



# **AQ165 USER MANUAL**

## **AQQA Hang-on Back Aquarium Filter**



**AQ165-S**



**AQ165-M**



**AQ165-L**

The AQQA hang-on-back aquarium filter is a type of filter used outside the aquarium, providing highly efficient filtration with bio-wheel design. The floating skimmer removes floating debris easily and a copper motor ensures quiet operation. Make sure you add enough water in the filter before first use; no need to add water again when the motor is restarted. The three-layer filter cartridge provides a large space for the filter media. The flow rate can be adjusted flexibly. This multi-functional filter is suitable for planted tanks, aquariums, or shrimp tanks.

# 1. PRODUCT FEATURES

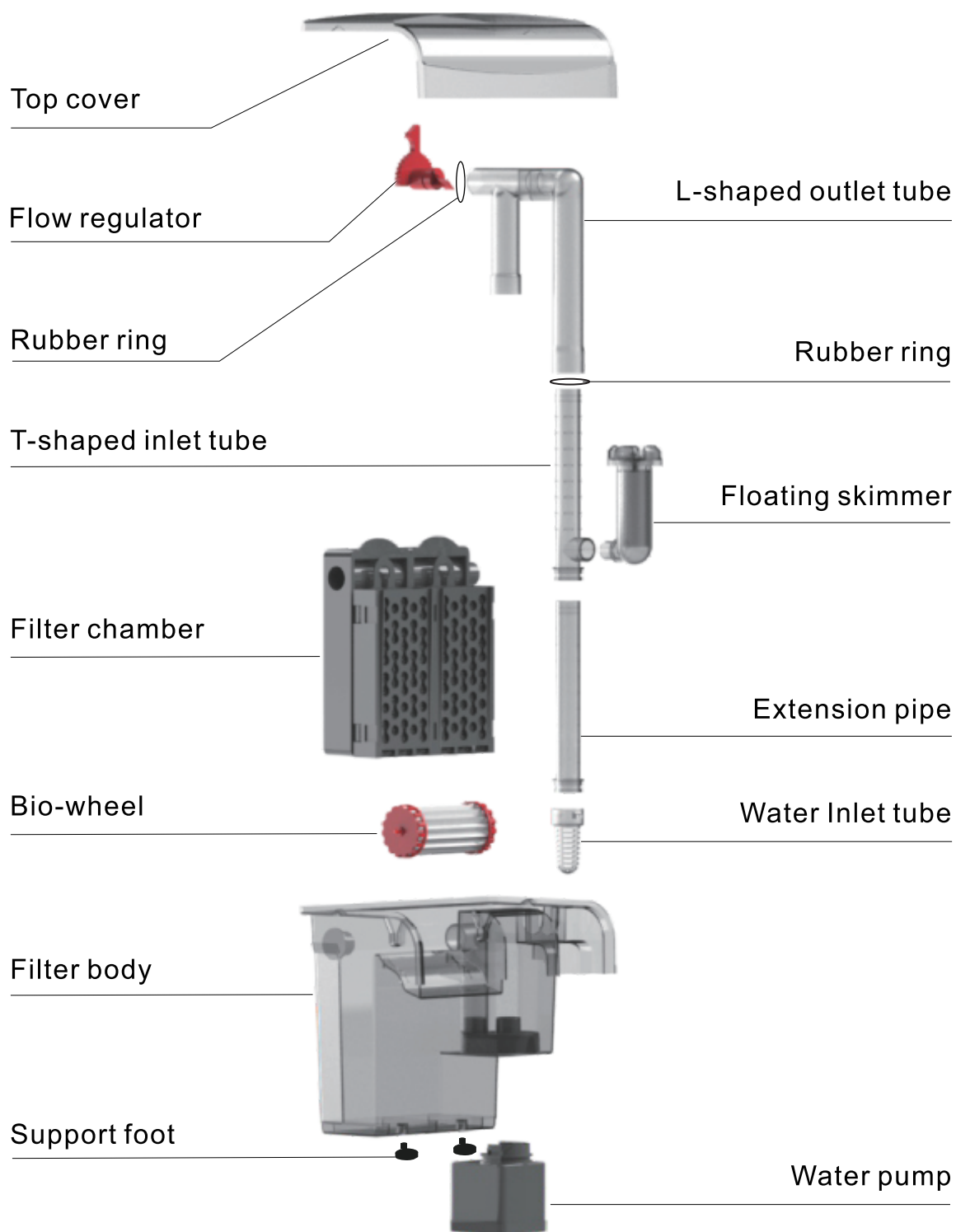
- The filter chamber for flexible use of different filter media.
- Smooth running. Vibration-damping support absorbs the vibrations of the pump.
- Activated carbon sponge insert effectively filter suspended particles, provide a colonization surface for beneficial bacteria, and stabilize the water quality.
- Bio-wheel design ensures quieter operation, increasing the oxygen supply in the aquarium.
- All-copper motor water pump for a longer service life.
- The flow rate can be adjusted at the water inlet.
- Suitable for aquariums with a glass thickness of up to 0.66 inch(17MM).

# 2.PRODUCT SPECIFICATIONS

Model	AQ165-S	AQ165-M	AQ165-L
Power	5W	8W	10W
Volt/Freq	US standard: AC110-120V/60Hz EU/UK /AU standard: AC220-240V/50Hz		
Flow rate	80GPH(300L/H)	110GPH(415L/H)	125GPH(473L/H)
Size	4.64"x4.33"x6.03" 11.8(L)X11(W)X15.3CM(H)	6.89"x4.33"x6.03" 17.5(L)X11(W)X15.3CM(H)	9.13"x4.33"x6.03" 23.2(L)X11(W)X15.3CM(H)
Recommended aquarium size	4-21Gal(15-80L)	10-30Gal(38-115L)	20-50Gal(75-185L)

### 3. PRODUCT DIAGRAM

#### Product components



## 4. INSTALLATION DIAGRAM

1) Open the packaging and check the accessories for completeness.

2)



1. Connect the water inlet tube to T-shaped inlet tube.



2. Install the floating skimmer to the T-shaped inlet tube. (make sure to align the side connector)



3. Connecting the above accessories to the L-shaped outlet tube.



4. Insert the flow regulator to L-shaped outlet tube.

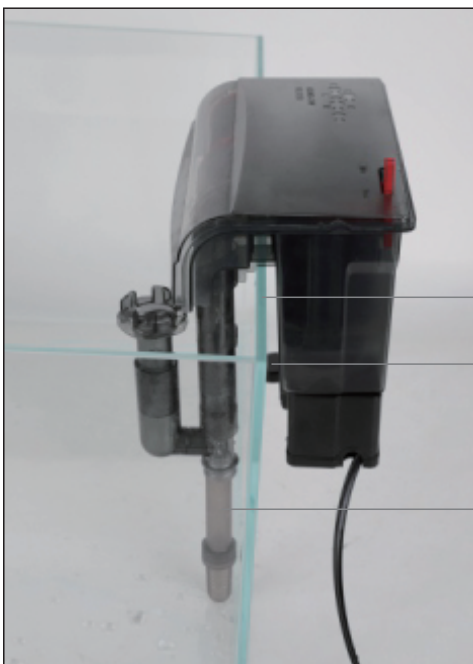


5. Assembling the bio-wheel and L-shaped outlet tube into the filter.



6. Cover with top cover.

3) Hang the filter on the aquarium glass and adjust the support foot.



Maximum width of fish tank 17MM

Adjusts filter width by support foot

Reminder: Please note that the pipe needs to be completely submerged in water

4) First set the flow regulator to the highest flow rate, add water in the filter. Connect to the mains—done.

5) Reminder: To remove the upper filter basket, hold the connecting tube firmly and pull it upwards.

## **5. ATTENTIONS**

1. Before using the filter for the first time, please check that the rated voltage and frequency of the filter pump printed on the filter match your mains voltage; otherwise, the filter will not start normally or burn out.

2. Before operating the filter, make sure the tank is filled with water, and the flow rate is set to the maximum, which will speed up the water intake and prolong the life of the pump.

3. For the first two minutes after startup, empty the air in the pump. Please be patient; the water flow is smooth and the operation is quite when running.

4. Regular replacement of the filter cartridge will improve the filtration effect.

It is recommended that the water be changed once every 2-3 weeks. When installing the filter or replacing the cartridge, the power supply must be disconnected.

5. The power socket should be above the waterline of the aquarium, in case the user accidentally disassembles the pump caused by the seal ring part of the leakage, water leakage, along the power cord to the socket, leading to leakage accident.

6. For safety reasons, the appliance must be disconnected from the power supply when assembling or disassembling the filter and during cleaning.

7. The plug must not get wet. For safety reasons, never touch it with wet hands.

## 6. TROUBLESHOOTING

Error	Cause	Solution
Excessive water /water is dirty	Check the filter cartridge for clogs	Timely replacement of filter cartridges
Loud noise after a long time of use	Impeller is damaged	Replace the impeller
Slow water intake	Loose water pipe	Please check the inlet tube and the outlet tube connected to the water pump
	Air leakage	Check the regulator is set to the maximum for air leakage
The pump does not work	No power supply	Connect the power supply
	The impeller is blocked	Clean the impeller and then reconnect the filter to the power supply
	The pump is burnt out	Contact the seller
	The pump is running dry	Fill the housing with water and then reconnect the filter to the power supply
	The motor's overheating protection has triggered	Clean the impeller, fill the filter housing with water and reconnect the filter to the power supply after waiting 15 minutes
Noise during operation	The pump is running dry	Fill the housing with water and then reconnect the filter to the power supply
	Blockage in the pump chamber or worn axle	Remove the impeller cover and remove the blockage; replace the impeller and axle
Low water outlet	Dirty filter media	Clean or replace the filter media

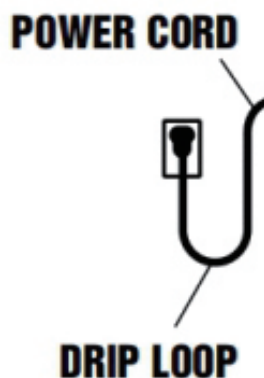
## 7. ATTENTIONS

- √ Please read this user manual carefully before using and follow it strictly.
- √ Please keep the power supply away from water since it is not waterproof.
- √ Please keep the filter away from flammable items to avoid accidents.
- √ Please unplug the power and contact the seller if the filter is not working properly.  
\*\*OPENING WILL VOID WARRANTY\*\*
- √ Please unplug the power before maintenance.
- √ Please mind that the operating temperature range for the filter is between 40°F ~95°F (4°C~35°C).

## 8. WARNING

To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

1. Read and follow this user manual strictly.
2. DANGER- To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the filter to an authorized service facility for maintenance or discard it.
  - A. If the appliance falls into the water, DO NOT touch it. First unplug it, then retrieve it. If electrical components of the appliance get wet, unplug it immediately.
  - B. Carefully examine the filter after installation. It should not be plugged in if there is water on parts that are not intended to be wet.
  - C. Do not operate the filter if it has a damaged cord or plug, is malfunctioning, dropped, or damaged in any manner. The power cord of this filter cannot be replaced. If the cord is damaged, the filter should be discarded.
  - D. To avoid the possibility of the filter plug getting wet, position the aquarium and its stand to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord, which connects the filter to the outlet. If an extension cord is used, the “drip loop” is the part of the cord below the level of the outlet or the connector that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, DO NOT unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the filter. Then, unplug and examine for the presence of water in the outlet. If you are not sure, consult a certified electrician.



3. Close supervision is necessary when the filter is used near children.
4. This filter is not allowed to use by persons (including children) with reduced physical sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the filter by a person responsible for their safety.
5. To avoid injury, do not contact moving or hot parts.
6. Always unplug the filter from the outlet when not in use, before putting on or taking off parts, maintenance, or placing hands in the water. Never yank the cord to pull the plug from the outlet. Grasp the plug and pull to disconnect.
7. Do not use the filter for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition and will void the warranty.
8. Do not install or store the filter where it will be exposed to extreme weather or temperatures below freezing.
9. Make sure the filter is securely installed before operating it.
10. Read and observe all the important notices on the filter.
11. If an extension cord is necessary, a cord with a proper rating should be used, such as rated amperes or watts. A cord rated for fewer amperes or watts than the filter rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
12. The filter is intended FOR HOUSEHOLD USE ONLY.
13. SAVE THIS USER MANUAL.



## 9. AQQA LIMITED MANUFACTURER'S WARRANTY

We offer the end user of this product a manufacturer warranty of 2 years from the date of sale if this product was purchased from an AQQA®-authorised specialist dealer

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by AQQA® Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period up to 2 years from the date of the original purchase through an Authorized Dealer. Refer to the User Manual included with your product for specific warranty details.

### **Products have no warranty if:**

1. The product has been serviced, modified or tampered with by anyone other than AQQA® Aquatic Supplies.
2. The product has been abused or damaged (including broken or cracked bulbs), and/or.
3. The product has been transported without proper packaging.
4. The product was purchased from an Unauthorized Reseller.

### **WARRANTY LIABILITY DISCLAIMER**

In no event will AQQA® be liable for any consequential or incidental damages, including but not limited to, lost aquatic life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any AQQA® products.

#### **1.0. Terms and Conditions of Warranty.**

- 1.1. AQQA® warrants to the purchaser, for 2 years from date of original purchase through an Authorized AQQA® Reseller, free to repair or replace parts 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. Only the direct purchaser is entitled to warranty claims against us and these are not transferable without our consent.
- 1.4. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
- 1.5. Wear parts (e.g.: seals, suction devices, axes, pump wheels, light sources, pH electrodes, filter media, such as filter cartridges, as well as UVC burners), glass damage and the opening of the product, as well as structural changes or the use of non-AQQA® original parts are excluded from the guarantee.
- 1.6. 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 and AQQA® must incur no costs from the shipment.
- 1.7. Where claims on inspection reveal goods are in normal working order, AQQA® will request reimbursement of all reasonable costs incurred.
- 1.8. Warranty claims do not exist in the case of only insignificant deviations from the agreed or customary condition or usability, e.g. insignificant deviations in colour, dimensions and/or quality or performance characteristics of the products.
- 1.9. Our warranty obligation extends only to the delivery of newly manufactured products. Unless otherwise agreed, used products are sold as seen, excluding any warranty.

## 10. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.

## 11. PACKING LIST

- 1xTop Cover
- 1xFlow regulator
- 1xRubber ring
- 1xT-shaped inlet tube
- 1xFilter Chamber
- 1xFilter body
- 1xWater pump
- 1xWater Inlet tube
- 1xExtension pipe
- 1xFloating skimmer
- 1xRubber ring
- 1xL-shaped outlet tube
- 1xUser manual
- 1xBio-wheel(FK063-S/FK063-M)
- 2xBio-wheel (FK063-L)
- 1xSupport foot(FK063-S/FK063-M)
- 2xSupport foot (FK063-L)
- 1xFoam protection for water inlet

## 12. CONTACT INFORMATION

Company Name: Shenzhen Aiku Pet Technology Co., Ltd

Add: Room 501, No.20, Lane 1, Lishipai, Dafapu Community

Bantian Street, Longgang District, Shenzhen Guangdong. 518000

Email: [service@aqqapet.com](mailto:service@aqqapet.com)

Website: <http://www.aqqapet.com>



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MADE IN CHINA