

# **GAMMA POND™**

## **Commercial Ultraviolet Sterilizers**

Instructions for Models  
#1404-80w, 1405-120w, 1406-160w, 1407-200w, 1408-240w

Important Safety Instructions .....	Page 2
Installation .....	Page 3
Maintenance & Winterizing .....	Page 5
Warranty .....	Page 6



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06-2005-JEE

# SAFETY INSTRUCTIONS

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Ultraviolet Sterilizer must be plugged into a GFCI outlet at all times. Do not operate the lamp without water flow. Overheating may occur to the lamp or sterilizer body. Inspect unit once a month for any damage due to corrosion. Remove from service if damage is found.

Once the Gamma is assembled it is strongly recommended that you water test the unit while observing the operation for a minimum of 30 minutes to ensure that it is running properly and there are no leaks. At no point should you look directly at the un-installed UV lamp while lit as serious eye damage can occur. The clear threaded viewing sections on the UV body will indicate whether the lamp is working or not once the bulb is installed.

**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:

1. If electrical components of the sterilizer get wet, unplug the appliance immediately.
2. Carefully examine the sterilizer after installation. It should not be plugged in if there is water on parts not intended to be wet.
3. Do not operate sterilizer if it has a damaged cord or plug, or if it is malfunctioning or damaged in any manner.
4. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the fixture. Then, unplug and examine for presence of water in the receptacle.
5. Close supervision is necessary when any appliance is used by or near children.
6. To avoid injury, do not contact hot parts such as ballast and the like.
7. Always unplug the sterilizer 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.
8. Do not use the sterilizer for other than intended use. The use of attachments not recommended or sold by the sterilizer manufacturer may cause an unsafe condition.
9. Do not install or store the sterilizer where it will be exposed to the weather or to temperatures below freezing.
10. Make sure the sterilizer is securely installed before operating it.
11. Read and observe all the important notices on the sterilizer.
12. 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 sterilizer rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.



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**2**

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# INSTALLATION

## POND UV INSTALLATION

Important: When setting up your UV it is very important that care be taken with assembly to avoid damage and to prevent leaks during operation. Once the Gamma UV is assembled, it is strongly suggested that you water test the unit while observing the operation for a minimum of 30 minutes to ensure that it is running properly and there are no leaks. At no point should you look directly at the un-installed UV lamp while operating as serious eye damage can occur. Clear viewing section on the UV body will indicate whether the lamp is working or not once the bulb is installed.

## INSTALLATION

1. Locate the clear quartz sleeve (s) (Part N) and gently insert it into the UV body (Part A.) The sleeve will insert into a rounded port on the opposite end of the UV body. Be careful not to jam the sleeve into this port as this could damage both the sleeve and the UV body.
2. Thread the quartz locking nut (Part B) onto the compression fitting surrounding the end of the quartz sleeve by hand. Do not over tighten as this can damage the quartz sleeve.
3. The Gamma can be plumbed by directly gluing fittings to the 2" slip inlet and outlet or you may use the supplied unions. Either fitting can be used as the inlet or outlet. Before gluing any pipe to the unit or gluing the reducer bushing into the unit, remove the quartz sleeve and bulb first to prevent glue from getting on the quartz sleeve. Ensure that Teflon tape (Supplied) is used on all threaded connections. The UV sterilizer should be plumbed at the end of your filtration line, after all other filters.
4. Once you have completed the plumbing, turn the pump on supplying water to the sterilizer. Check all connections on the unit for leaks and monitor for at least 30 minutes. If leaks occur, it may be necessary to tighten fittings.
5. Once you have determined the Gamma UV is leak-free, it is time to install the UV lamp. Locate the UV lamp (Part O) and the lamp socket with ballast assembly and insert the pins of the lamp firmly into the socket, holding the lamp by the white end instead of the clear quartz. Feed the lamp and socket assembly into the quartz locking nut and thread until the small rubber O-ring begins to flatten out. You need only to hand tighten this and all connections on the Gamma UV.
6. Now plug in the power cord to the ballast. The UV lamp should come on and you will see a faint glow coming from the clear fitting at the opposite end of the unit. Unplug the power cord as soon as you have verified that the lamp is functioning and place the UV back into operation. If you do not see a glow, make sure that the lamp is firmly seated into the socket. If it still does not work, please contact your dealer.
7. The unit can be mounted either vertically or horizontally depending upon the application. If mounting the unit vertically, make sure that the power supply is mounted at the top to ensure that any trapped air is forced out of the unit from the water pressure. If mounting the unit horizontally, the inlet and outlet should be facing up.

### WARNING

To reduce the risk of electrocution, keep all connections dry and off the ground.

Do not touch plug with wet hands.

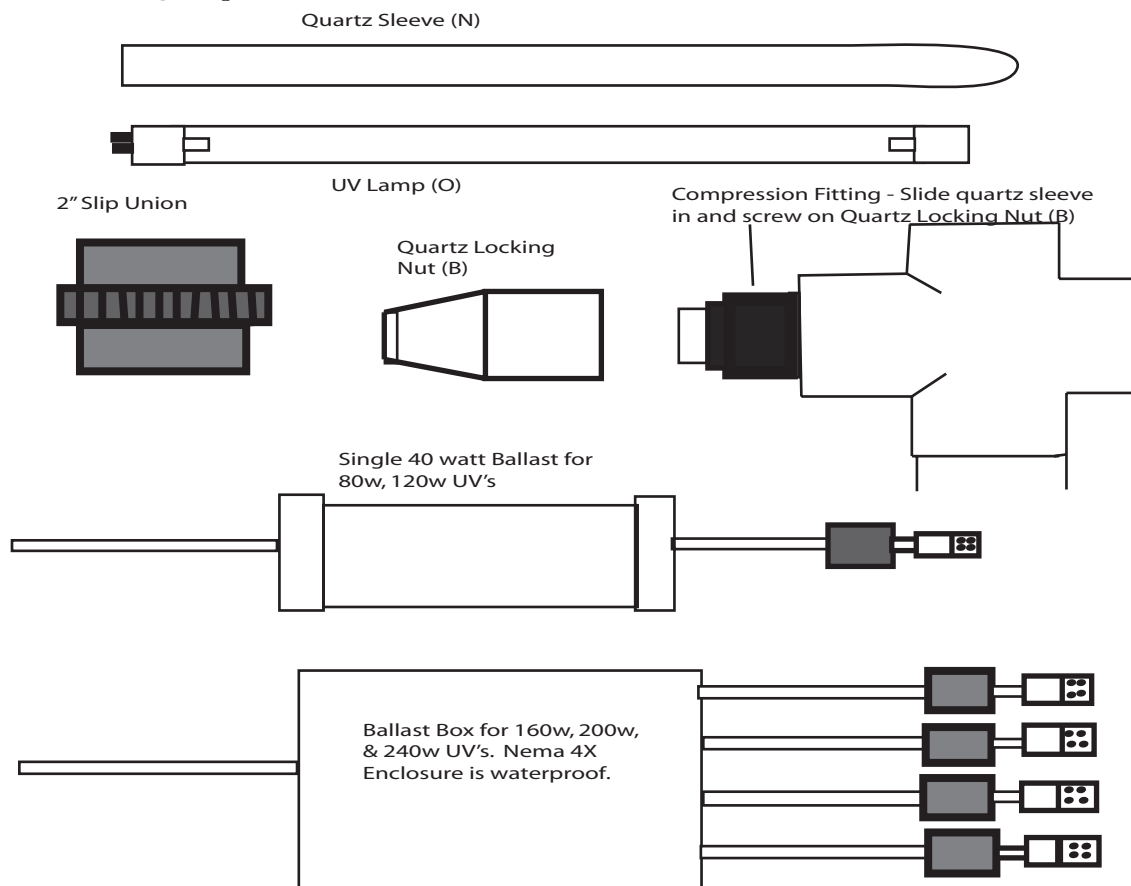


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WHAT'S NEXT

# INSTALLATION

8. When using the unit for ponds and aquariums, NEVER place the unit directly into the water. The power supply and ballast should NEVER be submerged or placed in a location where rain water may collect and submerge the ballast.
9. This product MUST be connected to a ground fault circuit interrupter (GFCI) outlet at all times. Do not attempt to cut the ground plug off. This product is equipped with a grounded plug that must be plugged into an appropriate outlet that is properly installed and grounded in accordance with local codes and ordinances. Improper connection can result in the risk of electrocution. When in doubt, check with a local certified electrician.
10. Avoid using extension cords. If an extension cord is required, use only 3-wire extension cords that have 3-prong grounded plugs and 3-pole cord sockets that accept the plug from the product. Use only cords that are approved for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cord and do not yank on any cord to disconnect. Keep cord away from heat and sharp edges. Always disconnect extension cord from the receptacle before disconnecting the product from the extension cord.



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# MAINTENANCE/WINTERIZING

## MAINTENANCE

Although the Gamma UV requires little maintenance, there are a few suggestions that will ensure the highest sterilization efficiency. When carrying out any maintenance, the unit must be disconnected from the power supply.

The quartz glass used in the Gamma allows the highest transmission in the industry. This light transmission can be affected by calcium and other mineral deposits on the sleeve. It is recommended that the sleeve be removed every 6 months and soaked in vinegar or any calcium/hard water stain remover to remove these deposits. While soaking the quartz sleeve, it is also recommended that you circulate fresh water through the sterilizer to remove any debris. Rinse well in a sink or with a hose and allow the quartz sleeve to dry before re-installing into the Gamma UV body. Pump maintenance can also be performed at this time.

The T-5 lamp in the UV should be replaced every 9-10 months for maximum efficiency. Replacing the lamp with Current USA brand germicidal lamp ensures the highest performance.

## WINTERIZING

Using this unit in extremely cold temperatures or allowing water to freeze inside the body can severely damage the unit. It is recommended to shut down the unit if the outdoor temperature drops below 50° F.

Drain and remove the unit from the filter system, cleaning of the inside and quartz sleeve can also be performed. Store the unit in a dry place over winter, re-install in spring when the temperature rises above 50° F. On multi-lamp units of 120 watt and larger, a drain plug is located on the bottom corner of the unit. To drain, simply unscrew plug and allow water to exit. Please note, teflon tape must be used to reseal the plug before next use.



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# WARRANTY

## CURRENT USA, INC. ONE-YEAR LIMITED WARRANTY

Current USA, Inc. warrants this product against defects in materials and workmanship for a period for ONE (1) YEAR from the date of original retail purchase. Light Bulbs carry a 3 month warranty.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: Improper installation, saltwater corrosion, and electrical surges.

If you discover a defect, Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. It is required that you present this warranty card and a copy of the bill of sale as proof of original purchase date, in the event the product needs repairs, within the warranty period. Please see your dealer for return options. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc. products. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

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