



Instruction Booklet

Thank you for your purchase! AA's Internal UV Sterilizer is a state-of-the-art design that can significantly reduce disease-causing agents and algae in your aquarium. Before operating this unit, please read the following safety precautions and operation instructions carefully.

Features:

- Compact Submersible design with filter pump included
- Simple Installation - NO External pipes or plumbing required
- Suction Cup mounting – no tools required
- Filtration Sponge included
- LED Signals need for bulb replacement
- Patented UV Sterilizer Technology

IMPORTANT SAFETY INSTRUCTIONS:

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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 repairs by yourself; return the appliance to an authorized service facility for service or discard the appliance;

- If the UV sterilizer shows any sign of abnormal water leakage, immediately unplug it from the power source.
- Carefully examine the UV sterilizer after installation. It should not be plugged in if there is water on parts not intended to be wet.
- Do not operate the UV sterilizer if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
- Close supervision is necessary when the UV sterilizer is used by or near children.
- To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, and the like.
- Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
- Do not use the UV sterilizer for other than intended use. The use of attachments not recommended or sold by the UV sterilizer manufacturer may cause an unsafe condition.
- Do not install or store the UV sterilizer where it will be exposed to the weather or to temperatures below freezing.
- Make sure an UV sterilizer mounted on a tank is securely installed before operating it.
- Read and observe all the important notices on the UV sterilizer.
- If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for

less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

- This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.
- Always unplug from main supply before doing any maintenance.
- Do not plug or unplug any power supply when hands are wet.
- Do not use or repair this product by yourself if the power cord or power adaptor is damaged. These are to be repaired or replaced by the manufacturer, its service agent, or a similarly qualified person to avoid a hazard.
- To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop" shown in the figure below, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle.

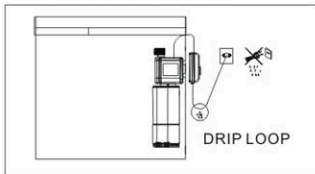
WARNING:

Do not expose eyes or skin to unshielded UV lamps. UV sterilizing lamps emit UV radiation which may cause eye or skin injury.

NOTE:

AA's UV lamp is manufactured in a sealed shielded opaque housing.

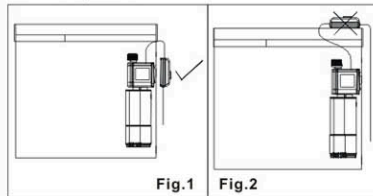
SAVE THESE INSTRUCTIONS



INSTALLATION INSTRUCTIONS:

- Carefully remove the unit from the packing materials. Check for damage. If damaged, return product to your retailer immediately.
- Identify components (Ref. Fig.5)
 - 1 sealed Sterilizing UV Lamp Assembly – together with the filter cartridge and connect to a control box. Control box with built-in LED indicator
 - 1 filter pump with individual plug
- Look at the picture on the box of the UV assembly for reference. Attach the AAUV3W to the aquarium. Control box placed outside the tank. (Refer to Fig.1)

4. Locate the UV in the desired location in your aquarium making sure the UV Lamp Assembly and the filter pump is covered with water. The unit may be rotated or in different angle if needed to fit to your tank.
 5. To avoid the risk of shorting by water vapor, the Control box MUST be affixed onto the outside of the tank but NOT on the top of the tank. Refer to Fig.2
 6. To operate, now plug in for both filter pump and UV Lamp Assembly
- Lighted LED on the control box confirms sterilizer operation.



OPERATING HINT: For UV Sterilizers to be effective, water contact time inside the bulb assembly must be maximized. For this reason, the WATER FLOW through the BULB assembly is RESTRICTED and may seem SLOW, but that is INTENDED for efficacy.

AAUV3W pump is 200L/hr (50GPH), flow rate through the bulb is 180L/hr (48GPH)

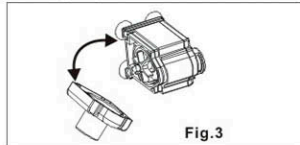
MAINTENANCE:

For best performance service every 3 to 5 weeks, depending upon your water conditions. Always keep the inlet Sponge Cartridge CLEAN.

IMPORTANT ! - Always unplug before carrying out any maintenance.

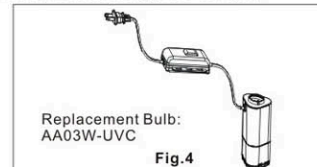
Cleaning Filter Pump and filtration sponge

1. Remove Lamp Assembly from your aquarium.
 2. Remove and rinse filtration sponge under tap water.
 3. Remove filter pump
 4. Take out the impeller and rinse under tap water. (See Tips below)
 5. Remove any foreign materials from impeller cavity.
 6. To reassemble reverse above steps.
- Impeller Removal Tips:**
- Connect the cartridge to the impeller housing (Ref. Fig.3)
 - Use the cartridge as a tool and pry off pump cover.
 - Remove pump cover, and then remove impeller.



LAMP ASSEMBLY REPLACEMENT:

AA's UV features an LED UV Lamp indicator on the Connection Box. LED ON = UV Lamp is GOOD; LED OFF = Replace UV Lamp
Replacement Lamp Assemblies include the entire plastic housing (refer to Fig.4)

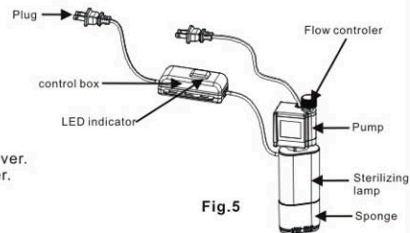


CAUTION: DON'T attempt to expose UV light directly to the eyes or skin as an unshielded UV lamp may cause injury!

1. Unplug before carrying maintenance.
 2. Remove Lamp Assembly and filter pump from your aquarium.
 3. Disconnect filter pump from Lamp Assembly
 4. Install new Lamp Assembly reversing above sequence. AA03W-UVc sterilizer connects to AAUV3W only.
- Note: Do not try to disassemble the Lamp Assembly, it is sealed and not serviceable. ONLY REPLACE AS AN ASSEMBLY.

TROUBLE SHOOTING GUIDELINES:

SYMPTOM	SOLUTION
Slow water; or the filter pump doesn't work	- Clean Blue Inlet filter of debris - Check connection of plug - Clean the filter pump (See "Maintenance")
If the sterilizing lamp doesn't work	- Check connection of plug - If the LED on the control box is OFF, a new Lamp Assembly is required.
If there's still too much algae!	- For larger aquariums (over 80L / 20 US Ga) Please use our 9W Green Killing Machine. - Minimize your 'lights on' time (14hours max) Fish need time to rest and algae growth is promoted by lighting. - AA's Algae Cure (Model: AA003M) also helps to control algae growth.



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Comments and Inquiries:
Please write to us at info@aa-aquarium.com