

# ECO-80/100/120



**aquamanta**<sup>TM</sup>  
the experts in aquatic technology



Manufactured in China  
Aquamanta and Kong's are  
registered trademarks of Kong's  
(Aust.) Pty Limited.  
[www.aquamanta.com.au](http://www.aquamanta.com.au)



## ***Instruction Manual***

Instruction version: 24/01/2012

# Contents

Technical Information	3
Important Safeguards	4
Installing the aquarium	5
Maintenance	6
Light Maintenance	6
Trouble Shooting	7
Guarantee	8



## Technical Information

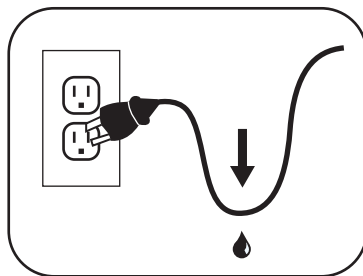
<b>MODEL:</b>	Eco 80	Eco 100	Eco 120
<b>DIMENSIONS:</b>	80x40x50cm	100x40x50cm	120x40x50cm
<b>VOLUME:</b>	125L	180L	260L
<b>LIGHT WATTAGE:</b>	24W T5	39W T5	39W T5

- Before operating the appliance, please read this manual carefully and keep it properly for future reference.
- Follow the instructions and the “important safeguards” in this manual before use.
- Please be aware of the guarantee conditions which are found at the end of this section of the instruction booklet. 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.
- Do not discard packing material until the product has been assembled.

# Important Safeguards

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

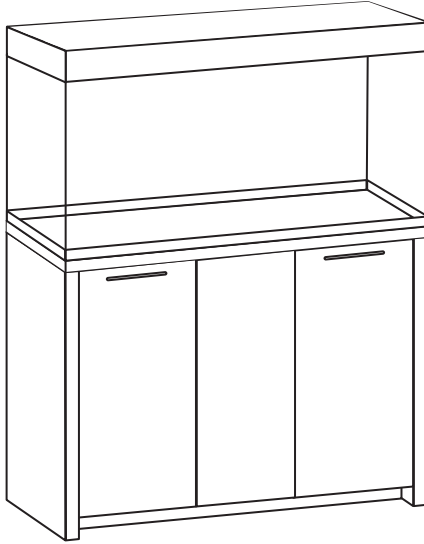
1. Read and follow all safety instructions and important notices in these instructions as well as on the product itself.
2. This appliance is not intended for use by children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
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.



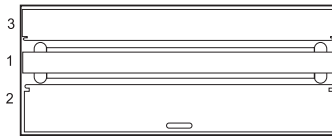
# Overview

## Installing the aquarium

Place the aquarium on top of the cabinet.



Put the lights and plastic strips on top of the tank in the order indicated below. Lights first then other covers hooking into the lights working towards the back.



Install Filter, see separate filter instructions.  
Install Heater, see separate heater instructions.

### Care and Maintenance of your Aquamanta Aquarium Glass:

It is recommended that you use a good quality glass cleaner and a non abrasive lint free cloth. Glass cleaner should only be used on the outside of the aquarium.

To clean the glass on the inside of the aquarium, it is recommended that you use a Scraper or Magnetic Cleaner (available from your local aquarium dealer).

Cabinet and Hood: The use of a damp cloth is recommended, do not use any detergents or harsh chemicals to clean the cabinet and hood as damage may occur.

# Maintenance

## AQUARIUM MAINTENANCE

**DAILY** Feed your fish as per instructions on your fish food container.

**WEEKLY** *Test and adjust pH levels if needed*

Use a quality pH test kit, available from your local Aquarium Dealer. pH is a measure of how acidic or alkaline the water is. It is measured on a scale of 0-14 in which 7 is neutral, less than 7 is acidic and more than 7 is alkaline.

Some species require specific pH levels please seek advice from your aquarium specialist.

**FORTNIGHTLY** *25% Water Change*

What you will need: A Bucket, Gravel Cleaner, Towel, Water Conditioner, Filter Supplement and clean hands. All items are available from your local Aquarium Dealer.

1. Unplug the Light Unit and remove it from the aquarium. Place it somewhere safe away from water & where it will not be broken / damaged.
2. Turn the Filter off.
3. The fish and plants do not need to be removed when doing any maintenance.
4. Place the towel on the floor in front of the aquarium to guard from water spillage.
5. Use an algae scraper (Sold separately) and gently scrape away any algae growing on the glass or filter pipes.
6. Using a Gravel Cleaner\* (Sold separately) empty approximately 25% of the aquarium water into the bucket. Take note of how much water is emptied.
7. Fill the bucket up with the same amount of water that was removed from the aquarium.
8. Treat the tap water with Water Conditioner (Sold separately) as per the instructions on the bottle.
9. Let the bucket sit for 10 minutes.
10. Fill the aquarium up slowly to the level just underneath the glass brace.
11. Turn the Filter back on and ensure that water is flowing out of the outlet.
12. Test and adjust pH levels.
13. Add a filter supplement.
14. Replace the Light Unit.

\* Refer to the instructions on the back of your Gravel Cleaner to ensure correct use.

## Lighting Maintenance

Light tubes (please read the general electrical safety instructions before installing the lights, filter or heater) Your new aquarium uses standard tubes (supplied). They are available as replacement parts from your local Aquarium dealer. Light tubes are not covered by the guarantee. Life expectancy is generally 10 months or more, however tubes lose their output gradually over time. To maintain the health of plant and aquatic life effected by the amount of light available we suggest changing them every 6 months.

Positioning of lights on aquarium. (note some models have twin light units). The black end caps have brackets which slide over the aquarium trim. Please ensure light unit is firmly in place before switching on. The black hood covers help secure the lights in place.

Removing Light Tubes. Switch light off, remove from mains supply and tank before disassembly of lights at any time. Unscrew the white end caps of the tube holders by turning anti clockwise. (1). Both caps should be removed before the tube is slid out. Keep end caps as these are required for re-installing (2).

Installing new tubes. With the light unit unplugged and removed from the tank, slide the end caps over the tube both ends. (1). Gently slide the tube pins into the end cap receptacles (3). Fully tighten the caps back on their threads (4). Be careful not to cross thread as this is a water tight seal. Only use hand tight. Ensure they are fully tightened. Test before re-installing on to the tank.



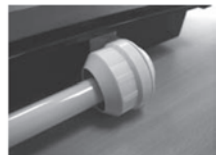
(1)



(2)



(3)



(4)

# Troubleshooting

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

## LIGHT UNIT DOES NOT WORK

1. Ensure switch is in the on position on the lead of the light unit.
2. Check light is plugged into power supply and the switch is on.
3. Check the globe/s are in good condition. Replace if needed.

## FILTER WORKING BUT NO / SLOW WATER FLOW (Refer to the instructions supplied with your Filter)

1. Check Impeller is in good condition and replace if needed.
2. Clean Impeller, Power Head and all Inlet and outlet pipes.
3. Check that the outlet of the filter is pointing downwards and not spraying water up and out of the aquarium.

## AQUARIUM POSSIBLY LEAKING

1. Make sure water level is not too high it should be no higher than the glass brace.
  2. If an air stone is being used check it is not bubbling water over the rim of the aquarium if so turn the air pump down.
  3. Make sure the aquarium is sitting on a level surface.
  4. If it is a salt water aquarium remove any salt creep as it can drain water from the aquarium.
- 5a. Remove the Light Unit from the top of the aquarium. Mark the water level. Remove any excess water that may be sitting on the edge of the aquarium. Leave for an hour. If water level drops proceed to step 5b.
- 5b. Remove the fish, decorations and gravel. Empty the aquarium and clean the glass DO NOT WASH IN SOAP OR DETERGENT. Place a piece of newspaper on a flat level solid surface. Carefully fill the aquarium ensuring not to spill any water on to the newspaper. Leave the aquarium for several hours and then inspect the newspaper for wet patches.

Note: Your light unit is tested to IPx7. This means that it can withstand temporary submersion. However, IT IS NOT A SUBMERSIBLE LIGHT.

## 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.

# Guarantee

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

## About this Guarantee

The Manufacturer or Distributor, of Aquamanta goods, is collectively known herein as “Aquamanta”. Please refer to contact details for Aquamanta below or on the applicable Aquamanta website. Any product that is covered by its own Guarantee (as enclosed with the product) is subject to the conditions of that 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. Aquamanta warrants to the purchaser, for 1 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, Aquamanta 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 Aquamanta website (refer below).
- 2.3. Upon receipt and acceptance of the questionnaire, Aquamanta 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 Aquamanta websites or write to our Privacy Officer, in your country of purchase.
- 2.5. Where Aquamanta determines goods are being used in a manner contrary to the instructions, specifications or this Guarantee, Aquamanta 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. 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.
  - 3.2. Where inspections reveal goods are in normal working order including where noise or vibration is consistent with normal goods operation.
  - 3.3. Attempted repairs or modifications by unauthorised persons, including but not limited to the drilling of holes in the aquarium glass by unauthorised persons.
  - 3.4. Where the goods factory rating plate has been removed, altered, damaged or is rendered illegible.
  - 3.5. Where goods are not installed, operated or maintained in accordance with Aquamanta's goods instructions, specifications or this Guarantee.
  - 3.6. Replacement or repair of worn consumables or replacement of lost goods, parts or components.
  - 3.7. Costs associated with goods transportation, removal, installation, postage or cost of insurance.
  - 3.8. Any damage incurred whilst installing, transporting or moving the goods.
  - 3.9. 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 Aquamanta, where permitted, will limit liability as follows and at Aquamanta'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. Aquamanta 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.

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

(1) Consumables include items such as filter media/cartridges, impellers and shafts.

Aquamanta may be contacted in:  
Australia  
Kong's (Aust.) Pty. Limited  
PO Box 863, Ingleburn  
1890 NSW Australia