AquaBac 60/100

Aqua One®

Inspiring Excellence in Fish Care!

1+1 YEAR GUARANTEE

Instruction version: 16/09/2016

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.

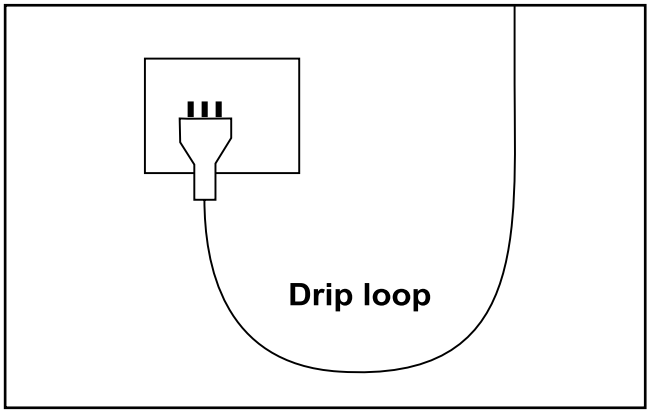
10. Ensure input voltage is the same voltage as your local power supply.

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.

Installation

1. Wash your hands and arms. It is very important to remove dirt, moisturiser and other impurities. It is important to do this whenever you work on the aquarium or any equipment.

2. Unpack all components and check for any signs of damage. The filter is packed assembled.

3. Remove carbon cartridge, biocartridge (AquaBac 60) or sponge (Aquabac 100), powerhead. (See Page 4)

4. Rinse all parts in clean tap water.

DO NOT USE ANY CHEMICALS OR DETERGENTS.

5. If you wish to use a heater (not included), unpack and rinse as per steps 2 and 4.

6. If you wish to use suction cups then you will need to attach them to back of the filter body. Remove the media and pump from the filter and lay it down on a flat surface so that the back is facing up. Using a small screwdriver, gently push the four tabs out (Fig 2). Once done, turn the filter upside down and shake out the tabs if they have fallen into the filter body. Don't worry if you cannot remove the tab from the bio media chamber – no harm will be done if it remains there.

Mount the suction cups by pushing the small knobs firmly into the holes while twisting slightly. (Fig 3) Be sure to support the back of the filter with your other hand to avoid cracking the body.

Once this is done, replace the pump and media.

7. If you prefer to use the mounting bracket, slide it onto the back of the filter until it clicks into place. (Fig 1)

8. Reassemble the filter. To place pump, slide it into the filter body and then attach duckbill to the outlet pipe through the outlet hole in the filter body

9. If you are using a heater, insert it into the heater chamber.

DO NOT PLUG THE HEATER IN UNTIL FILTER INSTALLATION IS COMPLETE AND AQUARIUM IS FILLED.

DO NOT HAVE THE HEATER ON UNLESS THE FILTER IS ALSO RUNNING

10. Mount the filter in the aquarium by either sliding the mounting bracket over the edge of the aquarium glass or by firmly pressing the body against the glass to attach with the suction cups.

11. Plug the filter into the power socket.

12. Adjust the duckbill outlet so that there is water moving at the surface but not splashing water out of the aquarium. A gentle ripple is ideal.

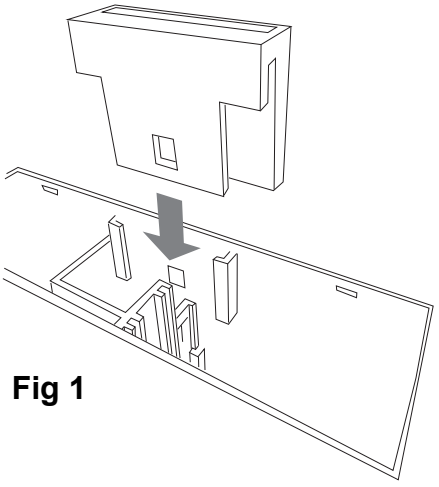


Fig 1

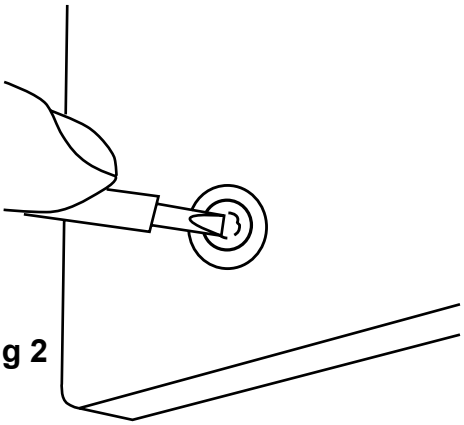


Fig 2

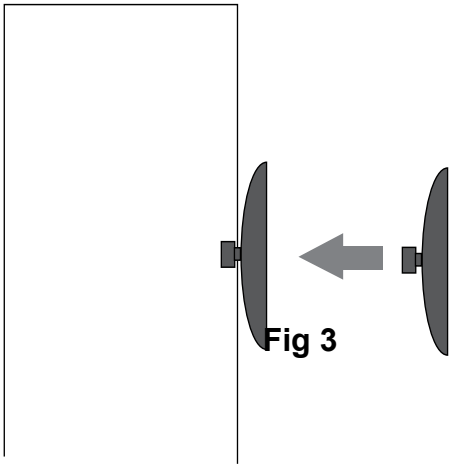
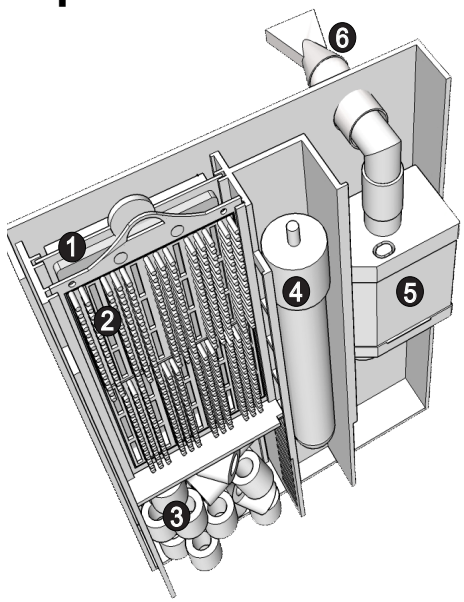


Fig 3

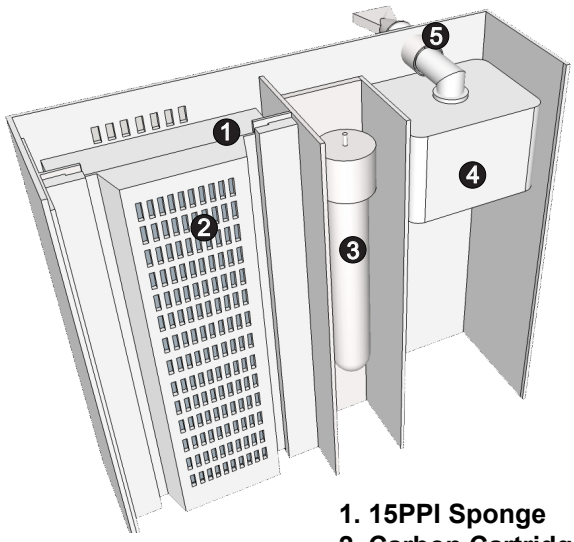
Know Your Filter

AquaBac 60



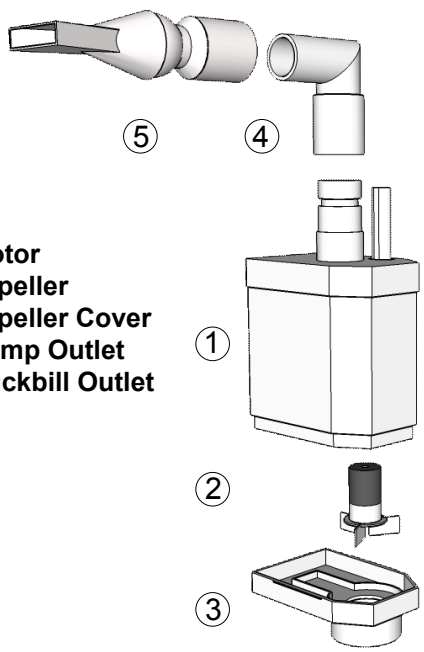
1. Carbon Cartridge
2. Bio Cartridge
3. Bio Media
4. Heater (Not Included)
5. Pump
6. Duckbill Outlet

AquaBac 100



1. 15PPI Sponge
2. Carbon Cartridge
3. Heater (Not Included)
4. Pump
5. Duckbill Outlet

Pump Assembly

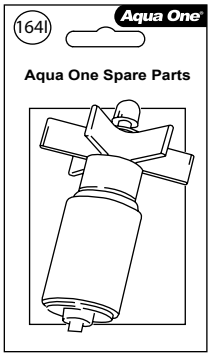


1. Motor
2. Impeller
3. Impeller Cover
4. Pump Outlet
5. Duckbill Outlet

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.

60 Impeller	164I
60 Carbon Cartridge	55C
100 Impeller	166I
100 15 PPI Sponge	160S
100 Carbon Cartridge	1C



Filter Unit Maintenance

MONTHLY: Filter and Pump Maintenance

Refer to Filter Diagrams on Page 4.

1. Switch the power to the FIlter off and disconnect the cable from the power outlet.

2. Remove the pump from the filter by disconnecting the duckbill from the outlet and lifting out the pump. Take the pump to the sink for cleaning.

3. Remove the impeller cover to allow access to the impeller.

4. Pull the impeller from the motor and rinse under running water. Use a pipe brush to clean the impeller and the impeller chamber. Rinse all components to remove any debris that has been left.

5. Re-assemble the pump

6. Remove and rinse or replace filter cartridges and sponges as described in Fortnightly: 25% water change.

7. Rinse the body of the filter in a bucket of water from the aquarium. Use a sponge to clean off any algae on the filter. Use a pipe brush to clean the duckbill outlet.

Ensure that the ceramic noodle chamber is flushed out well to remove any solid debris (AquaBac 60 only)

NEVER RINSE CERAMIC NOODLES, BIO CARTRIDGE OR SPONGES WITH TAPWATER

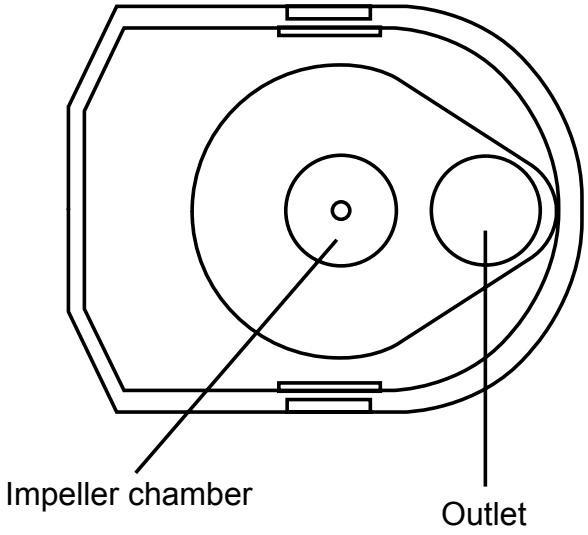
8. Reassemble filter and replace pump.

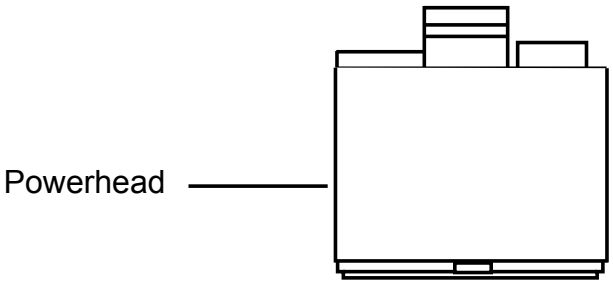
9. Place filter back into the aquarium.

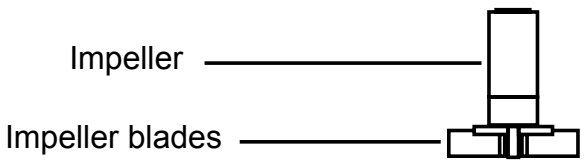
10. Ensure your hands are dry, plug the pump in at the power outlet and switch it on.

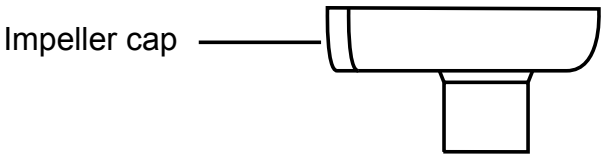
11. Check that the filter is working correctly.

Aquarium Pump Maintenance Diagrams









Hints & Tips For Best Results

Filter Media

Biological Filtration (Ceramic Noodles) (AquaBac 60 only)
Biological filtration is a process where toxic nitrogen compounds such as ammonia and nitrite (Fish waste) are removed from the system via a breakdown process carried out by nitrifying bacteria. (Nitrobacter and Nitrosomonas). These nitrifying bacteria need substrate with a high surface area to adhere to such as **Ceramic Noodles.**

• When starting a new system or using a new filter, it is important to remember that bacteria takes time to develop.

• You can speed up the process by 'seeding' the system with Aqua One Bio Start or by running the new and old filters simultaneously for a few weeks.

• Over time this media can block up or break down so it is important to monitor it.

ONLY RINSE BIOLOGICAL FILTER MEDIA WITH OLD WATER FROM THE AQUARIUM

Mechanical/Chemical Filtration (Carbon Cartridge)
This is the removal of dissolved organic and inorganic substances through adsorption on a porous substrate or by direct chemical removal. Dissolved organic compounds are what turns the water a yellow-brown colour or causes foaming at the surface of the aquarium and need to be removed.

• Remove carbon cartridge if treating fish with medication.

• Replace every 6 – 8 weeks as the carbons absorption capacity will have depleted.

• Rinse well before placing in the aquarium. (in tap water)

Mechanical/Biological Filtration (Filter Sponge or Bio Cartridge)

This is the process whereby suspended solids or particulate matter are removed from the water.

It is important to remove suspended solids not only to improve clarity of the water but also to:

• Avoid smothering the gills with solids such that fish cannot breathe.

• Decrease risk of disease outbreaks - there are high numbers of bacteria associated with suspended organic solids.

• Protect the biological filter material from rapidly becoming clogged.

• Can also act as a biological filter medium by providing sufficient surface area to host beneficial bacteria

Trouble Shooting

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

POWER HEAD WORKING BUT NO / SLOW WATER FLOW

1. Check that filter intake is not clogged.

2. Check Impeller is in good condition and replace if needed.

3. Rinse all filter media.

4. Clean Impeller, power head and all Inlet and outlet pipes.

POWER HEAD NOT WORKING - NO WATER FLOW

1. Check that the unit is plugged in and that power is available.

2. Inspect the power cord for any signs of damage.

IF THE POWER CORD IS DAMAGED, DO NOT ATTEMPT TO REPAIR IT YOURSELF!

See your retailer about a replacement powerhead.

3. Check Impeller is in good condition and replace if needed.

4. Clean Impeller and power head, paying particular attention to the impeller chamber.

Aqua One Manufacturer Guarantee 1 + 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**

The Aqua One Aquarium purchased must be installed upon a level surface and weight bearing cabinet and there upon level and load bearing flooring (using a level is recommended). The purchaser must consider the total weight of all items when installing an Aquarium which could be up to 1200kg dependant on the model and accessory items chosen. Consider this, IL of water = 1kg weight.

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 goodsunder 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 1 Year 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) we recommend the use of an Aqua One Cabinet (sold separately) as specially designed to suit the Aqua One Aquarium purchased.
(2) consider total weight of all items such as: Aquarium, cabinet, water, filtration, gravel/substrate, decorations and other equipment.
(3) consumables include items such as filter media/cartridges, impellers and shafts, light tubes, lamps, bulbs and starters.
(4) due to the extremely fragile nature of glass and glass being the main component of an Aqua One Aquarium, we strongly recommend that you advise your insurer and consider adding this item to your policy.
(5) When moving the Aquarium from its original or subsequent set-up location/s the following should be adhered to prior to moving the aquarium: remove all aquatic fish, animals or plants, filtration, gravel/substrate, decorations, other equipment mounted on or in the aquarium and ALL water. Also separate the Aquarium from the Aquarium cabinet or similar household item.

Aqua One may be contacted in:

Australia
Kong's (Aust.) Pty. Limited
PO Box 863, Ingleburn
1890 NSW Australia
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

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

United Kingdom
Kong's (UK) Limited,
C/O Aqua Pacific UK Ltd.
PO Box 268
Romsey Hampshire, SO51 0WW
United Kingdom
www.aquaone.co.uk

This Aquarium is designed to help simplify general fish keeping. Please note, some specialist fish and aquatic animal or plant keeping require certain considerations, prior to purchase, to ensure proper and successful Aquarium keeping. Therefore, **Aqua One recommends, at time of Aquarium purchase, that you consult with your Aqua One Retailer in regard to the suitability of this product for the types of fishes, aquatic animals or plants you may wish to keep**. Special consideration should also be made in regard to filtration, aquarium heater and lighting requirements to ensure they are specific to your application.

Correct Disposal of this product	
	This marking indicates that this product should not be disposed with other household waste throughout the EU. To prevent harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Specifications

Filter Model: AquaBac 60
Dimensions: 146 x 41 x 192mm
Maximum Aquarium Volume: 60L
Flow Rate: 200 L/h
Pump Wattage: 2.5W
Power Requirements: 220 ~ 240V AC
Suitable: Coldwater, Tropical

Filter Model: AquaBac 100
Dimensions: 201 x 43 x 233mm
Maximum Aquarium Volume: 100L
Flow Rate: 450 L/h
Pump Wattage: 5W
Power Requirements: 220 ~ 240V AC
Suitable: Coldwater, Tropical

Aqua One™

Inspiring Excellence in Fish Care!

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Designed in Australia by Aqua One.
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www.aquaone.com.au