

展开尺寸：**320mm\*180mm**

## Instruction Manual

### Submersible Aquarium Filter

HCF-711-UV

HCF-713-UV

Thanks for buying our filter. To ensure you use the filter safely and correctly, please read carefully and thoroughly this instruction.

Please note that we are not responsible for any failure caused by misuse or improper maintenance.

SAVE THIS INSTRUCTION FOR FUTURE USE.

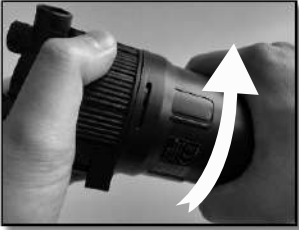
**CAUTION:**  
**THIS FILTER SHOULD ALWAYS BE SUBMERGED IN WATER DURING OPERATION.**

### Important Safety Cautions

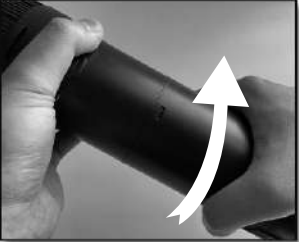
- Please operate the appliance under the rated voltage and frequency indicated on the rating label or instruction manual.
- A 10mA or 30mA residual current device must be fitted to the mains supply.
- The power cord is not replaceable. If the power cord or the plug is found hurt or damaged, or the plug is found aged, stop using the filter immediately. Return the filter to the retailer / distributor for disposal, or dispose it by yourself.  
  
Do not attempt to shorten the power cord, or to remove the plug. Failure to meet this point may cause damage to the filter.
- If abnormal smell or noise is found to the filter, unplug it immediately and check the cause. Contact your retailer / distributor if needed.
- Make sure your hand and the plug are dry when plug in or unplug the filter. It is forbidden to plug or unplug the filter with a wet hand as this might cause electric shock.
- Unplug the filter before installation and cleaning. Don't pull the power cord abruptly. To unplug, grasp the plug and pull it out from the receptacle.
- Protect properly the filter. If severe collision happens to the filter, check if there is any damage. If there is any breakage, stop using the filter and destroy it.
- Do not let the filter run dry as this will damage the rotor and will cause over-heating of the motor.
- Do not operate or leave the filter in freezing conditions.
- Do not use the filter in inflammable or corrosive liquids. The filter should work in the environment less than 40 °C (104°F).

### Installation

- Take out the pump and the accessories from the package. Make sure there is no part missed.
- Take out the filter sponge and rinse with clean water.



Hold the filter head with one hand and the filter housing with another hand, rotate counterclockwise to release the lock and remove the filter housing from the filter head.

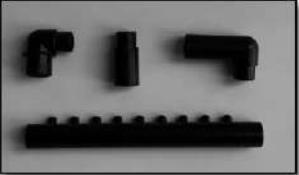


Do the same to unlock the other filter housing.

- There are 2 ways to use the filter. Choose the one you prefer to install.

### Rainfall Mode

In this mode, the following spare parts will be used.



Follow the pictures below for the installation. The sequence of installation is short straight tube – short elbow – long elbow – spray bar.



### Oxygenation mode

In this mode, the following spare parts will be used.



Follow the pictures below for the installation.



The air flow can be adjusted by turning the knob at the end of the tubing.



For neatness of the setup, clip the airline tubing to the power cord with the locator on the air control knob.

### Suction cups

The suction cups should be installed by sliding into the slots at the back of the filter.



### Flow control

The water flow can be adjusted by turning the knob on the top of the filter.



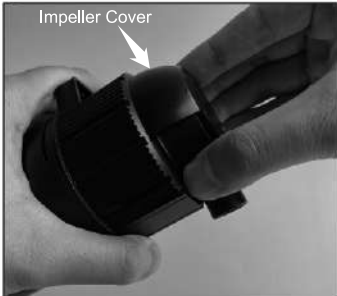
### Maintenance

#### Maintenance of the pump

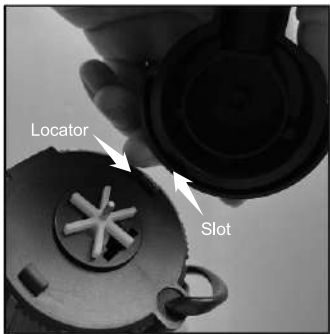
This pump is free from lubricants or special maintenance. However, to keep the pump operates in the best condition, regular maintenance and cleaning is needed.

To clean the pump,

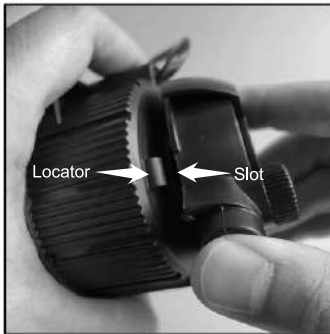
- Take off the air tubing or the spray bar.
- Remove the impeller cover by turning left or right to align the slot on the impeller cover to the locator of the motor head to release the lock. Gently pull away the impeller cover from the motor head.



- Carefully take out the impellor/rotor assembly.
- Wash out all of the components in clean water. Do not use detergents or other chemical cleaners.
- Reassemble the pump in the reverse order. Note that the following process should be followed to install back the impeller cover.



- Align the slot on the impeller cover to the locator and press to fit.



- Align another slot on the impeller cover to the locator and press to fit.
- Then rotate the impeller cover left and right to secure the fitting.
- Note that the flow direction can also be controlled by turning the impeller cover left and right.
- Clean the pump at least once a month. More frequent cleaning might be needed depending on the water condition.
- For wearing parts like the impellor kit, approach the local retailer / distributor for replacement. You need to pay for the wearing parts if the pump has been used for over 1 year.

### Maintenance of the filter media (the sponges)

Hold the pump with one hand and the filter housing with another hand. Rotate the filter housing counterclockwise to take off the filter housing from the pump, take out the sponges and rinse with clean water.

The frequency of cleaning depends on the condition of the water in the aquarium. **It is highly recommended to do the cleaning every 2 weeks.**

### Replacement of the filter media (the sponges)

The filter media is recommended to replace as follows:

- For HCF-711-UV :

Fine and coarse filter sponge - every 2 months; carbonized sponge - very month.

To re-install the sponges, for the best filtration efficiency, please follow the sequence of blue (coarse sponge) - black (carbonized sponge) - yellow (fine sponge) from bottom to top.

- For HCF-713-UV:

Fine and coarse filter sponge - every 2 months.

The correct order is coarse sponge - fine sponge from bottom to top.

### Troubleshooting

#### The pump doesn't pump water

- The pump is not started up.
- The power doesn't match the voltage and frequency specified on the pump.
- Water inlet or outlet is blocked.
- Impellor or rotor is damaged.

#### Water flow is reduced

- The voltage is lower than the rated.
- Water inlet or outlet is partially blocked.
- Wastes are accumulated in the filter sponges.

#### The pump is noisy

- Water inlet is partially blocked.
- Water level is lower than the inlet of the pump. Air enters into the pump to cause noise.
- Rotor is worn (need to be replaced)

Seek for your local retailer / distributor's help if the above troubleshooting can't resolve the problems.

### UV Lamp

**WARNING:** This appliance contains a UVC emitter. Unintended use of the appliance or damage to the housing may result in the escape of dangerous UVC radiation. UVC radiation may, even in little doses, cause harm to the eyes and skin.

ALWAYS DISCONNECT THE FILTER FROM POWER SOURCE DURING MAINTENANCE OF THE UV LAMP.

### Operation of the UV Lamp

To clear the algae in your aquarium, you don't need the UV to run all the day.

There are 4 options for the timing: 4 / 8 / 12 / 24 hours. Simply press the SET button to choose the duration.



### The setting of the timer

Taking 4 hours as an example. Press SET, the green light of 4H will be turned on. The UV light will start to work for 4 hours from the time the button is pressed. After 4 hours' operation, the UV light will be turned off automatically. The UV light will start working again next day at the same time of the first press.

Note that only the UV lamp will be turned off. The pump/filter will still be running all the time.

### Maintenance of the UV Lamp

Basically, the UV lamp is recommended to replace every 6 months. Depending on how long you use the UV lamp per day, the frequency may be longer or shorter. If the water has a significant reduction in clarity, you should change the UV lamp.

Follow the below instructions to change the UV lamp.

#### 1.Refer to Point 2 of "Installation"for the disassembly.

- Take off the filter housing and filter sponges. The filter will look like this.



- Release the locking nut on top of the quartz glass and take off the quartz glass gently. Make sure the sealing ring is not missed.



- Hold the filter head with one hand, and the ceramic part of the lamp with another hand to take the lamp apart from the filter head.



- Replace with the new lamp and do the reverse to assemble back the quartz glass and the locking nut. Make sure the sealing ring is in place as otherwise there will be water entering into the glass to cause danger.

### Technical Data

| MODEL          | FREQ.<br>/VOLT.        | POWER | MAX<br>FLOW | MAX<br>HEAD<br>HEIGHT | UV<br>POWER |
|----------------|------------------------|-------|-------------|-----------------------|-------------|
| HCF-711<br>-UV | 220V/50Hz<br>120V/60Hz | 5W    | 130<br>GPH  | 2ft                   | 3W          |
| HCF-713<br>-UV | 220V/50Hz<br>120V/60Hz | 6W    | 200<br>GPH  | 3ft                   | 8W          |