

UV Lights

A UV Water Clarifier can rid your pond of free-flowing algae (green water) AND keep it clear.

How does it work? A UV clarifier kills algae cells by bombarding them with UV rays, which disrupt their internal structure. This causes algae to clump together, and the clumps are trapped/ broken down by the filter. A UV clarifier will not interfere with the beneficial bacteria living on your pond filter media.

What Size Does Your Pond Need?

Classic UV Units	Size for Fresh Water Sterilizer	Size for Fresh Water Clarifying	Max Flow GPH
8 Watts	5 - 200	1,500	1,000
12 Watts	200 - 500	2,000	1,800
25 Watts	500 - 1,200	4,000	2,000
40 Watts	1,200 - 2,000	6,000	3,000
57 watts	1,500 - 3,000	6,500	3,250
80 Watts	2,200 - 4,400	9,000	4,500

- Use the clarifier column when the pond is partially in shade and has 50% plant coverage. This will improve water clarity resulting in a natural looking pond.
 - Use the sterilizer column for crystal clear water and bacterial control, in pond and aquarium environments.
 - GPH numbers are based on turning over the volume of water one time every hour to one hour and a half.
- The rate of water as it flows through the UV will have a direct impact on how effective the UV is on ridding your pond of algae. If the water is flowing too quickly through the unit the unit may not work effectively.
 - On average, the UV light needs to be replaced once a year.
 - If you have extra fish / high water temperatures / very sunny location, go for a bigger unit than this table suggests.
 - Choose a quartz sleeve over any other type of glass sleeve. Hard quartz glass allows close to 100% of the UV light through, while other glass substances will block some of the UV light.

A UV is not effective against string algae because this type of algae attaches to the sides of the pond and rocks in the waterfall and does not pass through the light.