc. for a list of approved salt.

Your pool water should be balanced in the following range before turning your AutoPilot® PRO WC system on.

Chlorine:	2 – 5 ppm
Total Chlorine:	No more than 0.5 ppm above free chlorine
Ph:	7.2 – 7.6
Alkalinity:	80 – 120
Hardness:	180 – 280 ppm
Salt:	3,500 – 5,000 ppm
Cyanuric acid:	20 – 50 ppm (Outdoor Pools only)
Phosphates:	Less than 100 ppm

Note: Sulfuric acid and dry acid (sodium bisulfate) are not recommended for pH adjustment. Under some conditions the electrolytic cell can be damaged.

Use standard test kits to check water chemistry, and use either a conductivity tester or salt test strip to check saline levels. Note: most conductivity testers require frequent calibration to ensure accurate readings, failure to calibrate the equipment will result in inaccurate readings.

3.2 STARTING THE SYSTEM

Follow the steps below:

1. Confirm that the salt concentration is between 3,500 – 5,000 PPM.
2. Confirm that the valves to and from the cell are in the open position and water is flowing through the cell tube.
3. Make sure that water is flowing through the cooling water lines to the water-cooled heat sink.

4. Ensure that the blue cord labeled ORP or Controller is plugged either into controller or directly into a wall outlet.
5. Be sure the disconnect box is in the on position.
6. Confirm that the output control knob located on the front of the power supply is turned fully clockwise.
7. Depending on the model, the system will begin producing chlorine in 10 to 60 seconds.

If the AutoPilot® PRO WC system is linked to a chemical feed controller, adjust the output to the system maximum, which will allow for full production every time the controller calls for it. If the system is being operated manually, adjust the system to find the point at which chlorine levels are maintained to the desired level. This may take several days of monitoring.

AutoPilot® PRO WC systems connected to a chemical feed controller will only operate when the controller is in feed mode. Make sure that the chemical feed controller is not set in proportional mode or system damage may occur.

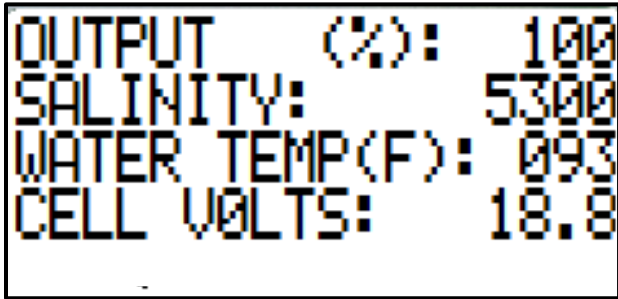
3.3 SYSTEM OPERATION

AutoPilot® PRO WC systems operate when both the main power supply and blue control cord have power applied to them. The AutoPilot® PRO WC system will continue to operate for as long as power is applied from those two sources.

The system has an output range of 5-100% of the rated chlorine production for the model installed and can be adjusted by turning the black knob on the side of power supply box in a clockwise or anti-clockwise direction.

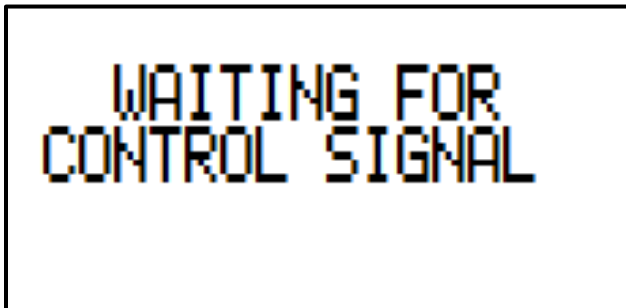
3.4 DISPLAY INFORMATION

During normal operation the display will have the following information available:



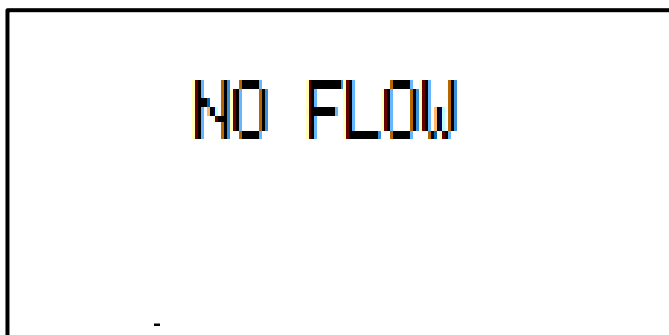
OUTPUT (%)	: 100
SALINITY	: 5300
WATER TEMP(F)	: 093
CELL VOLTS	: 18.8

This screen is displayed when the system is waiting for a signal on the blue cord from an external source such as a chemical feed controller. The system will not generate chlorine until this signal is received.



WAITING FOR
CONTROL SIGNAL

The screen below is displayed when the system detects no flow through the electrolytic cell housing. This condition will stop the system from generating chlorine. Once flow is restored, the system will start automatically, and this screen will no longer be active.



This screen is displayed if a low salt condition is present. Salt concentration below 3,000 ppm will stop the system output and display this screen. When the salt concentration is raised above 3,000 ppm, normal system operation will resume.



This screen will be displayed if water temperature drops below 59° F. The system will continue to generate chlorine. Prolonged operation at high system outputs and temperatures below 59° F is not recommended. Adjusting the system output to 50% or less will eliminate this screen.



The screen below indicates a disconnected or defective salt sensor. This screen will shut the system output off. Reconnect or replace the salt sensor to restore system operation.



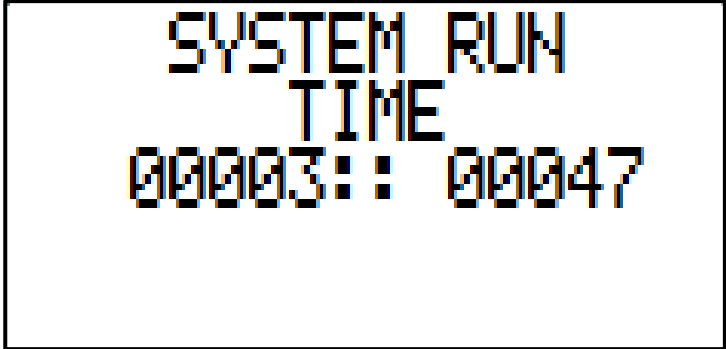
In order to prevent the system from being cycled on and off rapidly, the system has start delay of 60 seconds. During this delay the screen below is displayed.



The following screens are available by accessing the micro controller inside of the power supply.

- ⚠ WARNING:** Failure to heed the following may result in injury or death.
- RISK OF ELECTRICAL SHOCK - Disconnect all AC power when installing or servicing this system.
 - RISK OF ELECTRICAL SHOCK - All electrical connections should be made by a licensed electrician or certified electrical contractor.
 - RISK OF ELECTRICAL SHOCK - The power supply contains high voltage circuits that can cause injury or death. Only persons certified and trained to service these units should access the following screens. When maintaining this equipment, keep safety considerations foremost. Use proper tools, protective clothing, and eye protection when working on the equipment. Follow the instructions in this manual and take any additional safety measures appropriate. The personnel responsible for maintenance of this equipment must be fully familiar with the contents of this manual.

Daily system run time can be viewed by pressing and holding the “A” button on the microcontroller for 5 seconds.



This system is capable of controlling the salt concentration of the pool with the addition of an external relay (see saturated salt feeder system). The factory set point for salt is 5,000 ppm. The salt set point can be adjusted to any value between 3,000 and 7,000 ppm. To access the salt set point screen, press and hold the “B” button on the microcontroller for 5 seconds and use the up down buttons to adjust the salt set point.



SECTION 4 MAINTENANCE

AutoPilot® PRO WC systems are designed to operate 24 hours a day and 7 days a week at maximum production rates and will give you years of trouble-free use if you follow these basic maintenance and cleaning instructions.

This system produces sodium hypochlorite “liquid chlorine” from the salt that you have added to the water. It will only continue to operate correctly if salt is maintained at a minimum 3,500ppm level. Low salt will lower the amount of chlorine produced, and cause damage to the electrolytic cell. When maintained properly the electrolytic cell has a life of 15,000 hours.

(Warranties will not be honored if it is determined that salt has been run low.)

The titanium plates that make up the cell will last 15,000 hours or more if properly maintained. By ensuring that salt is always at the correct level, and plates are cleaned regularly, you will ensure 15,000 hours of operation or more.

Check salt concentration. Salt must be maintained at 3,500 to 5000 ppm. Check salt as often as necessary to ensure the concentration.

Adjust the salt concentration as often as needed to maintain the desired level.

Test the flow switch for proper operation at least once a month and clean the strainer as often as needed.



WARNING: Failure to heed the following may result in injury or death.

- **EXPLOSION RISK: - Never operate the system with a bypassed or defective flow switch.**

To test the flow switch, close the lower cell isolation valve stopping flow to the cell. Immediately check to see if the system shut off. If the system does not shut off, immediately open the valve. **Do not allow the system to operate with the valve closed.** Replace a defective flow switch immediately.

To clean the strainer, disconnect power from the system, close the lower cell isolation valve and then close the upper cell isolation valve. Unscrew the strainer cover. Allow pressure to release slowly. Remove the strainer screen, clean the screen and reinstall.

Evaluate the cell condition every week

Visually inspect the cell tube for leaks and the cell stack for calcium build up. Check the connections at the top of cell and clean as needed.



This electrode stack is in excellent condition and does not require cleaning



A cell stack with calcium bridged plates.

Clean the cell when calcium buildup is present.



WARNING: Failure to heed the following may result in permanent injury or death.

- **CHEMICAL HAZARD** - To avoid damaging splashes always add acid to water, never water to acid. Wear appropriate personal safety protection including safety glasses when using pool chemicals.
- **CHEMICAL HAZARD** - Read all cautions and directions provided with the muriatic acid used. Use only with adequate ventilation. If strong odor is noticed, STOP, ventilation is inadequate. Leave area immediately. If the work area is not well ventilated, you MUST use a properly fitted and maintained NIOSH approved respirator for acid fumes.

1. To clean the cell manually, disconnect power from the system, close the lower cell isolation valve and then close the upper cell isolation valve.
2. Unplug the cables from electrolytic cell at the red connector. Remove the $\frac{3}{4}$ " bolts holding the electrolytic cell stack in the cell tube and lift the cell out of the cell tube.
3. Immerse the cell in a solution with a 4 to 1 water and muriatic acid mixture.
4. Leave the cell in the muriatic acid solution until the cell is clean. Do not leave the cell in the muriatic acid solution any longer than necessary to clean the cell.
5. Reassemble the cell stack in the tube and reconnect the cables to the top of the cell stack.



Visually inspect the power supply once every month.

Open the enclosure and visually check for any abnormal conditions such as burned wires, loose connections, or corrosion.

Operate the system to verify performance once every month.

1. Turn the system on.
2. Adjust the control knob to the full off position and note that the amps displayed on the meter go to zero.
3. Adjust the control knob to the maximum position and verify that amps go to maximum.
4. Adjust the control knob to the desired setting.

SECTION 5 WARRANTY INFORMATION

The AutoPilot® PRO WC system carries a limited 3-year warranty.

1. Three (3) year warranty on assembly of the system.
 2. One (1) year on all electrical items and cell tubes.
 3. Two (2) years pro-rate monthly, on titanium electrodes. (Year one (1) is warranted fully, thereafter pro-rated warranty applies, applicable over the full 2 year period. Applicable on electrode stacks where full price has been applied.)
- AutoPilot® advises that titanium electrodes will have to be replaced approximately every 15,000 hours of operating time.
 - AutoPilot® warranties will not be honored should it be shown that the operating and maintenance procedures have not been followed, particularly with regard to the cleaning frequency program.
 - AutoPilot® warranties of the titanium electrodes will not be honored if the system is operated in water temperatures lower than 59° F.
 - During the warranty period the customer shall return the defective component, freight prepaid, accompanied by the original invoice or proof of purchase, and AutoPilot® shall at its sole discretion elect to repair or replace the defective component and return it to the customer, freight pre-paid.

AutoPilot® accepts no responsibility other than to repair or replace a defective component, and this warranty specifically excludes product failure due to accidental damage, abuse, misuse, and negligence, damage due to non-compliance of the operating manual or unauthorized alterations or modifications to the system. AutoPilot® accepts no responsibility and is not liable for any extended warranties or variations to this warranty offered by re-sellers of AutoPilot® PRO WC systems.

Warranty Registration Card

Please complete and return to activate the AquaCal AutoPilot, Inc. warranty

Please mail or fax to AquaCal AutoPilot, Inc. 2737 24th St North, St. Petersburg, FL 33713 Fax: (877).408.8142

Dealer Name: _____

Address: _____ City: _____

State: _____ Zip: _____ Tel: _____

Installation site of equipment: _____

Address: _____ City: _____

State: _____ Zip: _____

Date of purchase: _____ Serial number: _____

1. Pool size: _____ 2. Pool finish: _____

3. Indoor / Outdoor: _____ 4. Heated: Yes / no

5. Filter Type: _____ 6. Pool Age: _____

7. New or existing pool: _____ 7. Controller installed: Yes / No

8. If controller installed, what make and model: _____



www.aquacal.com



www.autopilot.com

AquaCal AutoPilot, Inc.
2737 24th Street North
St. Petersburg, FL 33713
(727) 823-5642