

WARNING

Buyer/User assumes all responsibility for safety and proper use not in accordance with the directions and safety labels.



TERMINATOR™ UV STERILIZER

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



ViaAqua®

FEATURES

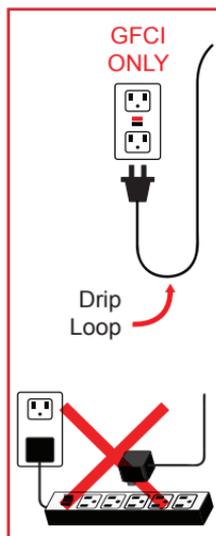
The ViaAqua® Terminator™ UV Sterilizer features a quartz glass PL bulb. The sterilizer uses quartz sleeve that maintains the bulb temperature thus allowing 95% of the UV radiation to sterilize the water. Produce more UV radiation than comparable UV units. The internal burning chamber is design for maximum 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.

PRECAUTION AND SAFEGUARD

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.**
- » **This product may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. Wash you 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.
- * Although the ballast is water resistant do not place the ballast in area where it can come in contact with water.



INSTALLATION OF THE UV STERILIZER

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 buildup 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 can not 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, 24w, 36w and 55w.
 - 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. Now install the barbed tubing fittings.
6. Place the gasket onto the flange of the barbed tubing fittings. The use of silicone o-ring lubricant aids in creating a good seal.
7. Place the barbed tubing fitting/gasket onto the threaded opening on the ultraviolet chamber. Now slide the threaded nut over the barbed tubing fitting and tighten. Hands tighten only. If the threaded nut is to tight the fitting may leak.
8. 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 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.

PART LIST

1. Cap and PL bulb socket
2. PL UV bulb
3. Quartz sleeve
4. Main body
5. Compression nut (2)
6. 1 1/4" barbed fitting with gasket (2)
7. 1-2" - 1" barbed fitting with gasket (2)
8. Ballast
9. Mounting bracket (2)



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.

- A. Follow all safeguards and warnings
- B. 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.
- C. 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.*
- D. 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.
- E. Screw cap back onto the UV sterilizer.
- F. 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.

Specification of the Terminator UV Sterilizer:

Item no.	Capacity	Max. water flow	Wattage	Case Lot	UPC #0069037
UVS 5	60 gal.	200 GPH	5 watt	6	1398 6
UVS 9	100 gal.	500 GPH	9 watt	6	1160 9
UVS 13	200 gal.	600 GPH	13 watt	6	1156 2
UVS 18	300 gal.	750 GPH	18 watt	6	1518 8
UVS 24	400 gal.	1,000 GPH	24 watt	6	1519 5
UVS 36	500 gal.	1,250 GPH	36 watt	6	1520 1

Replacement UV Bulb:

Item no.	Wattage	Case Lot	UPC #0069037
UVS 5B	5 watt	12	2066 3
UVS 9B	9 watt	12	2367 1
UVS 13B	13 watt	12	2900 0
UVS 18B	18 watt	12	2903 1
UVS 24B	24 watt	12	1492 1
UVS 36B	36 watt	12	1510 2



LIMITED WARRANTY

Commodity Axis Inc. warrants that the Terminator™ UV Sterilizer is free from defects for a period of one year from the initial date of purchase shown in the original cash register receipt. Commodity Axis Inc. disclaims all other warranties of merchantability and/or fitness for a particular purpose. Although this limited warranty gives you specific rights, you may have other rights that may vary from state to state. This Warranty is void if the failure of the Terminator™ UV Sterilizer or any part, sealant or component there of is due to (i) misuse, (ii) tampering, (iii) negligence, (iv) misapplication, (v) abuse, (vi) accident and/or (vii) failure to properly (a) maintain, (b) clean, (c) proper bulbs, (d) reassemble, (e) keep unit from coming in contact of water and/or use the Terminator™ UV Sterilizer with a Ground Fault Circuit Interrupter (G.F.C.I.).

CONSUMER REMEDIES

Commodity Axis Inc. entire Liability and your sole exclusive remedy be, either repair or replacement of the Terminator™ UV Sterilizer only if you return the defective Terminator™ UV Sterilizer directly to Commodity Axis Inc. with the original receipt in this original box along with fifteen dollars (\$15.00) for shipping and handling. Do not send the Terminator™ UV Sterilizer by insured mail. The Terminator™ UV Sterilizer may be sent by UPS requiring signature upon arrival. Any replacement Terminator™ UV Sterilizer will be warranted for remaining of the original warranty period. In not 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, loss of life, personal injury, property damage, damaged equipment, lost profits, lost wages, lost savings, lost income, etc. arising out of the use of the 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.

ViaAqua[®] REGISTRATION CARD

ONE (1) YEAR WARRANTY CARD

Please fill out this warranty card and mail it with PROOF OF Purchase within 15 days of purchase to: Commodity Axis Inc.,

300 South Lewis Rd. Unit J. Camarillo CA 93012, USA

Name	Date	
Product Name	Mode No	
Address		
City	State	Zip Code
Country	Home Phone	
Cell Phone	Email	
Date of Purchase	Seller (Retail Name)	
Seller's Location	Phone	

IMPORTANT: Please make a copy of this warranty card and retain it for your records. Warranty policy is subject to change without notice.



COMMODITYAXIS[®]
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Bringing Products to Life
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