



SP-UV SERIES

MULTI | SUBMERSIBLE
STAGE | UV FILTER



OWNER'S MANUAL

INTRODUCTION

MODELS: SP5-UV, SP7-UV, SP9-UV, SP13-UV

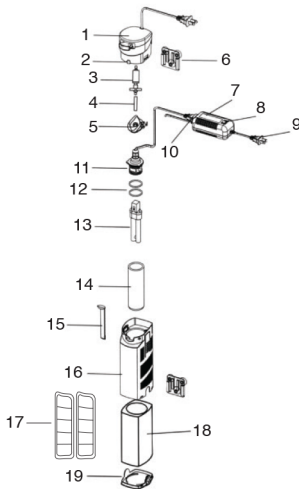
Thank you for choosing Aquatop's SP-UV Series of submersible UV sterilizing filters. This innovative and flexible design is perfect to help you eliminate unsightly algae and control unwanted algae blooms. The UV bulb aids in the health of aquatic life by eradicating free floating microorganisms and disease causing pathogens in both salt and freshwater aquariums.

The SP-UV Filter uses a submersible top-mounted pump to draw water past its high output and compact UV bulb. The UV bulb is encapsulated in a unique quartz sleeve and each model of SP-UV includes a pre-filter to mechanically filter organic waste before water passes over the UV bulb.

The versatile design of the SP-UV Series Filter allows for UV Sterilization to be submersed in both fresh and saltwater aquariums. With its flexibility, the SP-UV Series can be placed anywhere in an aquarium, sump tank, or water garden. The design allows for easy installation and maintenance.

Please reference this manual for any questions and/or instructions for use. May Aquatop's SP-UV Series of submersible UV sterilizing filters serve you and your aquatic creatures well.

PARTS LIST



- | | |
|-----------------------------|--------------------------|
| 1. Top Mounted Pump | 11. Bulb Receiving Base |
| 2. Flow Adjustment Valve | 12. O-rings |
| 3. Impeller | 13. UV Bulb |
| 4. Ceramic Shaft | 14. Quartz Sleeve |
| 5. Impeller Cover | 15. Bulb Indicator |
| 6. Suction Cup Mount | 16. Filter Housing |
| 7. Ballast | *17. Filter Cartridges |
| 8. Power Switch | *18. Pre Filter Sponge |
| 9. Power Cable | 19. Filter Housing Cover |
| 10. Power Source Connection | |

*Model Specific Parts (SP9-UV, SP13-UV use part 17.)
(SP5-UV, SP7-UV use part 18.)

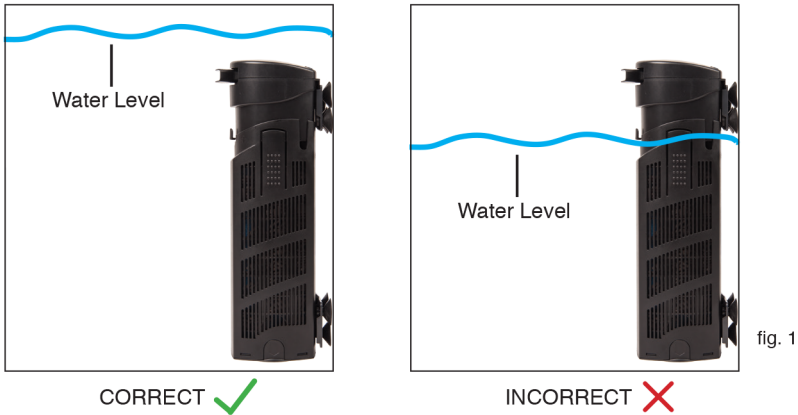
WARNINGS & SAFETY

READ ALL SAFETY INSTRUCTIONS BEFORE USE.

- A GFCI (Ground Fault Circuit Interrupter) should be used in the branch circuit supplying all power to water pumps and electrical aquarium equipment. If you do not have a GFCI, we strongly recommend having a qualified Electrician install one prior to operating any aquarium components.
- Before using, please check whether there are any signs of damage to the appliance, the UV quartz tube or UV bulb. If there are any, please return the product to the original place of purchase.
- Do not disassemble the UV bulb when the appliance is plugged in.
- Do not stare at the UV bulb directly when it is on and working. UV light exposure can cause serious injury to your eyes and/or eyesight.
- Unplug or cut off power to the appliance when assembling, cleaning or disassembling the appliance.
- Keep the appliance away from children
- Keep the appliance fully submersed when on
- Always use this appliance for its intended use only.

INSTALLATION

NOTE: The top-mounted pump needs to be fully submerged underwater to provide maximum effectiveness and life of the product. See Fig. 1



MAINTENANCE

NOTE: Please unplug or cut off power to the appliance when assembling, cleaning or disassembling the appliance.

- A. Separate the top-mounted pump housing from the filter body as shown in Fig. 2.
- B. Remove the impeller cover and take out impeller as shown in Fig. 3. Clean it of debris.
- C. Remove the filter housing cover and take out the pre-filter sponge or cartridge (depending on model) as shown in Fig. 4. Rinse clean of debris or replace with a new one.
- D. Remove the UV bulb and quartz sleeve as shown in Fig. 5. Clean the quartz sleeve of debris, excess mineral and heavy metal deposits.

NOTE:

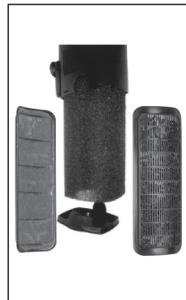
- The UV quartz tube and bulb interface in Fig. 5 may be a tight fit. If you are having trouble removing the quartz tube, use a cloth or towel to generate more grip while twisting. Take care in identifying where it says open and close, it is a left hand thread (Counter-clockwise = tighten, Clockwise = loosen).
- The UV bulb socket is a tight fit. Take care in removing the bulb by firmly gripping the white base and NOT the silver casing near the base. Failure to do so may result in the UV bulb being pulled apart from the base.
- The UV bulb should be replaced every 6-9 months for peak performance. If you notice diminishing water quality, it may be time to replace the UV bulb.



fig. 2



fig. 3



*fig. 4

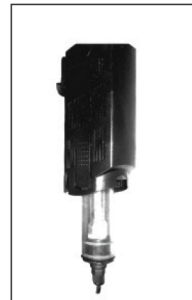


fig. 5

SPECIFICATIONS

Model	SP5-UV	SP7-UV	SP9-UV	SP13-UV
Capacity	Up to 40 Gal.	Up to 75 Gal.	Up to 100 Gal.	Up to 125 Gal.
Adj. Flow Rate	70-126 GPH	70-126 GPH	90-264 GPH	132-395 GPH
Dimensions	3" x 2.5" x 9"	3" x 2.5" x 10"	3.5" x 3" x 12.5"	3.5" x 3" x 13"
Volt / Freq	110-120/60Hz	110-120/60Hz	110-120/60Hz	110-120/60Hz
UV Bulb	5 Watt	7 Watt	9 Watt	13 Watt
Pump	7 Watt	7 Watt	15 Watt	27 Watt

TROUBLE SHOOTING

Problem	Solution
Slow or inhibited water flow	Clean filter sponge or cartridges thoroughly. Check area where filter sponge/cartridge is inserted for debris
	Make sure that the top-mounted submersible pump is completely submerged in water.
	Remove Impeller (See Fig. 3), clean thoroughly & check for debris or damage to the impeller magnet/blades. Replace impeller if any damage is found. Also check the impeller cover for debris.
UV System is not working	Make sure switch on power supply is set to the (-) ON position and connection from power-supply to UV light is secure and free of moisture.
	Unplug unit and check quartz tube and UV bulb for any damage or internal moisture.
	Check UV bulb for broken filaments.
	If UV bulb or filaments are broken, replace the UV bulb.
Moisture in UV quartz tube	Make sure that the quartz tube and o-ring are seated properly.
	Check the quartz tube for any damage or cracks in glass
	Lubricate the o-ring with a silicone-based aquarium grade lubricant.
	Replace quartz tube and o-ring

WARRANTY INFORMATION

AQUATOP 180 DAY LIMITED WARRANTY

Products are under warranty by Aquatop aquatic supplies to the original purchaser against defective material and workmanship under normal use for a period of 180 days from the date of the original purchase. Products have no warranty if:

- 1.) The product has been serviced, modified or tampered with by anyone other than Aquatop aquatic supplies, 2.) The product has been abused or damaged (Including broken or cracked bulbs), and/or 3.) The product has been transported without proper packaging.

For more information on tank maintenance and health, as well as other products available from Aquatop, visit www.aquatop.com.

