

# EliteSkim



# Aqua One®

300, 600, 800

Inspiring Excellence in Fish Keeping!



Instruction version: 30/01/2014

[www.aquaone.com.au](http://www.aquaone.com.au)

# Important Safeguards

**To guard against injury, basic safety precautions should be observed, including the following:**

1. Read and follow all safety instructions and important notices in these instructions as well as on the product itself.

2. This appliance is not intended for use by children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

3. To avoid possible electric shocks, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations do not attempt repairs yourself. Return the appliance to an authorised service facility for service or discard the appliance.

a. If the appliance or any electrical component of the appliance (non-immersible equipment only) falls into the water or gets wet, do not reach for it. Unplug it and then retrieve it.

b. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.

c. Carefully examine the appliance after installation. It should not be plugged in if there is water on parts which are not intended to be wet.

d. Do not operate the appliance if it has a damaged cord or plug, or if it is malfunctioning, or dropped or damaged in any manner.

4. A “drip loop” (see graphic) should be arranged for each cable connecting an aquarium to a power supply. The drip loop is the part of the cable below the level of the power supply. It prevents water travelling down the cable and coming into contact with the power supply. If the plug or the socket does get wet, do not unplug the appliance. Disconnect the fuse or circuit breaker that supplies the power to the appliance, then unplug and examine for presence of water in the socket.

5. Always unplug the appliance from the electrical outlet when not in use, before putting on or taking off parts, before any type of maintenance or cleaning.

6. Never yank the cable to pull it from the socket. Pull the plug carefully to disconnect.

7. Do not use the appliance for reasons other than the intended use. The use of attachments that are not recommended or sold by the manufacturer may cause the product to be unsafe. This is not recommended.

8. Do not install or store the appliance where it will be exposed to weather or temperatures below freezing.

9. Make sure any component mounted on a tank is securely installed before operating it.

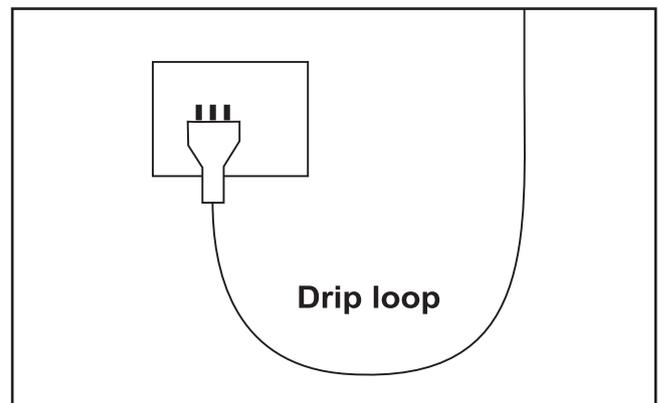
10. Ensure input voltage is the same voltage as your local power supply.

11. If an extension cable is used it should have the proper rating. Care should be taken to arrange the cord so that it will not be tripped or pulled.

12. A G.F.C.I (Ground fault circuit interrupter) & surge protector is recommended for all electrical appliances.

13. Ensure your hands are dry when turning the power switch on/off and when inserting/removing the power cable from the socket.

14. If you are in any doubt about the electrical installation or safety of this product you must consult a qualified electrician.



**For Guarantee Conditions, please refer to the Guarantee form that is enclosed with this product.**

All products are supplied with fitted plugs. This plug should not be tampered with in any way or removed. Removal or tampering with the plug invalidates our guarantee offered with this product.

For UK a 3 pin adaptor is supplied with the product and this must be used.

# Before First Use / Preparation

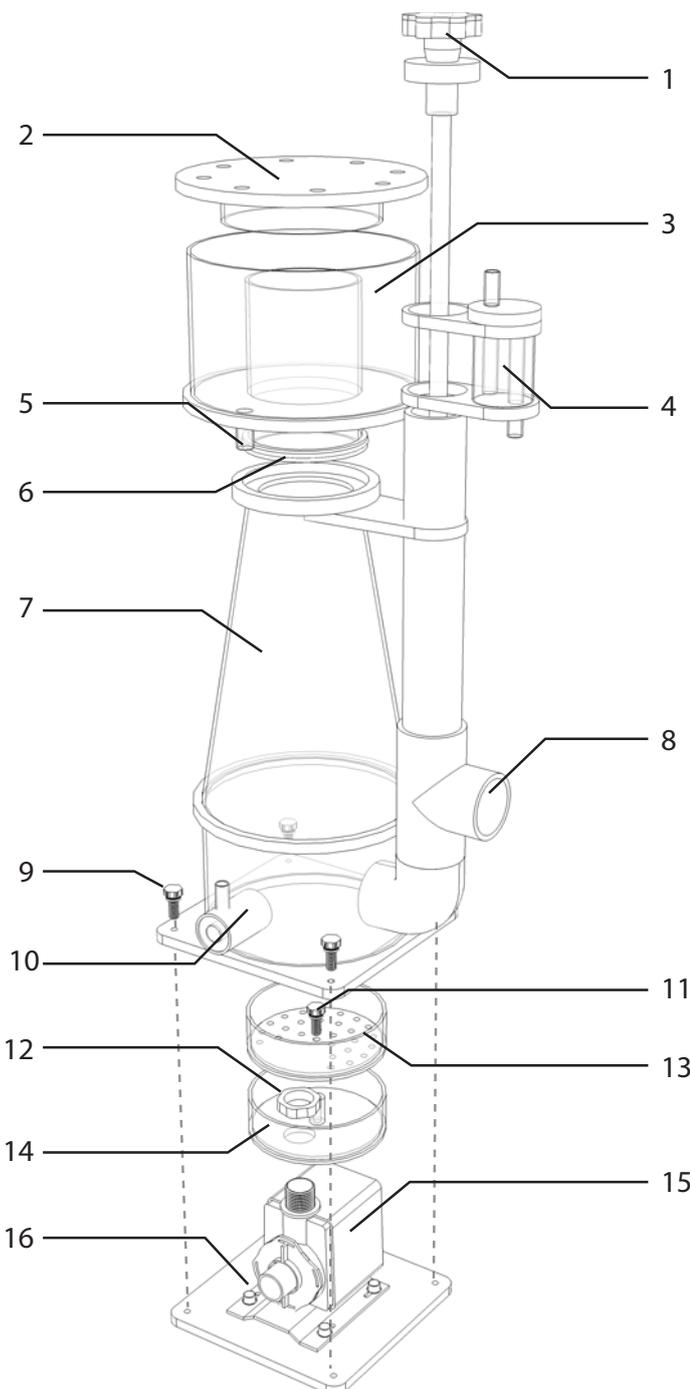
Read and follow all the instructions, even if you feel you are familiar with the product and find a place to keep the instructions handy for future reference. Your attention is drawn particularly to the sections concerning **“IMPORTANT SAFEGUARDS”** and the **“GUARANTEE CONDITIONS”**. Please ensure you retain your original purchase receipt in the event that guarantee service is required.

Carefully unpack the filter making sure you keep all the packing material until all the parts of the product have been found and the product has been assembled.

This product is shipped to you in a factory sealed carton. Should the product malfunction in any way or if the unit is damaged and requires replacement, contact the retailer where the product was purchased for inspection.

## Know Your Skimmer

300, 600, 800



### Set up/Parts

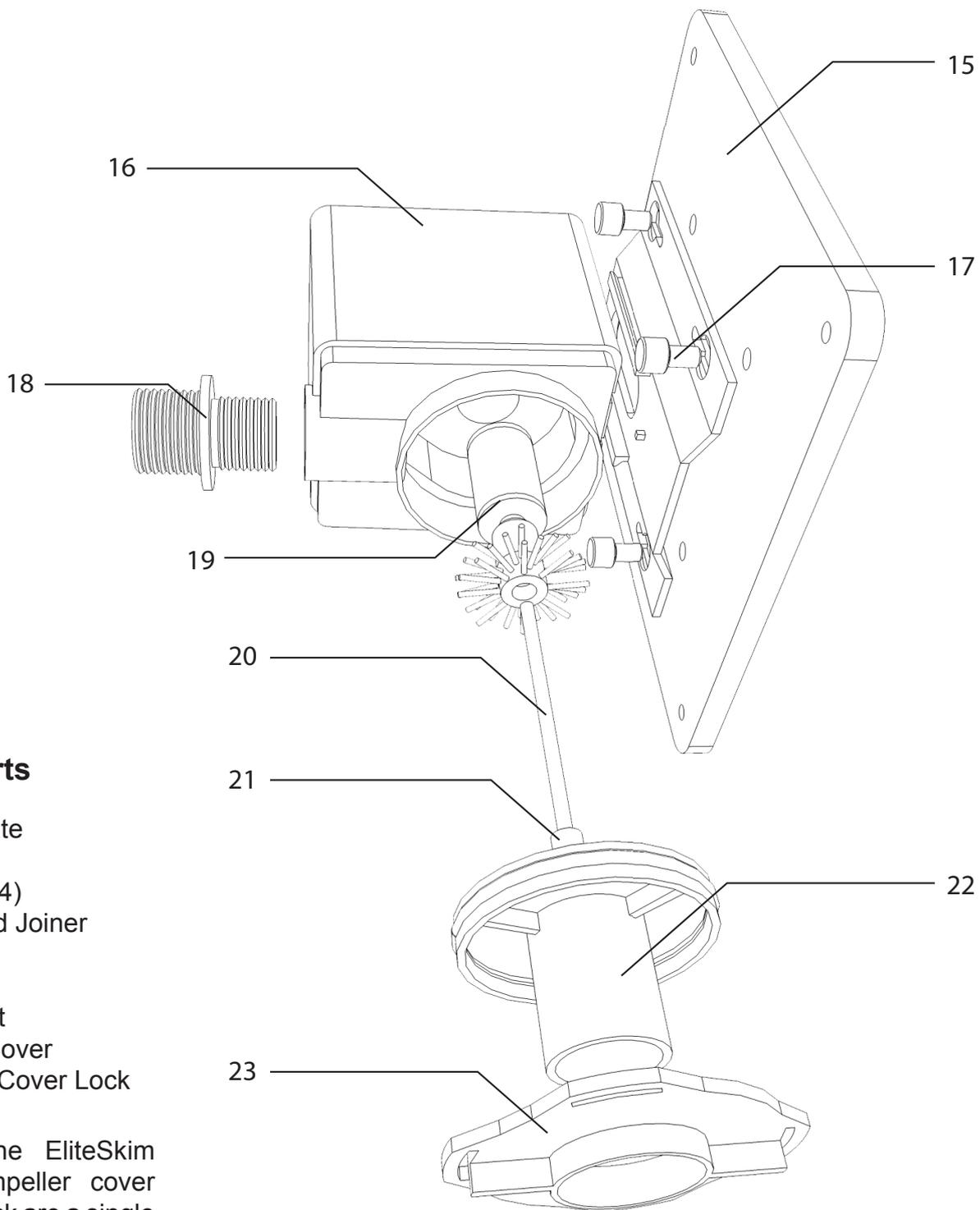
1. Water Level Adjustor
2. Collection Cup Lid
3. Collection Cup
4. Silencer
5. Collection Cup Drain (600/800 models only)
6. Collection Cup O-ring
7. Skimmer Body
8. Outlet
9. Screw (x4)
10. Intake
11. Screw
12. Nut
13. Bubble Diffuser Plate
14. Dispersion Plate
15. Pump (parts noted on page 4)
16. Base Plate

### Replacement Parts & Filter Media

Use Aqua One Genuine Spare Parts Only. See your local Aqua One Dealer and look for the number listed below for the spare part you require. Alternatively you will find these numbers on the silver label located on the product.

300 Impeller	1211
600 Impeller	1221
800 Impeller	1231

# Know Your Pump



## Set up/Parts

- 15. Base Plate
- 16. Motor
- 17. Screw (x4)
- 18. Threaded Joiner
- 19. Impeller
- 20. Shaft
- 21. Grommet
- 22. Impeller Cover
- 23. Impeller Cover Lock

**Note:** In the EliteSkim 300, the impeller cover and cover lock are a single piece.

# Installation

Your EliteSkim Protein Skimmer comes assembled and ready for use, check that all components are firmly in place before use.

1. Ensure the air hose is attached firmly to the inlet of the skimmer (9) and the bottom of the silencer (4).
2. Place the skimmer into the sump. The optimum water level for operation is 20-25cm.

NOTE: For the 600 and 800 models, there is a drain on the collection cup. This can be used to collect skimmed waste in a separate container, reducing the necessity for removal of the collection cup. In order to use this, remove the elbow and plug and attach a length of 12mm (ID) hose. Suitability will be dependent on the layout of the sump.

3. Switch the pump on at the power outlet.
4. Adjust the water level using the water level adjustor. Turn the adjustor slowly until the water level sits at the desired level. The water level will dictate the amount of bubbles that accumulate in the collection cup. Water level should be checked daily and adjusted accordingly over the initial run-in period. For further advice concerning the adjustment of your protein skimmer, consult your local Aqua One retailer.
5. Adjust the amount of air entering the skimmer by turning the cap on the top of the silencer. When viewed from above, the alignment of the inlet tube and the internal tube of the silencer. Maximum air flow is achieved when these 2 tubes are aligned completely.

For “wet” skimming (light coloured waste), adjust the outlet taps so that the water level is high in the skimmer and substantial amounts of foam are being forced into the collection cup.

For “dry” skimming (dark, coffee coloured waste), adjust the outlet taps so that the water level is low and only small amounts of foam are being forced into the collection cup.

# Maintenance

## PUMP

The impeller should be removed and rinsed once a month to remove any buildup. In the event that there is significant calcium buildup on the impeller (or any other part of the pump) it can be soaked in a container of vinegar for 24 hours.

To access the impeller, turn the base of the pump 90° and pull it away from the body of the pump. The impeller sits on a ceramic shaft with rubber grommets at each end. Ensure all these parts are in the pump when it is reassembled.

## COLLECTION CUP

The collection cup and attached airline should be rinsed every 2-3 months. Airline should be checked regularly for blockages and replaced if required. After washing the collection cup, the skimmer should be checked daily for the subsequent 3-4 days to ensure water level is correct. Removing the film inside the neck of the collection cup during maintenance can result in slightly reduced effectiveness of the skimmer for a few days. The skimmer can be adjusted until performance is back to normal.

## SKIMMER BODY

If the inside of the skimmer becomes dirty, the entire skimmer can be dismantled as shown in the diagram on page 3. When taking the skimmer apart, ensure all small components such as screws are kept in a safe place ready for reassembly. The skimmer should be cleaned using a soft cloth and water taken from the aquarium. In the event of calcium buildup on any components, they can be soaked in vinegar for 24 hours before being cleaned with aquarium water.

# Trouble Shooting

## SKIMMER ISN'T PRODUCING ENOUGH BUBBLES

1. Ensure intake is attached firmly to the inlet of the pump.
2. Adjust the air intake by turning the cap on the top of the silencer. When viewed from above, the alignment of the inlet tube and the internal tube of the silencer. Maximum air flow is achieved when these 2 tubes are aligned completely.

## SKIMMER IS COLLECTING NO WASTE

1. Ensure the water level is high enough. Turn the outlet adjuster to raise water level.
2. Ensure sufficient air is entering the pump. Refer above for solution.
3. Ensure pump is running correctly. Check and clean the impeller.

## COLLECTION CUP IS OVERFLOWING

1. Check airline drain if connected. Clean or replace if necessary.
2. Ensure water level is not too high in the skimmer. Waste exiting the skimmer should be coffee coloured. If the waste is very watery/light in colour, lower water level adjusting the outlet taps.

## SKIMMER IS LEAKING

1. Check the collection cup o-ring (5) and replace if necessary.

# Specifications

**Protein Skimmer Model:** EliteSkim 300  
**Dimensions:** 20x16x43.5cm  
**Max Aquarium Volume:** 300L  
**Flow Rate:** 1100L/hr  
**Power Requirements:** 220 – 240V  
**Power Consumption:** 14.6W  
**Suitable:** Marine

**Protein Skimmer Model:** EliteSkim 600  
**Dimensions:** 25x18x52cm  
**Max Aquarium Volume:** 600L  
**Flow Rate:** 2200L/hr  
**Power Requirements:** 220 – 240V  
**Power Consumption:** 30W  
**Suitable:** Marine

**Protein Skimmer Model:** EliteSkim 800  
**Dimensions:** 27x21.5x53cm  
**Max Aquarium Volume:** 800L  
**Flow Rate:** 2500L/hr  
**Power Requirements:** 220 – 240V  
**Power Consumption:** 47W  
**Suitable:** Marine

## Disposal of used Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you have purchased the product.

# Aqua One Manufacturers Guarantee 2 + 1 Year

The additional 1 Year **Extended Guarantee** applies when you REGISTER online with Aqua One. Register your Extended Guarantee at [www.aquaone.com.au](http://www.aquaone.com.au)

## About this Guarantee

The Manufacturer or Distributor, of Aqua One goods, is collectively known herein as "Aqua One". Please refer to contact details for Aqua One below or on the applicable Aqua One website. Any product that is covered by its own Guarantee (as enclosed with the product) is subject to the conditions of that Guarantee.

## Australian Guarantee

**Important note:** This guarantee applies in addition to the guarantees, rights and remedies conferred by the Australian Consumer Law and other applicable Commonwealth, State and Territory legislation. The guarantee does not exclude, affect or limit those guarantees, rights or remedies, except to the extent that their application may lawfully be excluded or limited.

In particular, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## International Guarantee

The benefits given to the purchaser, under Guarantee, are in addition to all other statutory rights and remedies which the purchaser has in respect of goods under legislation in the applicable country of purchase. This Guarantee shall not affect any such rights and should be read subject to such legislation.

## 1.0. Terms and Conditions of Guarantee.

- 1.1. Aqua One warrants to the purchaser, for 2 Years from date of original purchase, to repair or replace goods where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
- 1.2. All claims for repair or replacement must be made at place of purchase.
- 1.3. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
- 1.4. The Guarantee covers the Aquarium against gluing breakdown resulting in leakage.
- 1.5. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection.
- 1.6. Where goods are repaired or replaced under Guarantee, these goods are Guaranteed for the remainder of either the original Guarantee or Extended Guarantee period.
- 1.7. Where claims on inspection reveal goods are in normal working order, Aqua One will request reimbursement of all reasonable costs incurred.

## 2.0. Other Terms and Conditions – Extended Guarantee

- 2.1. The Extended Guarantee period is for an additional 1 Year and commences on expiration of the standard guarantee period.
- 2.2. Application for Extended Guarantee is FREE of any registration cost to the purchaser on completion of the Extended Guarantee questionnaire which is found on the applicable Aqua One website (refer below).
- 2.3. Upon receipt and acceptance of the questionnaire, Aqua One will forward (by way of email) a Certificate of Extended Guarantee to the purchaser.
- 2.4. For more information on how we collect, hold, use and disclose personal information provided to us, please refer to our Privacy Statement on the Aqua One websites or write to our Privacy Officer, in your country of purchase.
- 2.5. Where Aqua One determines goods are being used in a manner contrary to the instructions, specifications or this Guarantee, Aqua One reserves the right to terminate Extended Guarantee for such goods and will provide written notice to the purchaser.

## 3.0. Exclusions and Limitations

Where permitted by local law, the following exclusions and limitations apply in regard to Guarantee:

- 3.1. Glass breakage, for whatever reason caused after Aquarium purchase.
  - 3.2. Goods claims where fault is due to, but not limited by a) misuse b) neglect c) abuse d) fire or flood e) normal wear and tear f) accidental breakage g) Acts of God h) mains voltage fluctuation or supply problems i) connection to any voltage other than what is stated on the rating plate j) modification or tampering to electrical cord or plug, k) vermin, insects or foreign object l) liquid spillage or submersion of goods not designed to sustain such use or duress.
  - 3.3. Where inspections reveal goods are in normal working order including where noise or vibration is consistent with normal goods operation.
  - 3.4. Attempted repairs or modifications by unauthorised persons, including but not limited to the drilling of holes in the aquarium glass by unauthorised persons.
  - 3.5. Where the goods factory rating plate has been removed, altered, damaged or is rendered illegible.
  - 3.6. Where goods are not installed, operated or maintained in accordance with Aqua One's goods instructions, specifications or this Guarantee.
  - 3.7. Replacement or repair of worn consumables or replacement of lost goods, parts or components.
  - 3.8. Costs associated with goods transportation, removal, installation, postage or cost of insurance.
  - 3.9. Any damage incurred whilst installing, transporting or moving the goods.
  - 3.10. Subject to certain local statutory rights and obligations to the contrary, and this guarantee shall not affect those rights or obligations, where, to the full extent permitted by law: 1. all express and implied warranties and conditions under statute or general law, are expressly excluded and Aqua One, where permitted, will limit liability as follows and at Aqua One's option to: in regard to goods either a) the replacement of goods or supply of equivalent goods b) the repair of goods or the cost of replacing the goods or of acquiring equivalent goods OR in regard to services either c) the re-supply of services d) the cost to re-supply services.
2. Aqua One will not be liable for any loss or damage, including consequential loss or damage either directly or indirectly, or for any incidental expenses, of any kind, and in any way whatsoever.

(1) consumables include items such as filter media/cartridges, impellers and shafts, light tubes, lamps, bulbs and starters.

Aqua One may be contacted in:

Australia  
Kong's (Aust.) Pty. Limited  
PO Box 863, Ingleburn  
1890 NSW Australia  
[www.aquaone.com.au](http://www.aquaone.com.au)

Hong Kong  
Kong's Aquarium Supplies Co., Ltd  
No 31, 3/F Thriving Industrial Centre  
26-38 Sha Tsui Road, Tsuen Wan,  
Hong Kong  
[www.aquaone.co.hk](http://www.aquaone.co.hk)

New Zealand  
Kong's (NZ) Limited  
PO Box 15 - 183, Tauranga  
3015 New Zealand  
[www.aquaone.co.nz](http://www.aquaone.co.nz)

United Kingdom  
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C/O Aqua Pacific UK Ltd.  
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[www.aquaone.com.au](http://www.aquaone.com.au)

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