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 operating 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 is damaged or if it has been damaged 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.

**Operating Instructions:**
- 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 adapter 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.**

**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:**
1. Carefully remove the unit from the packing materials. Check for damage. If damaged, return product to your retailer immediately.
2. Identify components (Ref. Fig. 5)
   a) 1 sealed Sterilizing UV Lamp Assembly together with the filter cartridge and connect to a control box. Control box with built-in LED indicator
   b) 1 filter pump with individual plug
3. 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 angles 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.

**Lamp Assembly Replacement:**
AA’s UV features an LED UV Indicator on the Connection Box. LED ON = UV Lamp is GOOD; LED OFF = Replacement UV Lamp. Replacement Lamp Assemblies include the entire plastic housing (refer to Fig. 4)

**Replacement Bulb:**
AA3W.UVC

**Operating Hint:** For UV Sterilizers to be effective, water contact time inside the bulb 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 on your water conditions. Always keep the Inlet Sponge Cartridge CLEAN.

**Installation:**
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.

**Trouble Shooting Guidelines:**

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<th>Symptom</th>
<th>Solution</th>
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| Slow water; or the filter pump doesn’t work | - Clean Blue inlet filter of debris
| If the sterilizing lamp doesn’t work | - Check connection of plug
|                           | - Clean the filter pump (See “Maintenance”) |
| If there’s still too much algae! | - Check connection of plug
|                           | - If the LED on the control box is OFF, a new Lamp Assembly is required. |
|                           | - For larger aquariums (over 80L/20 US Gal) Please use our 9W Green Killing Machine. |
|                           | - Minimize your “lights on” time (14hrs max) Fish need time to rest and algae growth is promoted by lighting. |
|                           | - AA’s Algae Cure (Model: AA203M) also helps to control algae growth. |

To see more great “AA” products, please visit us at www.a-aquarium.com

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

Ref.: AAUV3W-IB-EN_E01

**Diagram of AAUV3W**