NORIA
performance on demand

ROK

INSTALLATION & OPERATION

ROK:E
SALT CHLORINATOR

1. Overview
1. Specifications
2. Installation Instructions
3. Installation Diagram
4. Operation
5. Cell Cleaning
6. Timers
8. Troubleshooting
9. Warranty

OVERVIEW

The ROK:E Salt Chlorinator is part of a range of intensively researched, high quality, connected products that work in harmony to ensure the pool is easy to maintain and ready for use at any time.

SPECIFICATIONS

Model	Per Hour		Over 8 Hours	
	Chlorine Output	Cal. Hypo. Equivalent (65%)	Chlorine Output	Cal. Hypo. Equivalent (65%)
ROK:E25	25g	38g	200g	304g
ROK:E35	35g	54g	280g	432g

INSTALLATION

1. Mount the Power Pack well above the ground and above the Cell if possible to prevent water from entering the Power Pack or Junction Box when the cell is removed for cleaning. Saltwater will burn/damage the Junction Box and damage electrical components in the Power Pack.
2. Connect the Cell horizontally in the return line to the Pool. Reducing bushes are supplied if you are using 40mm pipe.
3. Connect the leads to the Junction Box under the Power Pack ensuring that the colours match. Ensure that the screws are tight on the copper wire and not on the plastic insulation. Do not pinch the wires by over tightening the silver metal clamp on the junction box (lightly tighten this clamp).
4. Add pool salt until a reading of 3000ppm is obtained. When the Chlorinator is turned on full (fully clockwise) the needle should reach the top of the Green. This shows that the water has the correct conductivity. If it is slightly low it may be that the water is very cold. More Salt may be added until needle reaches the top of the Green.

The normal range for all Models is:

ROK:E 3000ppm in summer - 3500ppm in winter.

Never add fresh water into the Skimmer Box as this can shorten the life of the cell.

Clean the Cell if ever excessive calcium builds up (mainly at the legs, sides of plates and sensor on the head end). This may happen in very hard water over a long time. See “CELL CLEANING” on the next page.

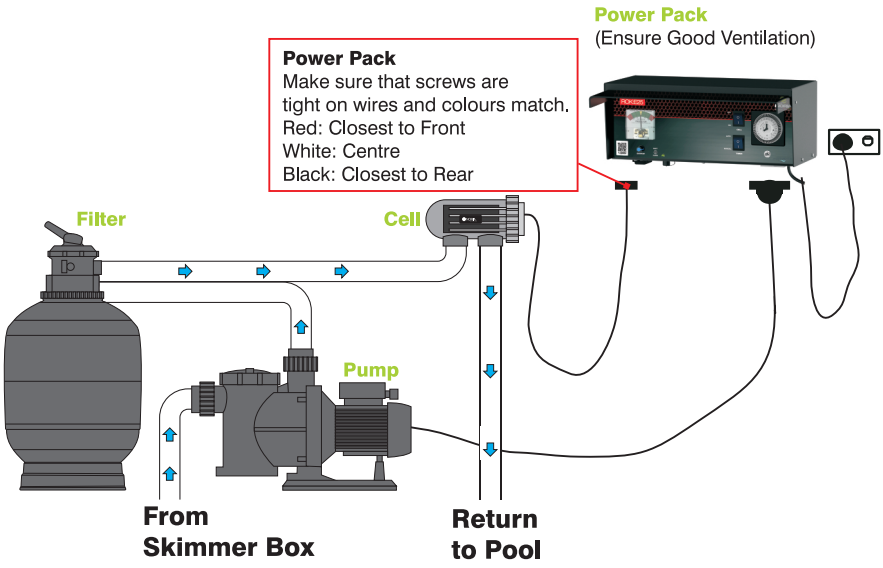
Maintain salt level at ROK:E 3000ppm-3500ppm. Increasing the Salt above this does not improve chlorination and may overload the unit.

NOTE: Excessive Salt will also reduce chlorine output and overheat the power pack thereby shortening its life.

WARNING

The power pack internally contains live components. There is a danger of electric shock if opened. If power cord is damaged then it should be replaced by the manufacturer, their agent or similar qualified person in order to avoid a hazard. The product shall be installed according to AS/NZS 3000 wiring rules. It shall be installed outside the pool zone.

DIAGRAM



Warning: Do not plug in if carton has been wet.

OPERATION

1. Connect the equipment as explained in installation section.
2. Turn the chlorine production control to maximum and switch the unit on. If the salt level is correct the output should be close to 100% (at the top of the green or just into the red). When the water is cold it will read slightly lower than when warmer. If the output is well over 100% the salinity may be too high. In this case reduce the output control and take care that it is not accidentally turned up.

   ONLY ADD SALT WHEN YOU CANNOT REACH THE TOP OF THE GREEN SCALE (i.e. maximum output)
3. Set the Timer to run 6 - 10 hours in the summer and 3 - 6 hours in the winter. Run the unit for 2 periods every day (early morning and evening). If possible the evening period should be the longest period with only 1 - 2 hours in the morning with the evening period dependant on pool size and the Chlorinator model. In winter the output can be turned down but reducing the run time is more economical. Only do this if you are still able to get adequate filtration.
4. Hard/Soft Setting Switch: The switch should be in the soft position. This allows the micro-processor to automatically change direction of the current flow every 6 hours (even if the power is interrupted). If you have hard water and calcium is building up then try the hard cycle that changes direction every 4 hours. The Platinum coating may not last as long on the hard cycle as a percentage of the wear on this coating is related to the number of reverse switches.

NOTE: Most Pool Shops will check your salt level for you, please refer them to these instructions.

CORRECT SALINITY:

ROK:E 3000ppm to 3500ppm (0.3%-0.35%)

MORE CHLORINE is produced at the CORRECT salt level.

All our Self Cleaning chlorinators are controlled by a Micro-Chip that performs several functions, including the change of current direction and water sensing. The unit will operate with good stability on higher salt levels but it is still advisable to run at the correct level to prevent damage should the control be turned up by accident.

IMPORTANT:

ALWAYS ADD FRESH WATER OR SALT TO THE BODY OF THE POOL AND NEVER DIRECTLY TO THE SKIMMER BOX.

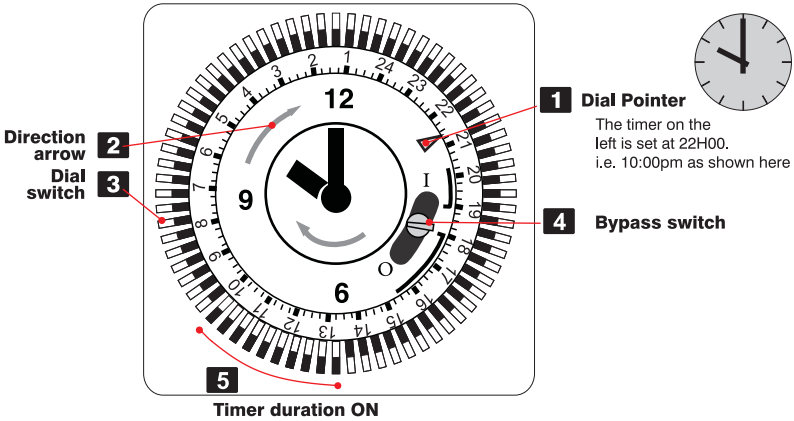
CELL CLEANING

1. The Cell should not normally require cleaning.
2. In very hard water all calcium may not be removed. A slight deposit might form on the legs, sensor or sides of the cell plates. This will NOT affect the operation.
3. If you have abnormal calcium build up then clean it as below or contact your Pool Shop if problem persists.
4. To clean, unscrew Cell cap and remove head with electrodes. It is recommended to use Focus Saf-T-Cell salt cell cleaner to soak only the cell until clean.
5. Rinse and install the cell back into the housing.
6. When returning the Cell head to the housing ensure that the O-Ring is clean and properly seated.
7. Check that the junction box screws are tight at least once a year.

IMPORTANT:

EYE PROTECTION AND GLOVES SHOULD BE WORN WHEN CLEANING THE CELL.

MECHANICAL TIMER



Clock setting

Be sure to turn the “TIME DIAL” in the Direction of the arrow clockwise. DO NOT turn in an anti-clockwise direction! Line up the correct time of Day on the DIAL with the POINTER. Each HOUR is divided into 4 x 15 Minute divisions (4x1/4hr)

NOTE: The example above time is set to 10:00pm (i.e. 22H00)

Timer setting

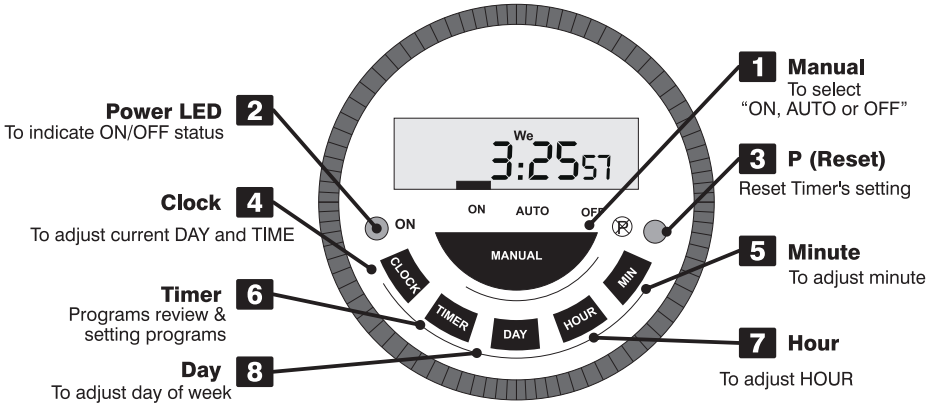
Set ON Times by moving ALL DIAL SWITCHES to the outer edge. Each SWITCH represents 1/4 Hour(15min) running. For one hour of running 4 switches will be set to the outer edge.

NOTE: The example above is set to run from 10AM to 1PM (3hours). All pins from 10 to 13 on the Dial will be extended out

Bypass switch

Center Position	Upper Position I	Lower Position O
This is the normal Timer Position (Automatic) In this position the timer will operate as normal with automatic switching on during the time set by the DIAL SWITCHES	In this position the TIMER is always ON regardless of the SWITCH settings	In this Position the TIMER is always OFF regardless of the SWITCH settings

DIGITAL TIMER



Press P (Reset) button to reset timer before programming

Day Combinations

1	MO	TU	WE	TH	FR	SA	SU
2	MO						
3		TU					
4			WE				
5				TH			
6					FR		
7						SA	
8							SU
9	MO	TU	WE	TH	FR		
10						SA	SU
11	MO	TU	WE	TH	FR	SA	
12	MO	TU	WE				
13				TH	FR	SA	
14	MO		WE		FR		
15		TU		TH		SA	

Adjusting CLOCK
Press and hold CLOCK and then press DAY, HOUR or MIN key to adjust time.

Programming the TIMER

1. Press TIMER key.



2. Press DAY to select a day combination (15 available)
3. Press HOUR and MIN to set desired ON time
4. Press TIMER key again



5. Press DAY match the selection made in step 2.
6. Press HOUR and MIN to set desired OFF time
7. Repeat steps 1 to 6 for the remaining programs (6 or 8 in total depending on model)
8. When finished press CLOCK and the timer shall start to execute programs.

To review programs
Press TIMER repeatedly to review ON/OFF programs

Over-riding programs
When Timer is running in AUTO mode your can:

FORCE OFF: When timer is ON press MANUAL to move indicator from AUTO to OFF. This over-rides the current program and turns OFF the unit. Press MANUAL to move indicator to AUTO. The unit will remain OFF until the next program ON event.

FORCE ON: When timer is OFF press MANUAL to move indicator from AUTO to ON. Wait for the unit to switch ON. Press MANUAL to move indicator to AUTO. The unit will remain ON until the next program OFF event.

TROUBLESHOOTING

Excessive Calcium Build Up on Cell (even after cleaning)

1. The current should reverse every 4-6 hours. This can be tested by switching off the Cell switch while it is running and turning it on after 20 seconds (not less). The Cell current should now be in the opposite direction. Contact your Pool Shop or the Manufacturer if this does not happen.

Low Chlorine Residual or Production:

1. Check for correct PH or insufficient stabiliser. Lift stabiliser to 60ppm in midsummer and during peak periods (normal range 40 - 60ppm).

Very Low Chlorine Production:

1. Check that the Cell is clean and the salt level is 3000 - 3500ppm.
2. Check if the Cell switch lights up and if not check the Fuse/Circuit breaker.
3. Check that the Sensor has water covering it and not air. The Cell head should be placed so that the sensor “Peg” is on the bottom.
4. Remove and dry the Cell plates and examine every electrode to see if the black coating looks patchy. They may require cleaning and drying before this can be seen. If this is the case then the Cell might need replacing.

Note: Rapid damage like this is normally the result of far too low salinity or filling the pool with fresh water put direct into the skimmer box

Nil Chlorine Production:

1. Check fuse/Circuit Breaker.
2. Check that the Pump is running and water is flowing through the Cell.
3. Check that the Sensor Peg is covered with water and not air/bubbles.
4. Check that the sensor is not covered with Calcium.
5. Check the Junction Box to see if all the connections are tight. If there is any sign of melting or burning of the Junction box it must be replaced. This is caused by either leaving a wire loose or salt water getting under the cover causing electrolysis of the connections.
6. If none of the above then contact your supplier. If the residual test is low or the Pool remains cloudy, then the chlorine is being lost due to high chlorine demand caused by contaminants. If PH and stabiliser tests are correct a shock treatment with an oxidiser agent is advised. If the Pool has not been maintained correctly, super-chlorination may be required

WARRANTY

The ROK:E Chlorinators are covered by a 2 Year warranty against defects in materials and workmanship from the date of purchase. This warranty is subject to conditions and limitations herein after stated. You must notify Focus Products of the failure of any component within the warranty period.

Focus Products will at its discretion, replace or repair any defective parts. Component failure must be due to a defect in materials or workmanship. This warranty does not apply if failure is due to abuse, misuse, improper installation or any of the following.

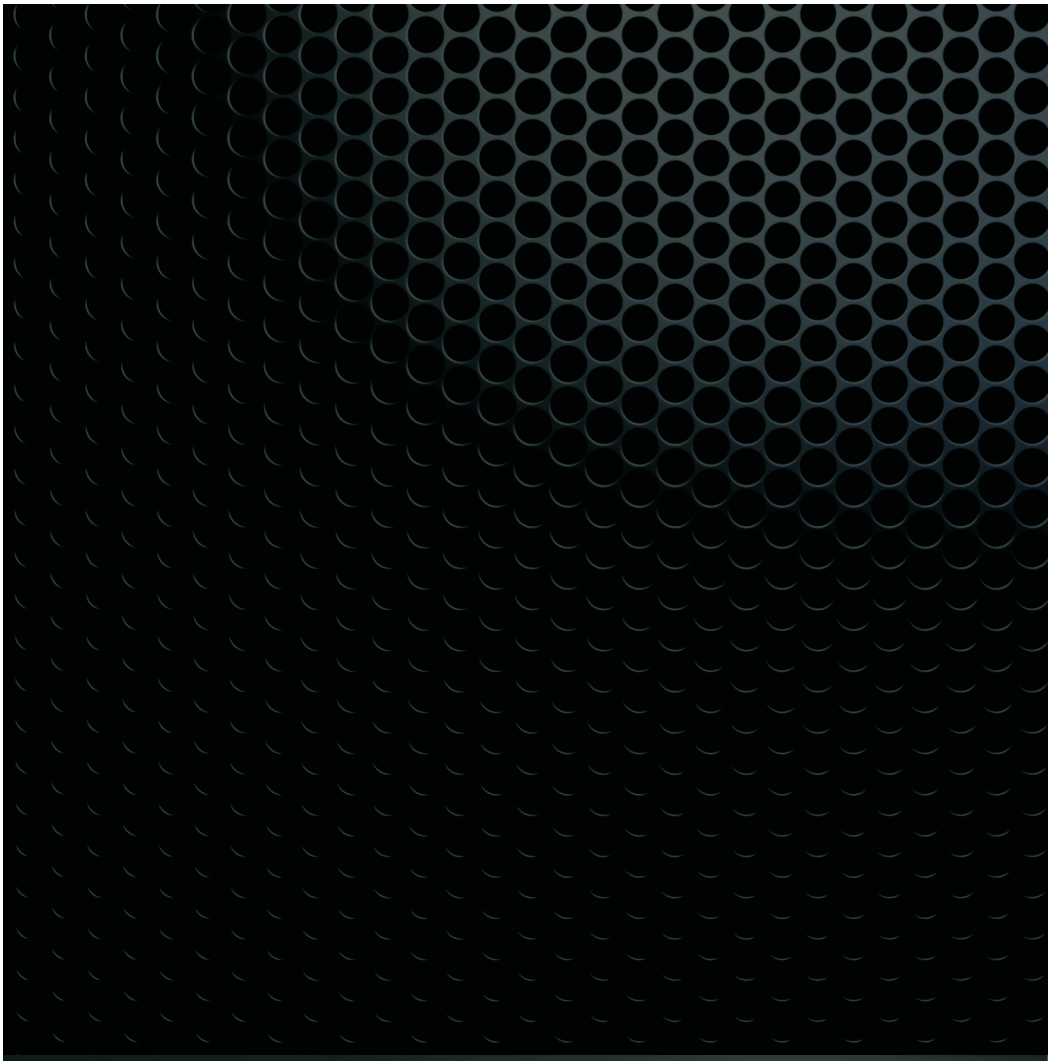
- Installation is carried out incorrectly by any person other than a person authorised by us to do so.
- The Power Pack or Cell is serviced by any person other than a person authorised by us to do so.
- Correct salt levels are not maintained at all times.
- The Power Pack is not protected from the elements.
- The Power Pack is not operated in a position/area with good ventilation.
- Water has been allowed to enter the cabinet or Junction Box.
- Run in a Commercial Installation (these have a 1 year warranty on power pack and cell).
- Insect infestation or penetration by dust, sand or other foreign particles inside the power supply.
- Damage beyond our control.
- Equipment that has been misused, neglected, damaged, repaired without authorisation or altered in any way.

For warranty information and forms visit
https://noria.focusproducts.com.au/warranty

To have your Noria Product inspected, serviced and/or repaired under warranty please contact your point of purchase or call our Service Department to be directed to the nearest Warranty Service Agent. Please have your model, serial number, installation date and proof of purchase nearby to expedite your warranty request.

Commercial Installations

Commercial installation parts and labour warranty is 12 months from the date of purchase. Focus products assume no liability for consequential damages of any kind.



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