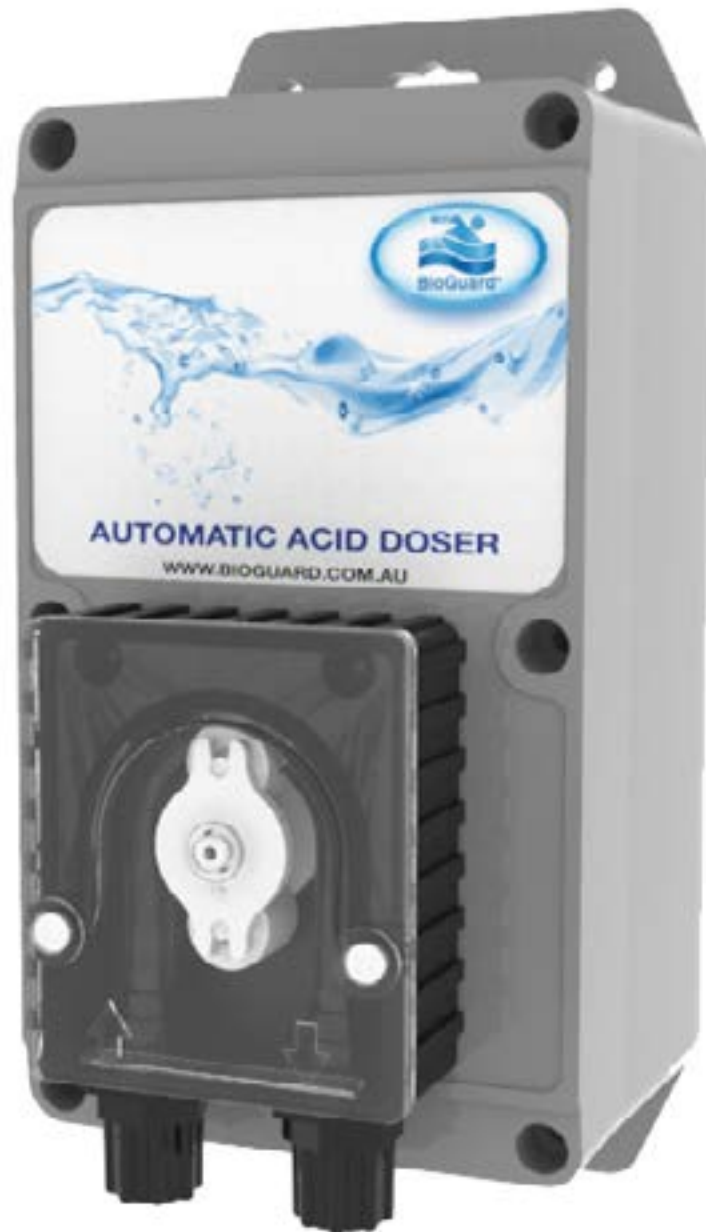


BioGuard Platinum Automatic Acid Doser

Installation, Operation
and Warranty Information



BioGuard® Customer Service
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NZ: 0800 441 662
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www.bioguard.com.au



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Warnings

Please read the warning notices very carefully because they provide important information regarding safety in installation, maintenance and use of the BioGuard Automatic Acid Doser.

The installation of this product should be carried out by a person knowledgeable in swimming pool plumbing requirements following the installation instructions provided in this manual.



ALL ELECTRICAL POWER MUST BE TURNED OFF TO THE DISPENSER AND TO THE APPLIED MACHINE WHILE INSTALLING THIS PRODUCT



ALWAYS WEAR PROTECTIVE CLOTHING AND EYE-WEAR WHEN WORKING WITH CHEMICAL PRODUCTS.

OVERVIEW

The BioGuard Automatic Acid Doser is a 24V DC acid dispenser that is designed to be installed with the BioGuard Platinum saltwater chlorinator only. The BioGuard Platinum Automatic Acid Doser is designed to dose hydrochloric acid at a rate to compensate for the pH being produced by you BioGuard Platinum saltwater chlorinator. This will keep the pH level of your swimming pool at a more constant level and help the chlorine being produced by your BioGuard Platinum saltwater chlorinator work more efficiently.

As there are many other outside influences that change the pH level in your pool, it is recommended that you check and adjust your pH manually on a monthly basics.

Swimming pool chemistry is quite interesting. There is no one setting that is right for every swimming pool or spa. After you have installed your BioGuard Platinum Automatic Acid Doser, take a sample of water to your approved BioGuard retailer to check your pool chemistry. Manually adjust your pH level as instructed.

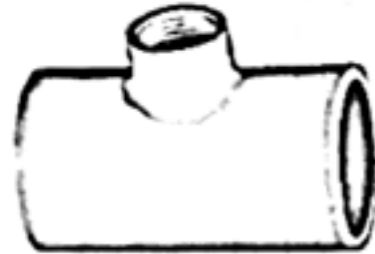
If large quantities of chemicals are added to the pool water, this excess quantity should be circulated well. After this time you may need to manually adjust your pH level.

If you have any questions please contact your authorised BioGuard retailer or us directly.

IDENTIFICATION OF PARTS



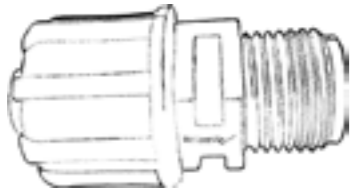
BioGuard Platinum Acid Doser



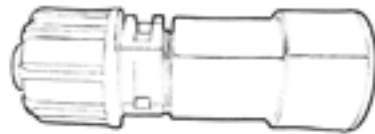
50mmx15mm 'T' piece



50/40 plumbing reducers



Injector



Foot valve and drum weight



4mm tubing



Mounting screw and wal plug



INSTALLATION

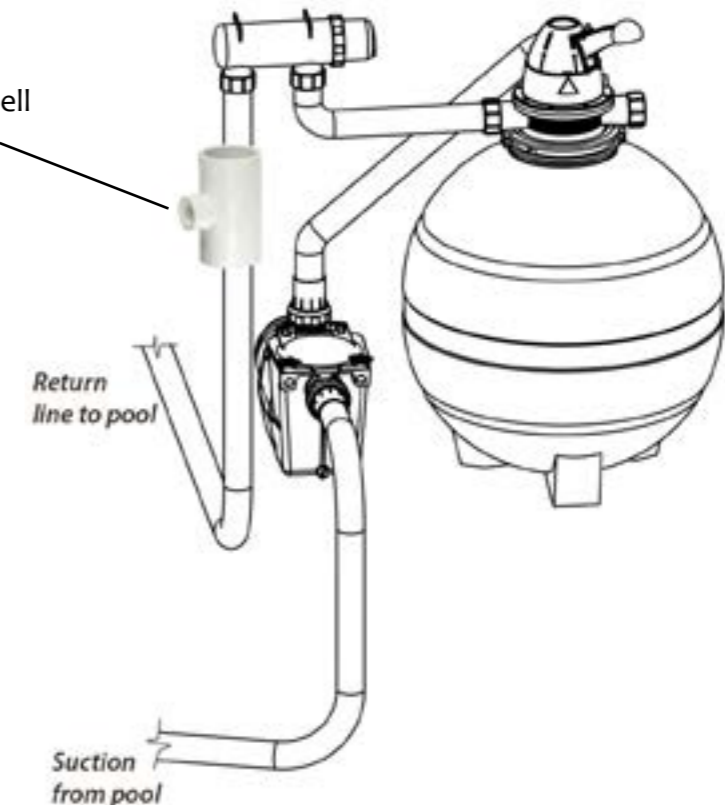
Please read these instructions carefully before installing & operating your bioguard Automatic Acid Doser and leave the manual on site for owner/operator's use.

Before installing the unit in position on the wall or post, the length of the PVC tubing provided should be measured and taken into consideration.

To avoid loss of water from the system, close all stop valves before cutting any plumbing lines. Install the 'T' pieces into the 'return' line after the BioGuard Platinum cell (and/or heater if installed). Cut an appropriate piece out of this line and glue the 'T' piece in position, using a PVC adhesive. Once the PVC adhesive has set install the injector using thread tape to seal the injector to the 'T' piece.

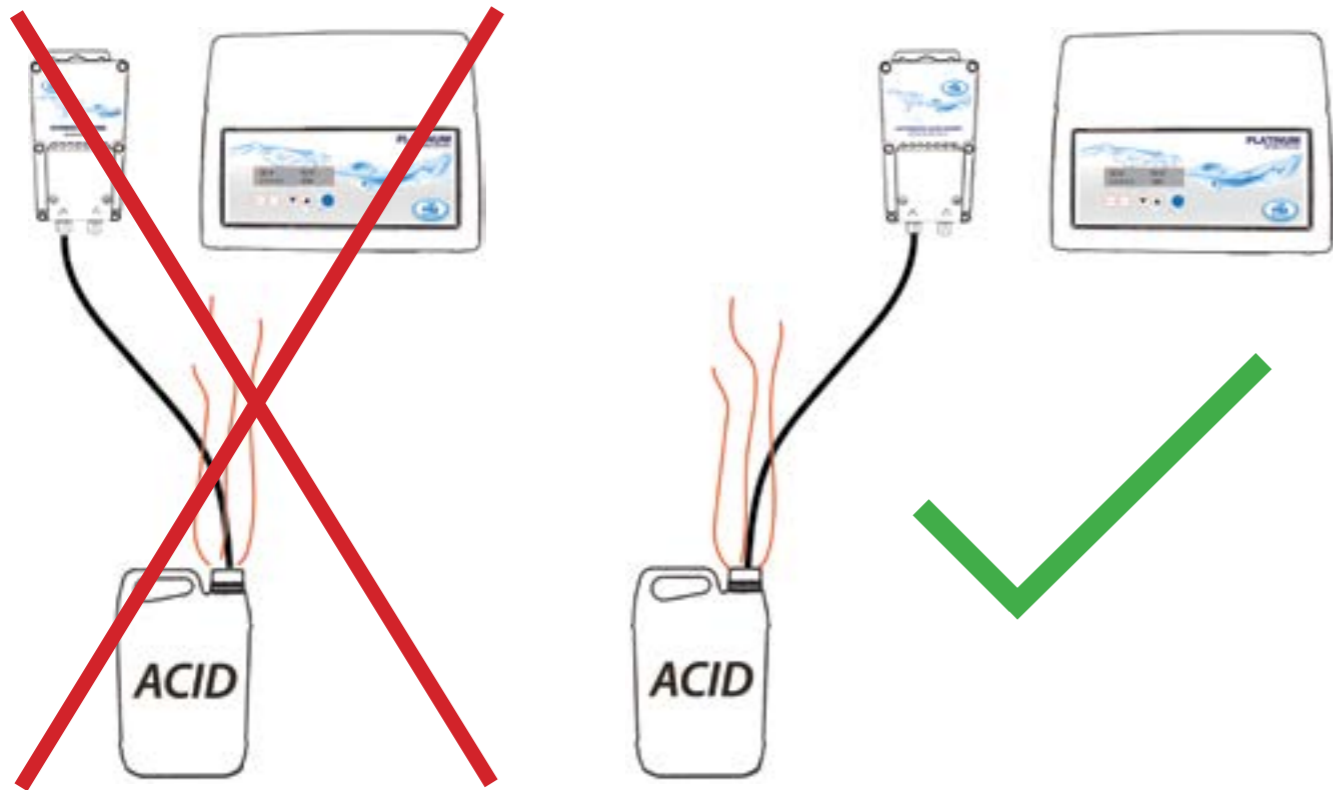
Drill a hole in the cap or shoulder of your acid container and feed the PVC tube through the hole and fit the weighted foot valve. Please note that the foot valve will not fit into the neck of a 5 litre acid bottle, it is recommended that you purchase an acid resistant container to suit your situation. Ensure that the non-return valve is fitted correctly (arrow indicates the direction of flow) Drop the foot valve into the bottom of the container.

Install the 'T' piece after the BioGuard Platinum cell (or heater if installed)



INSTALLATION CONT/

Mount the BioGuard Automatic Acid Doser close enough to the BioGuard Platinum Saltwater chlorinator so that the power cable comfortably reaches the connection port located on the rear of the BioGuard Platinum Saltwater chlorinator. Do not place your acid container directly under your equipment as the fumes will cause damage to the electronics. Always place the acid container away from the swimming pool equipment.



HYDRAULIC CONNECTIONS

FITTING TUBE TO FOOT VALVE AND INJECTOR

PIC: 1



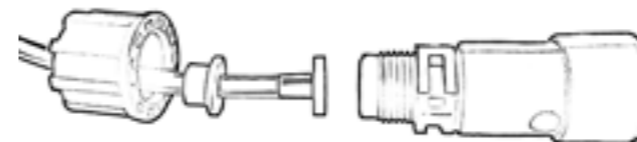
4x6Mmm hose & weighted foot valve.

PIC: 2



Remove retaining nut, Olive and injector nipple. Making sure not to lose the o'ring seated in the foot valve.

PIC: 3



Feed the 4x6mm hose through the retaining nut, then fit the olive over the hose and insert the injector nipple into the end of the 4x6mm hose. To make fitting the injector nipple easier you can soften the end of the 4x6mm hose with hot water.

PIC: 4



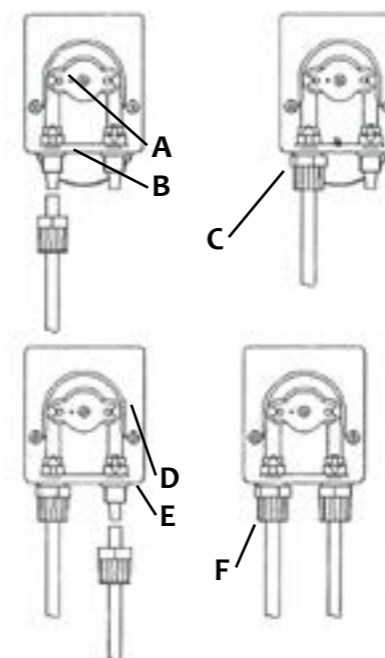
Push the olive down onto the injector nipple tightly. This will clamp the 4x6mm hose onto the injector nipple

PIC: 5



Check that the o'ring is still located in the foot valve. The screw the retaining nut tightly onto the foot valve.

FITTING TUBE TO PUMP



Suction: Connect the suction hose from your acid container (B) to the suction nipple (Left hand side (A)) and tighten nut (C)

Delivery: Connect the delivery hose (E) to the delivery nipple (Right hand side (D)) and tighten nut (F)

STARTING UP

Before starting up your BioGuard Acid Doser, we recommend that the pool water be balanced by a BioGuard approved retailer. Keep in mind that the BioGuard Automatic Acid Doser is not a set and forget system. It will not take into account any external variations to your pool water. The BioGuard Automatic Acid Doser only compensates for the chlorine being produced by your BioGuard Platinum saltwater chlorinator. You may still need to manually adjust the pH on a monthly basis.

Recommended chemical ranges (depending on pool location and pool surface) are:

CHLORINE: 1 - 3ppm pH 7.2 - 7.8

STABILISER: 30 - 50 mg/L

TOTAL ALKALINITY: 80 - 150 mg/L

CALCIUM HARDNESS: 90 - 300 mg/L

The ACID menu has three (3) settings.

1. ACID VALUE
2. ACID DILUTION
3. ACID PRIME



Front screen



From the front screen press the 'Menu' button until you reach the ACID menu. Then press the 'Enter' button.

ACID VALUE



First menu item is the 'ACID VALUE'. This determines the quantity of acid being pumped and will be preset from the factory. Over a period of a few months you may need to adjust this value manually 'UP' or 'DOWN' to suit your pool. Only ever adjust this value a maximum of 5 in either direction and any time. After any adjustments have been made wait for a period of at least two weeks before testing the water again. When this value has been set press the 'Enter' button to move onto the next Acid menu item or press the 'Menu' button repeatedly to return to the front screen.

STARTING UP Cont/

ACID DILUTION



Second menu item is 'ACID DILUTION'. There are three (3) options.

0% - Neat acid purchased from your BioGuard Authorised Retailer



33% - Reducing the strength of your acid by diluting it with two (2) parts water to one (1) part acid.



50% - Reducing the strength of your acid by diluting it with one (1) part water to one (1) part acid.

NOTE: Always remember to add acid to water NOT water to acid

ACID PRIME



Third menu item is 'ACID PRIME'. This feature is used to prime the tube on start up of the system or when you have let the acid container run out and the tubes are empty. The 'ACID PRIME' feature will only work when the chlorinator is turned on and chlorine is being produced. If the chlorinator is on but no triangles are showing the prime feature will not work.



To activate the 'ACID PRIME' feature press the 'UP' arrow once. The acid pump will run for 10 secs, counting down on the screen. From start up you may need to activate the prime feature up to 20 times.

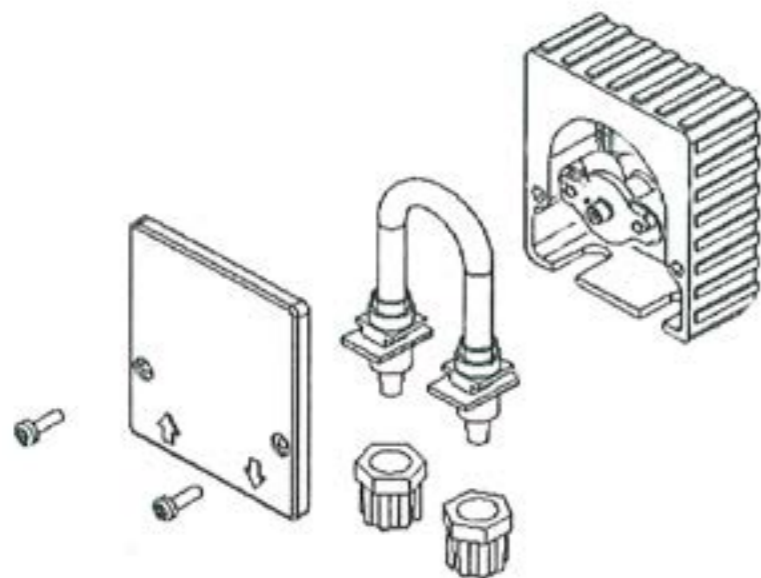
MAINTENANCE

Lubricate the squeeze (pump) tube every 6 months, more often in commercial applications. Use only good quality silicone lubricant otherwise damage can result.

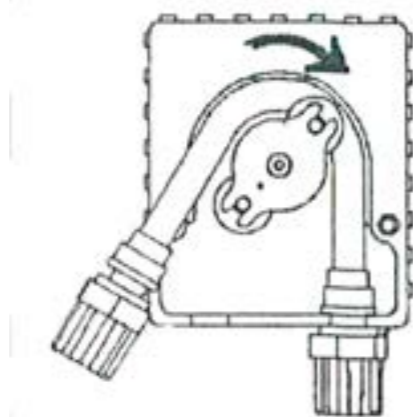
Depending on usage, the squeeze (pump) tube may need replacement after 6 - 12 months on a domestic pool installation, after 6 months on a commercial installation. Before replacing the tube make sure that any stop valves in the filter system are closed. Otherwise water loss may occur.

(To replace this tube, remove the retaining screws on the plastic face plate and pull the tube free. Disconnect the squeeze tube from the barbs and reconnect the new squeeze tube, making sure that the new squeeze tube is correctly connected to the PVC tubing as per instructions. Reposition the squeeze tube in the unit as before, lubricate the new squeeze tube with the recommended lubricant. Replace the plastic face plate and retaining screws.

Components



Tube Removal



Your BioGuard® Platinum Automatic Acid Doser is manufactured to the highest possible standards using the most up-to-date technology. Accordingly the equipment carries the following warranty, should a fault occur due to faulty manufacturing or materials.

IMPORTANT: In the event that a fault occurs of a type which is covered by warranty, the purchaser must, in the first instance, contact BioGuard® via the warranty webpage (<http://bioguard.com.au/warranty-request-form/>), or the closest authorised distributor. BioGuard® warrant to the original purchaser of the Acid Doser, that should examination disclose to the satisfaction of BioGuard® that the Acid Doser, or any parts thereof which are returned freight-paid, have failed due to faulty manufacturing or materials, BioGuard® will repair or replace all such faulty parts during the first 12 months (pump tube excluded) after purchase, as specified above at no charge.

This Warranty is void if the following occur:

- Damage resulting from matters beyond BioGuard® control.
- The Acid Doser has been installed incorrectly and not in accordance with these instructions.
- The Acid Doser has been connected to a power supply other than a Platinum Saltwater Chlorinator
- The Acid Doser has been used for any purpose other than swimming pool or spa sanitation.
- The Acid Doser has been serviced by a person other than a person authorised to do so by BioGuard® or its agent.
- Non-swimming pool grade hydrochloric acid has been used in the pool.
- Insect / vermin infestation.
- Incorrect water chemistry

This Warranty is applicable to workmanship and materials. BioGuard® will repair or replace at no charge, all parts returned freight paid, which display faulty workmanship or materials.

BioGuard® accepts no responsibility for loss, damage or injury to persons or property arising from warranty failure of equipment, or installation of that equipment. Unless with the express prior authority of BioGuard®, any repair or replacement shall be provided only by BioGuard® or its authorised distributors and this warranty shall not extend to any expenditure otherwise incurred.

BioGuard® Customer Service
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for BioLab Australia and New Zealand, 86 King William Road, Goodwood, SA, 5034