



SP NANO

MULTI | SUBMERSIBLE
STAGE | UV FILTER



OWNER'S MANUAL

INTRODUCTION

Thank you for choosing Aquatop's SPNANO-UV submersible UV sterilizing filter. 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 SPNANO-UV Filter uses a submersible top-mounted pump to draw water past its compact UV bulb. The UV bulb is encapsulated in a unique quartz tube and includes a sponge pre-filter to mechanically filter organic waste before water passes over the UV bulb.

The versatile design of the SPNANO-UV Series Filter allows for UV Sterilization to be submersed in both fresh and saltwater nano aquariums. With its compact size, the SPNANO-UV can be easily mounted vertically or horizontally in smaller aquariums or sumps tanks. The design allows for easy installation and maintenance. Please reference this manual for any questions and/or instructions for use. May Aquatop's SPNANO-UV submersible UV sterilizing filter serve you and your aquatic creatures well.

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 unit can be mounted vertically or horizontal with the supplied extension tube as shown. See Fig. 1

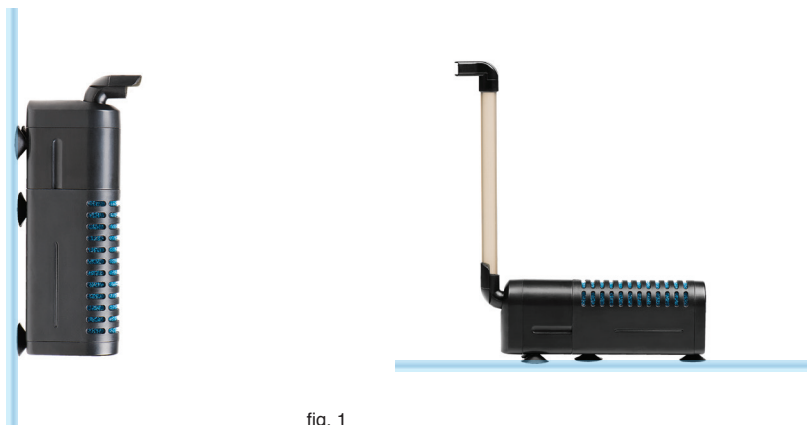


fig. 1

INSTALLATION

NOTE: The top-mounted pump needs to be fully submerged underwater to provide maximum effectiveness and life of the product. See Fig. 2

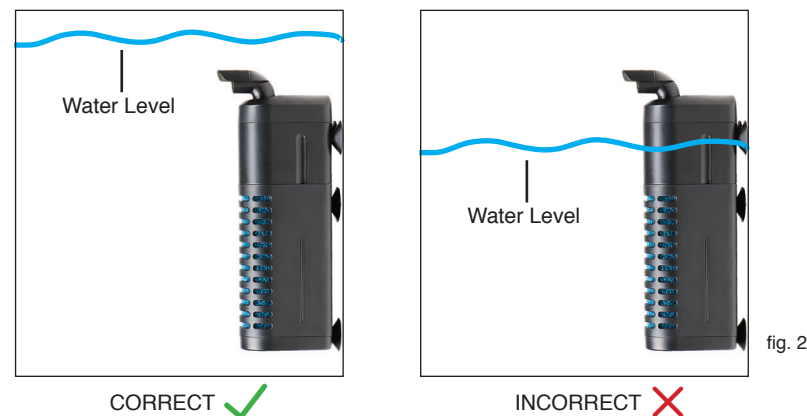


fig. 2

After mounting and checking the water level power up the unit by plugging in both power cords into an appropriate AC outlet or power strip.

MAINTENANCE

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

- Separate the top-mounted pump housing from the filter body as shown in Fig. 3
- Remove the pre-filter sponge and rinse clean of debris.
- Remove the UV sterilizing tube assembly as shown in Fig. 5 Clean the UV sterilizing tube of debris, excess mineral and heavy metal deposits.
- 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.

NOTE: The SPNANO-UV uses a proprietary 5 Watt UV Bulb which includes a quartz tube housing and power cord adapter (Part #SPNANO-R5WUV). Please contact your local retailer or visit www.aquatop.com for more information.

NOTE: For Aquariums larger than 30 gallons, check out our other models in the SP-UV Series.



fig. 3



fig. 4



fig. 5



SPECIFICATIONS

Model	SPANANO-UV	SP5-UV	SP7-UV	SP9-UV	SP13-UV
Capacity	10 to 30 Gal.	Up to 40 Gal.	Up to 75 Gal.	Up to 100 Gal.	Up to 125 Gal.
Adj. Flow Rate	66 GPH	70-126 GPH	70-126 GPH	90-264 GPH	132-395 GPH
Dimensions	2.25" x 1.5" x 7.25" Outlet Extension 7" x 0.5" x .05"	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	110v-120v/60hz	110-120/60Hz	110-120/60Hz	110-120/60Hz	110-120/60Hz
UV Bulb	5 Watt	5 Watt	7 Watt	9 Watt	13 Watt
Pump	5.5 Watt	7 Watt	7 Watt	15 Watt	27 Watt

TROUBLE SHOOTING

Problem	Solution
Slow or inhibited water flow	Clean filter sponge or cartridges (depending on model) thoroughly. Check area where filter sponge/cartridge is inserted for debris
	Make sure that the top-mounted submersible pump is completely submerged in water.
UV System is not working	Check the connection between the UV ballast and the power supply.
	Make sure that the unit is plugged in
	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.
	If UV bulb is notably discolored, replace the UV bulb.
Moisture in UV quartz tube	Check the quartz tube for any damage or cracks in glass
	Replace the UV sterilizing tube assembly

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.

