

STATUE INNOVATIONS

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PONDMASTER®

UV-C Ultra Violet Clarifiers



MODEL	CAPACITY (Litres)	MAX. PUMP SIZE (LPH)
5W	3,000L	4,500 LPH
9W	5,000L	7,500 LPH
11W	7,000L	10,000 LPH
18W	12,000L	18,000 LPH
36W	24,000L	36,000 LPH

WHICH UV BEST SUITS MY POND?

These are just guidelines and a larger or multiple UV's may have to be used depending on the biological load, type of filtration, location of the aquatic environment, amount of direct sunlight and or climate. Always consult our local Pondmaster dealer for the correct size ultra violet steriliser for your aquatic application (see table, left).

Ultra Violet Clarifiers

The Pondmaster UV-C steriliser features a hard glass PL-bulb. The steriliser uses a quartz sleeve that maintains the bulb temperature, thus allowing up to 95% of the UV radiation to sterilise the water. Producing more UV radiation than comparable UV units, the internal burning chamber is designed for maximum contact time. As the water is redirected by the baffles in the internal burning chamber a vortex will occur. The increased contact time exposes virtually all organic, single celled algae and eradicates most harmful microorganisms to maximum UV radiation exposure.

Why You Need Filtration

A biological filter is the most common way of keeping a fish pond clean and healthy for your fish. Ponds without filters are usually green and not pleasing to the eye. It is possible to create a clear pond with the use of water plants which add oxygen to the water, however most pond owners find this system unsuccessful and have problems with plants removing oxygen from the water during night time hours. A biological filter is the way to solve the green water problem.

The principal behind biological filtration is very simple. A pond naturally creates a bacterial growth as it establishes its eco system. This bacteria is the principal destroyer of algae. By fitting a biological filter of the correct size to your pond you are supplying the bacteria with a home in which it can develop, grow and go about its job of clearing algae growth. Under normal circumstances it will take 4-6 weeks for the bacteria to colonise in the filter and begin the cleaning process. The addition of PondMate or Soil Bio Booster will reduce this delay. Addition of the same bacteria at regular intervals will also enhance water clarity. The size of the required filter is determined by the size of your pond and the number and type of fish in the pond. In general, the larger the pond the larger the filter required. The higher number of fish the larger the filter. The surface area of the filter media will also determine the physical size of the filter box required.

It is essential to realise that the flow of water through the filter must be kept constant so you **must** run your pond pump continually. If the water flow stops for too long the bacteria growing in the filter die and the process must then start over. (Hint: check the running cost of your pump.) Most PondMate and Mebner pumps are rated for continual running and are not expensive to run. As a rough guide each watt of motor power will cost about \$1.00 per annum if operated continually.

Cleaning of your filter will be required from time to time depending on a number of factors (sunlight, type of fish, number of fish etc.). When cleaning it is essential that you **do not use tap water**. The chemicals which are added to drinking water for our protection will harm or kill the beneficial bacteria in your filter. For this reason it is best to take a bucket of water from the pond and gently wash the filter media. Discard this water into your garden.

When topping up your pond it is best to add a little tap water at a time (say 10% of pond volume) rather than a lot at once. Again the chemicals in the water may harm bacteria. If you find it necessary to use chemical additives in your pond, check if they will be harmful to bacteria.

If you want very clear water and little maintenance, it may be worth looking at an ultra-violet clarifier, particularly if you intend to keep Koi.






Specifications for The Claritec Filter




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Specifications for Claritec Filters With UVC

VOLTAGE: AC 220V-240/50Hz

Model	Dimensions and Capacity			Maximum Pond Sizes Suggested in litres			UVC	Fittings in and out	Cable Length	Max Flow Litres / hour
	Height cm	Dia cm	Volume Litres							
3000UV	35	39	15.5L	3000	1500	750	6 watt	1 1/4" - 1.5"	10m	3000 L/hr
5000UV	46	39	21.5L	5000	2500	1250	9 watt	(32 - 40mm)	10m	5000 L/hr

Specifications for Claritec Filters Without UVC

Model	Dimensions and Capacity			Maximum Pond Sizes Suggested in litres			UVC	Fittings in and out	Cable length	Max Flow Litres / hour
	Height cm	Dia cm	Volume Litres							
3000	35	39	15.5L	3000	1500	750	-	1 1/4" - 1.5"	N/A	3000 L/hr
5000	46	39	21.5L	5000	2500	1250	-	(32 - 40mm)	N/A	5000 L/hr

Key



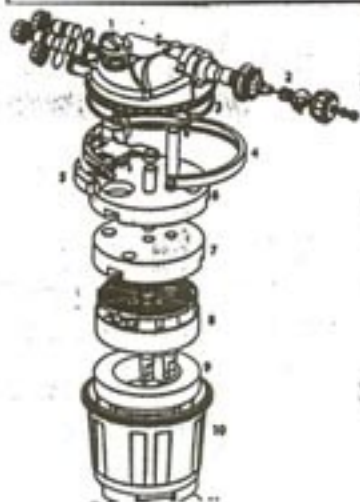
Ornamental pond with plants and few fish and less than average exposure to sun - no more than 6 hours a day full sunlight exposure



Typical pond with plants and average fish contents and average sun exposure



Heavily stocked pond with plants and larger fish or greater than average sun exposure



1. Cleaning Controller
2. UV Clarifier
3. O-ring
4. Clamping Ring
5. Clamp Lock
6. Fine Filter Pad
7. Medium Filter Pad
8. Super Bio Chamber
9. Course Filter Pad
10. Canister
11. Opening Assist Foot Plate

