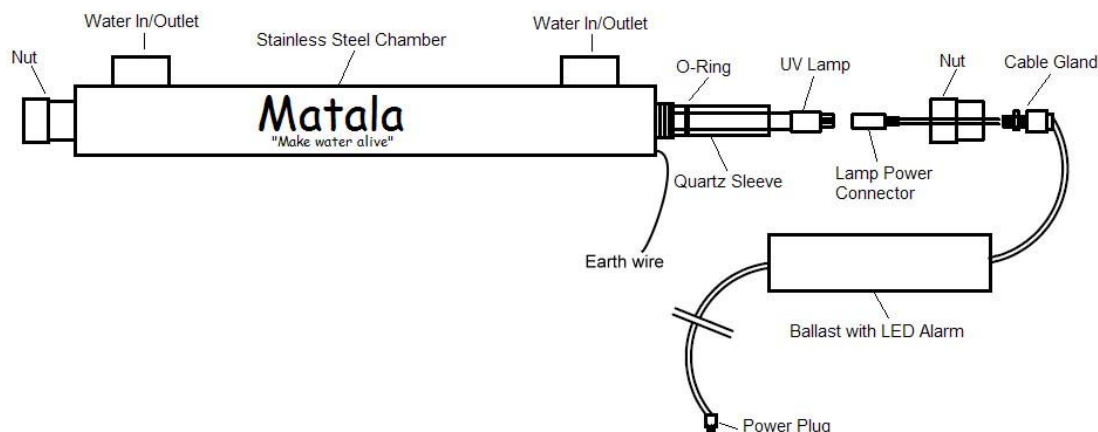


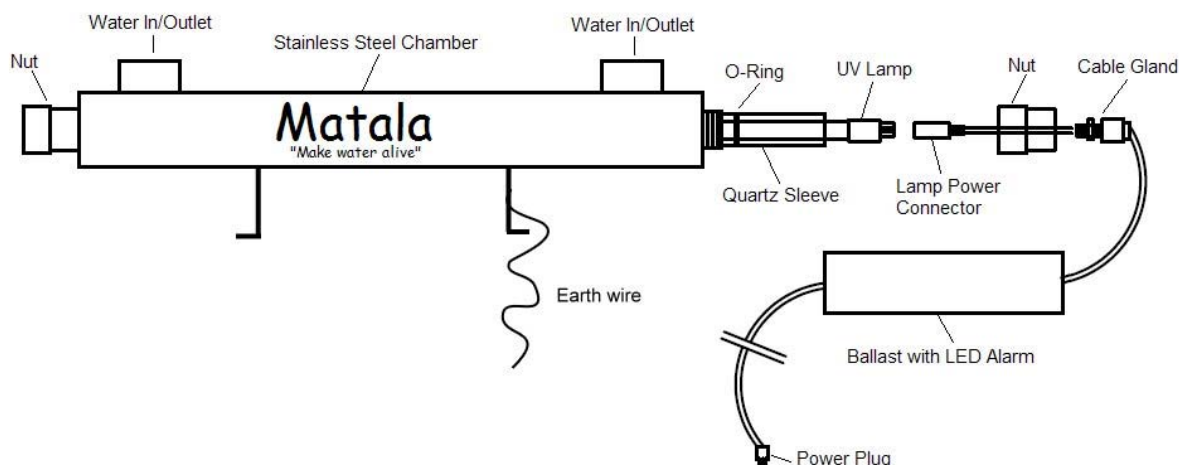
SPECTRUM UV SYSTEM ASSEMBLY AND MAINTENANCE INSTRUCTION

READ THIS MANUAL CAREFULLY BEFORE INSTALL AND KEEP IT FOR LATER REFERENCE.

Suitable model : SS-L11W, SS-L16W, SS-L25W, SS-L40WT, SS-L75(HO)WT



Suitable model : SS-L40W, SS-L75W, SS-L80W, SS-L160W, SS-L300W



- NOTES :**
1. prior to performing any work on the sterilizer, always disconnect the power supply first.
 2. Don't watch the ultraviolet rays emitting out of the UV lamp as they will cause serious burn for unprotected eyes.
 3. this unit is not recommended for saltwater aquarium use, where salinity is above 0.5%."

ASSEMBLY AND INSTALLATION :

1. It is suggested to install the Matala UV System at the end of the filter and it could be set up horizontally (inlet/outlet upside) or vertically (UV lamp power connection should be located upper side). For vertical installation, please use the lower in/outlet as water in and upper in/outlet as water out to reduce water speed for better sterilizing function.
2. Plug UV lamp into 4-pin UV lamp power connector. Be sure plugged completely.
3. Carefully slide the UV lamp into the Stainless Steel Chamber through the hole on the nut. **(Do not touch the lamp surface as spots or fingerprints may impair the UV transmission. If contact does occur, clean lamp with alcohol.)**
4. Screw the Cable Gland on the nut to complete the assembly.
5. Make sure the earth protection on the UV housing has been connected properly.
6. Connect the water inlet and water outlet to the influent water source and effluent pipes.
7. Check all joints are connected properly for water tight test.
8. Plug the Ballast into the electrical power source. Make sure the LED lamp is illuminated steadily.
P.S. For primary use, wait 3~5 minutes to allow the unit priming for work properly.

OPERATION AND MAINTENANCE

WATCH OUT!

Be sure to disconnect the power supply before disassembling the UV Disinfection System.

Check up the UV system on schedule to ensure the normal operation of the UV lamp. If the UV lamp is out of order, the LED lamp in the ballast will be off.

IF the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

UV LAMP REPLACEMENT

1. Be sure to replace the UV lamp after consecutive consumption for a year (9000 hrs) in order to ensure a high disinfection rate. Pay attention to keep turning on the UV lamp, since capriciously turning on and off will shorten the service life of the UV lamp.
2. To replace the UV lamp (again!! Be sure the power supply is "OFF") unscrew the cable gland from nut; slowly pull the UV lamp assembly out from the nut hole till far enough to disconnect the 4-pin UV lamp power connector.
3. Pull the UV lamp completed out of the Stainless Steel Chamber. For the 80Watts, 150Wats, 160Wats and 300Wats models you will perform these steps several times for each lamp. Install the new UV lamps by reversing the above steps.

To ensure high sterilizing rate with best water quality, please check quartz sleeve regularly (about every 3 months depend on water source quality). To see whether there are substances gathered, it will help you to judge and know how long it should be cleaned next time.

QUARTZ SLEEVE CLEANING

1. Turn off the power supply and stop the influent water.
2. Discharge the resident water in the UVC system.
3. Remove the UV lamp (to remove and install the UV lamp, follow the UV lamp replacement steps, except reinstall the UV lamp with current usage of lamp).
4. Unscrew the nuts from both side of the Stainless Steel Chamber.
5. Carefully remove the seal O-ring on both side of quartz sleeve. For proper sealing function, we recommend to replace the seal O-ring yearly.
6. Slowly pull out the Quartz sleeve from the Stainless Steel Chamber. **(DO NOT LET THE QUARTZ SLEEVE DROP INTO STAINLESS STEEL HOUSING, THIS COULD CAUSE BREAKAGE.** To avoid the quartz sleeve fall into the Stainless Steel Chamber, while starting to pull the quartz sleeve, use your finger or pen to gently hold the other side of the quartz sleeve to help gently put this side of the quartz gently on the inner wall of the stainless steel housing before further pulling.
7. Soak a piece of cloth in vinegar or citric to clean the quartz sleeve.
8. Slide the quartz sleeve back into the Stainless Steel Chamber and make equal distance at both sides in the chamber.
9. Dampen the seal O-ring at the two sides of the quartz sleeve.
10. Screw nuts back to the Stainless Steel Chamber.
11. Install the UV lamp back to the system.

WARRANTY

MATALA WATER TECHNOLOGY CO., LTD. Warrants to the original purchaser of its Ultraviolet Disinfection Systems to be free from defects in workmanship or materials for a period of 12 months from the date of purchase on the power supply. The UV lamp and the Quartz Sleeve are not warranted against breakage due to them being made of glass. Provided that the equipment is installed in accordance with the factory instructions. Operated within the environment and limitations for which it was designed Should any of the integral parts of the unit become defective within their time constraints from the date of purchase, they will be repaired or replaced, if proven defective in workmanship or material in the opinion of manufacture, also not including damage by freezing or reuse the O-ring seals that are more than 12 months old.

Any cost incurred for the labor of removing the unit shall be the responsibility of the original purchaser, as will be all shipping charges to and from Matala Water Technology Co., Ltd. Damage or failure of the UV System covered by this warranty, which results from causes, directly or indirectly, connected with the installation, operation, environment, use or willful abuse, including, without limitation, improper packaging and damage incurred during shipping is not covered by this warranty. Otherwise, any implied warranties, which accompany the sale of the goods, are limited to their respective time constraints from the date of purchase. The manufacture will only be responsible for the repair or replacement of any of its products or parts thereof that are found to be defective and will not bear the cost of any incidental or consequential damages arising out of the occurrence of such a defect.

Anything not covered under warranty will go under a section called Limitations:

- Warranty does not cover malfunction from improper installation.
- Warranty is void if system is not plugged into GFCI.
- **Warranty does not apply to cosmetic appearance such as rust, scratches, dents or fading of color.**
- Warranty does not cover the Quartz Sleeve.
- Warranty does not cover lamps.
- Warranty only applies to original end user and is not transferable.
- Warranty does not cover repairs done by any agency not authorized by Matala Water Technology.
- Warranty denies liability for any other loss including but not limited to personal injury, livestock, equipment, property or income.

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