

**WARNING!** The UV lamp used in this unit produces harmful ultraviolet radiation. Never look directly at lamp as damage to eyes will occur. Always disconnect the power supply before opening the unit for service. Failure to do so will expose the user to harmful UV radiation. Buyer/user assumes all responsibility for safety and proper use not in accordance with the directions and safety labels.



# UV STERILIZER ViaAqua®



## FEATURES

- **Quartz PL UV bulb**
- **Quartz Sleeve**
- **Built in Water resistant ballast**
- **For use indoors or outdoors**
- **For use in salt and freshwater environment**

The ViaAqua® Terminator™ UV Sterilizer features a quartz glass PL bulb. The sterilizer uses a quartz sleeve that will maintain the bulb temperature thus allowing 95% of the UV radiation to sterilize the water, producing more UV radiation than comparable UV units. The internal burning chamber is design for maximum contact time. As the water is redirected by the baffles in the internal burning chamber a vortex will occur. The increased contact time exposes virtually all organic, single celled algae and eradicates most harmful microorganisms to maximum UV radiation exposure.

## SPECIFICATIONS

Model No.	Wattage	Max. Water Flow	Pond Size	Aquarium Size	UPC No. 0069037
UVS-9N	9 w	500 GPH	750 gal.	100 gal.	3365 6
UVS-13N	13 w	600 GPH	1500 gal.	200 gal.	3366 3
UVS-18N	18 w	750 GPH	2500 gal.	300 gal.	33670
UVS-36N	36 w	1250 GPH	6000 gal.	500 gal.	3368 7



UVS-9N  
UVS-13N  
UVS-18N



UVS-36N

## WARNING AND SAFEGUARDS

- The UV lamp used in this unit produces harmful ultraviolet radiation. Never look directly at lamp as damage to eyes will occur. Always disconnect the power supply before opening the unit for service. Failure to do so will expose the user to harmful UV radiation.
- This product may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. Wash your hand after handling the product.
- It is your sole responsibility to verify that the plug and receptacle are clean/free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, and magnesium. Failure to do so may cause fire and/or loss of life.
- Do not plug into an extension cord or power strip.
- A drip loop must be used when plug into any electrical devices. A drip loop is part of the cord hanging below the receptacle.
- The national code requires all aquarium equipment to be plugged into a G.F.C.I. (Ground Fault Circuit Interrupter) electrical outlet. If you do not have a G.F.C.I., have an electrician install one prior to operating any aquarium components.

### Read and follow all precautions, safeguards and instructions.

- Use this product for its intended use only.
- Never yank or pull the cord from the electrical outlet.
- Do not operate if the plug or wire is damaged.
- Do not operate without water.
- The ultraviolet sterilizer must be turned off prior to shutting off the water to the ultraviolet sterilizer.
- Verify that hands are dry prior to disconnected the power.
- To reduce the risk of electrocution keep all connections dry.
- If the product is to fall into the water, unplug the unit first then retrieve the unit from the water. If any of the electrical components get wet unplug immediately.

*This product may contain chemicals known to the state of California to cause cancer and or birth defects or other reproductive harm. Wash your hand after handling this product.*

*It is your sole responsibilities to verify that the plug and the receptacle are clean and free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, permanent damage to the product and personal injury not limited to loss of life.*

*Do not plug into extension cord/power strip.*

*A drip loop must be used when plugging all electrical aquarium devices. A drip loop is that part of the cord hanging below the receptacle.*

*The national code requires that a GFCI (Ground fault circuit interrupter) be used in the branch circuit supplying all power to water pumps and electrical aquarium equipment. If you do not have a GFCI, have an electrician install one prior to operating any aquarium component.*

### **Additional Safety Precautions & Warnings:**

Age Recommendation: 18 years or over. Not a toy. Not intended for use by children without direct adult supervision. As the user of this product, you are solely responsible for operating it in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

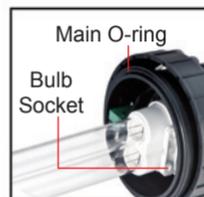
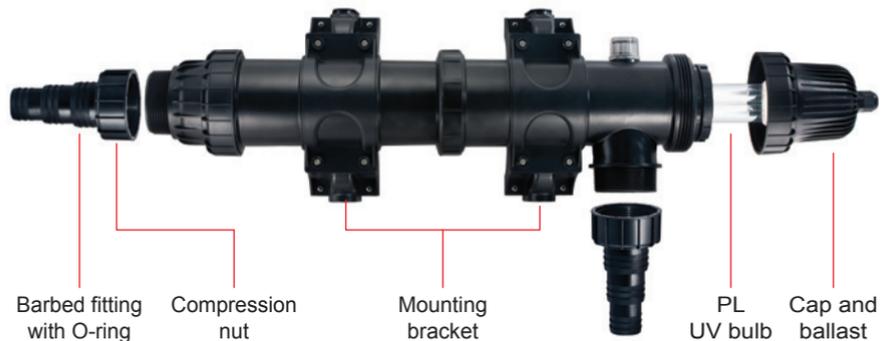
**Important:** *You must verify that the receptacle is clean and free of moisture at all times. The receptacle must be free of water, salt, and calcium. Failure to do so will cause permanent damage to the UV or start a fire.*

*The national code requires that a GFCI be utilized in the branch circuit which supplies electrical power to the aquarium pump and all other electrical aquarium devices.*



## **PART LIST**

1. Barbed fittings with o-ring
2. Compression nut
3. Mounting bracket
4. PL UV bulb
5. Cap and ballast
6. Indicator light
7. O-ring
8. Main o-ring
9. Bulb socket
10. Quartz Sleeve



## **INSTALLATION**

### **Installation of the UV Sterilizer**

**Note: Every unit is equipped with a safety switch and the light bulb will not light unless the cap and ballast is installed properly**

1. Follow all safeguards and warning.
2. Since the ultraviolet light does not come with a pump, a water supply needs to be installed. To do this a powerhead, external water pump or a canister filter can be used. The pump supplying water to the ultraviolet sterilizer must be pre-filtered. Pre-filtering the water will limit build-up on the quartz sleeve thus allowing maximum UV penetration.
3. Use the chart provided for optimum performance. Note: Slow water flow (GPH) will increase the duration the water will be in contact with ultraviolet radiation. The only variable which increases contact time is the speed of water flow (GPH) not the way water is channeled in the reaction chamber.
4. Find a place for the ultraviolet chamber where as it cannot come in contact with water and when the tubing is installed there will not be any kinks in the tubing.
5. Installation for inline applications: Model number 9w, 13w, 18w and 36w:
  - a. Place the UV in an area where as it will not come in contact with water or in direct contact with elements, such as rain, direct sunlight, or flooding.
  - b. Secure using the mounting brackets provided.
  - c. Now install the barbed tubing fittings.
6. Verify that the o-ring inside the barbed fitting is clean and free of all debris. The use of silicone o-ring lubricant aids in creating a good seal.
7. Place the barbed tubing fitting onto the threaded opening on the ultraviolet chamber. Now slide the threaded nut over the barbed tubing fitting and tighten. Hands tighten only. Repeat step 2 for the discharge. Do not reduce the discharge tubing. The discharge tubing must be at least as large as the intake tubing.

**Note: When using larger tubing it may be necessary to saw off the smaller adapters.**

- a. Secure the flexible tubing with hose clamps.
- b. Turn on water supply.
- c. Plug the ultraviolet sterilizer into a GFCI electrical outlet only.

### **Installation of UV PL Bulb**

1. Follow all safeguards and warnings.
2. Unscrew the threaded PL bulb cap and ballast on the end of the ultraviolet sterilizer. Once unscrewed the inside of the cap will reveal the PL light bulb socket.
3. Remove the PL ultraviolet bulb from the box. Important: Do not touch the quartz part of the bulb. If needed use a clean cloth to handle the bulb.
4. Align the pins with the holes in the bulb socket. Press the bulb directly into the holes in the bulb socket. Avoid all angles; failure to do so may cause permanent damage to the bulb and/or the bulb socket.
5. Screw cap back onto the UV sterilizer.

## **MAINTENANCE**

Before doing any maintenance on the ultraviolet sterilizer, the power supply and water supply must be disconnected. Only in rare situations does the quartz sleeve ever have to be removed. If necessary use a coin or a large flat head screw driver to gently and carefully remove the quartz sleeve. If excess force is used the quartz sleeve will break. After removed use a soft clean cloth to gently remove any excess grim and/or debris. Reassemble using a small amount of silicone o-ring lubricant placed on the o-ring prior to sliding into the main body of the ultraviolet sterilizer.

The PL ultraviolet bulb needs to be replaced every 8,000-9,000 hours. This will insure optimum performance.

1. Follow all safeguards and warnings
2. Unscrew the threaded PL bulb cap on the end of the ultraviolet sterilizer. Once unscrewed the inside of the cap will reveal the PL light bulb socket.
3. Remove the PL UV bulb from the box. Important: Do not touch the quartz part of the bulb. If needed use a clean cloth to handle the bulb.
4. Align the pins with the holes in the bulb socket. Press the bulb directly into the holes in the bulb socket. Avoid all angles; failure to do so may cause permanent damage to the bulb and/or the bulb socket.
5. Screw cap back onto the UV sterilizer.
6. Replacement quartz sleeves and quartz bulbs are available at your independent dealer.

**Note: The efficiency of the Terminator UV Sterilizer depends on the duration the UV light is contact with the water. Thus the rate of water flow not the way the water travels will relate to the efficiency of the UV sterilizer.**

## REPLACEMENT PARTS

Part No.	Wattage	Case Lot	UPC No. 0006760
UVS 9B	9 w	12	2367 1
UVS 13B	13 w	12	2900 0
UVS 18B	18 w	12	2903 1
UVS 36B	36 w	12	1510 2



## TECHNICAL SERVICE DEPARTMENT

**Monday to Thursday 9 am - 5 pm PST**  
**(805) 383-3566 ext. 102.**  
**info@commodityaxis.com**

## LIMITED WARRANTY

Commodity Axis, Inc.® warrants that the ViaAqua® Terminator™ UV Sterilizer is free from defects for a period of one year from the initial date of purchase shown on the original cash register receipt. Commodity Axis, Inc.® disclaims all other warranties, express or implied, including but not limited to any implied warranties of merchantability and/or fitness for a particular purpose. Although this limited warranty gives you specific rights, you may have other rights which vary from state to state. This warranty is void if the failure is due to misuse, tampering, negligence, abuse, accident and/or submersion, a failure to properly install, maintain, clean, prefilter, reassemble, and/or failure to use the ViaAqua® Terminator™ UV Sterilizer with a Ground Fault Circuit Interrupter (GFCI).

## CONSUMER REMEDIES

Commodity Axis, Inc.® entire liability and your sole and exclusive remedy shall be either repair or replacement of the ViaAqua® Terminator™ UV Sterilizer only if you return the defective unit directly to Commodity Axis, Inc.® with the original receipt in its original box along with ten dollars (\$10.00) for shipping and handling. Do not send the ViaAqua® Terminator™ UV Sterilizer by insured mail. You may send your returns or replacements by UPS requiring a signature upon arrival. Any replaced unit will be warranted for the remaining time of the original warranty period. In no event shall any shipping charges be reimbursed. In no event will Commodity Axis, Inc.® be liable for any consequential or incidental damages, including but not limited to, lost sea life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of the ViaAqua® Terminator™ UV Sterilizer. Some states do not allow for the limitation or exclusion of liability for incidental or consequential damages, so the above exclusion may not apply to you.

## RETURNS

Please contact our service center at (888) 838-3882 or fax (888) 989-0878 to arrange repair and/or replacement. Please allow 4-6 weeks for all returns. Commodity Axis, Inc.® cannot ship nor respond to a P.O. Box address.

## WARRANTY CARD

Please go to our website, to download Warranty Card.

<http://www.viaaquaoceanpure.com/main/resources.html>

Fill out this warranty card and mail it with **Proof of Purchase** within 15 days of purchase



**[WWW.COMMODITYAXIS.COM](http://WWW.COMMODITYAXIS.COM)**

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