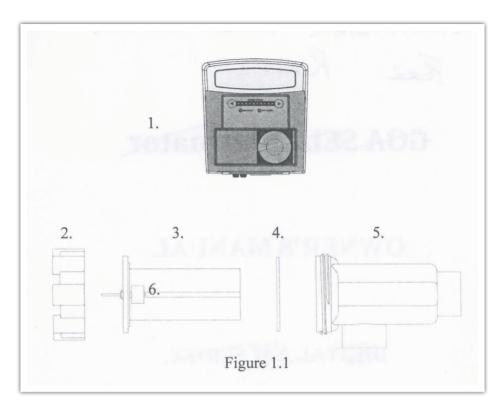


OWNER'S MANUAL

1. PARTS IDENTIFICATION LIST



- 1. Power-pack with timer option (x1)
- 2. Cap (x 1)
- 3. Cell (x1)
- 4. O-Ring (x1)
- Housing (x1)
 40mm New Zealand
 50mm
- 6. Flow Sensor



2. PRECAUTIONS TO BE TAKEN BEFORE INSTALLATION

ATTENTION!!!

BEFORE CARRYING OUT THE INSTALLATION OR MAINTENANCE OF THIS PRODUCT, <u>DISCONNECT THE POWER SUPPLY</u>

NON-COMPLIANCE TO ANY OF THE DISPOSITIONS HERERBY CONTAINED MAY CAUSE DAMAGE TO PERSONS OR THINGS OR THE INCORRECT FUNCTIONING AND DAMAGE TO PARTS OF THE EQUIPMENT.

WARNINGS

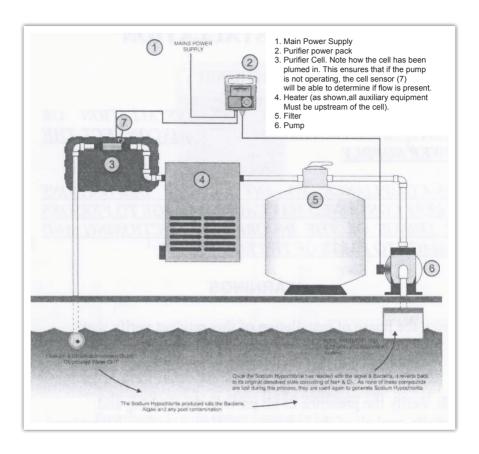
During the phase of installation of this product verify that:

 The power supply corresponds to what is indicated on the label situated on the base of the unit;

N.B: Verify the presence of all parts in the packing and carefully read all of the Instructions Manual before beginning installation of this product.



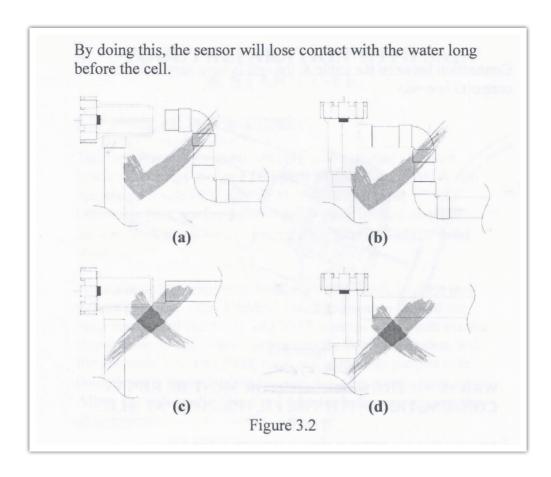
3. INSTALLATION INSTRUCTIONS



3.1 Purifier Cell (3)

Please refer to Figure 3.1 and Figure 3.2, it is recommended to install the electrolytic cell within 1.5 metres of a vertical wall or fence to allow the power pack to be easily mounted. The Cell must be installed such that a localised air pocket will form in the event that no water is flowing (see Figure 3.2). Any heaters or other equipment MUST be installed before the cell. Also note that the flow sensor (6) must always be positioned above the lowest part of the cell (3) to function effectively..





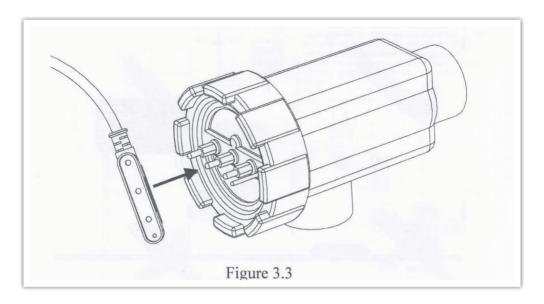
WARRANTY WILL BE VOID IF THE CELL IS NOT INSTALLED AS SPECIFIED.

3.2 Purifer Power Pack (2)

While the purifier power pack has a UV resistant cover, for optimum performance & lifespan, the purifier should be installed out of direct sun light & if installed within an enclosure, should have reasonable ventilation. The power pack must be mounted on a vertical wall or fence within 1.5 metres of the cell and at least 1 metre above the ground.



Connection between the cable & the cell is very easy as it only connects one way.



WARNING: THE PURIFIER MUST BE RUN IN CONJUNCTION WITH THE FILTER/PUMP AT ALL TIMES.

To ensure that the pump is always running while the purifier is operating, the user has the option of plugging the pump into the base of the purifier. If filtration is required beyond the chlorinator operation, please refer to sections "5.1 Control Buttons $\blacktriangleleft \triangleright$ "

Once everything is securely plugged to the cell and to the purifier, only then plug the power lead into the 220-240 VAC power.



4.POOL PREPARATION WITH SALT & STABILISER

4.1 Calculating Salt Requirement

The fresh water purifier will produce chlorine with salt concentrations as low as 1,000 parts per million (PPM) and can operate up levels of 1,500 PPM.

When adding the salt, disperse around the deep sections of the pool. **DO NOT** attempt to add salt via the skimmer as this can cause damage to the filtration system and the purifier and **DO NOT** have any automatic suction type pool cleaners operating until the salt has completely dissolved. Allow the salt to dissolve for 24 hours before powering the fresh water purifier

4.2 Stabilizer

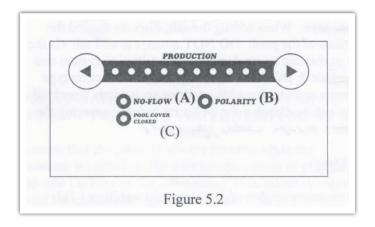
It is also recommended to add cynuric acid stabiliser. This prevents Chlorine from breaking down too quickly, especially during the summer months. Recommended dose of Stabiliser (Cynuric Acid) is 30-60PPM (i.e. 30-60mg per litre).



5. STARTING THE FRESH WATER PURIFIER

WARNING: THE PURIFIER MUST BE RUN IN CONJUNCTION WITH THE FILTER/PUMP AT ALL TIMES.

Before switching ON the purifier, make sure the pump and purifier are plugged into the power outlet. Once the purifier is switched ON, the Chlorine Production Monitor LEDs will show the chlorine production setting. By default, the unit will be set to 100% and should not be changed during the initial setup period. At this point, your purifier will now generate Chlorine.



5.1 Control Buttons ◀▶

This purifier unit has a digital output display consisting of 10 LED's. When the unit is first powered up, all LED's will be on to show the default setting of 100%. Each LED represents 10% of the maximum output level the unit has been calibrated to. Adjustment of the output level is performed using the ◀▶ buttons. The output level should only be reduced if an excess of chlorine is being produced for a required filtration time.



WARRANTY

This product has been produced and thoroughly tested to the highest standard and therefore carries the following warranty.

Both power pack and cell have 24 month full warranty, from date of purchase, entitling the purchaser to have the product repaired, or replaced, if shown to have failed due to workmanship or materials.

- WARRANTY IS IMMEDIATELY VOIDED UNDER THE FOLLOWING CIRCUMSTANCE....
- Installation performed incorrectly by an un-authorised person;
- Power pack or cell serviced by an un-authorised person;
- Correct salt level not maintained at all times:
- Power pack not protected from the elements, or not operated with adequate ventilation;
- Cell not correctly maintained, or water flow too low.

This warranty is only applicable to material and workmanship only. It is non-transferable and doesn't cover freight costs. UNDER NO CIRCUMSTANCE will we take responsibility for loss, damage to property or, injury to person(s) due to a failure of this equipment or installation. This warranty shall not extend to any cost otherwise incurred.

NOTE: This section must be filled out upon purchase to validate warranty.

Purchasers Name Address Purchased From Date of Purchase MODEL

Serial No.



5.2 No-Flow Indicator Light (A)

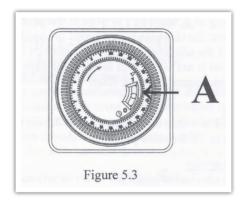
This indicator light only comes on in the event that there is no water flowing through the cell and therefore allowing gas to building up.

5.3 Reverse Polarity LED (B)

These units change their polarity e very 5 hours as a means of cleaning the cell automatically and this LED informs the owner when cell is in the reverse polarity.

5.4 Pool Cover LED (C)

These units have the function that enables it to switch to ½ power when an external switch (not included) indicates that the pool cover is closed. When this occurs, this LED will turn on.



5.5 Timer

A simple to use timer is used to control the operating time of the chlorinator and pump for the filtration system. The outer edge of the face of the timer can be turned clockwise to set the time. One revolution of the outer edge of the timer face represents 24 hours and each tag represents a 15 minute interval. Toggling the tags outwards will activate the chlorinator and pump for that time period.

The timer can be overridden by changing switch (A) from either OFF (0) to AUTO (clock image) to ON (1).



6. MAINTAINING THE POOL

6.1 Chlorine Level

Using a 4 in 1 test kit, test the pool water at least once a week to ensure a sufficient chlorine level is being maintained. A chlorine reading of 1.5mg/l (1.5PPM) and above is adequate when taken near the skimmer box. Should the level fall below 1.5mg/l, check the salt level to ensure it is correct; increase the production level if not 100%; and increase the daily running time for the purifier, pump and filter.

6.2 pH Level

The correct pH is within the range of 6.8 to 7.2 for fibreglass pools and 7.2 and 7.6 for other pools.

6.3 Total Alkalinity

TA should be checked at least once every month and should be maintained between 120 to 150mg/l (120PPM to 150PPM) for correct pool water balance. Have the water checked for Cynuric Acid Stabiliser.



7. CELL INFORMATION

The cell should be periodically inspected for accumulations of any foreign deposits. Common causes of premature cell failure: -

- Operating the cell with too little salt in the water.
- Excessive accumulation of calcium deposits on the cell.
- · Low water through cell.
- Damage to electrode coating caused by scraping with sharp object.
- Cleaning the cell in too strong an acid solution.
- •Acid washing the cell for too long and too often.



8. GENERAL QUESTIONS AND TROUBLE SHOOTING

8.1 How does a Fresh Water Purifier work?

The purifier works by utilising the salt in the water which is made up of Sodium and Chlorine. The purifier supplies current to the cell which, in the presences of the catalyst coating, promotes specific reactions which results in Sodium Hypochlorite. This kills bacteria and in doing so, breaks down back to salt.

8.2 Fuse Replacement

The fuse is a M205 Slow Blow 4A. This fuse is internally mounted and in the event that fuse does go open, turn off the power to the unit and call an authorised service technician.

8.3 Low Chlorine production

Please refer to section "6.1 Chlorine Level". One possible reason for low chlorine production is low salt levels. If this occurs, the display will show a level lower than that set and the user will also be unable to raise the level. Salt will need to be added, following the procedure set out in section 4.1 Calculating Salt Requirement.

It should be noted that generally pool will not normally lose salt. Warm weather generally makes the water evaporate, raising the salt level. But high rain fall can dilute the pool water reducing the salt concentration.

WARNING: THERE ARE NO USER-SERVICEABLE PARTS
INSIDE PURIFIER HOUSING. TO PREVENT ELECTRIC SHOCK,
DO NOT REMOVE COVER.



CUSTOMER RESPONSIBILITIES

Before you call for service please read the Operating Instructions carefully and check through the following points regarding your responsibilities as customer.

A service fee will be charged should service be required as a result of any of the following;

- 1. Power point not turned ON
- 2. Faulty Power-point
- 3. Time Close set incorrectly
- 4. Unit incorrectly installed
- 5. Switches and controls incorrectly set
- 6. Poor Water chemistry (Salt, pH etc)
- 7. Cell not maintained
- 8. Water flow too low
- 9. Unit having been tampered with by unauthorised persons.

