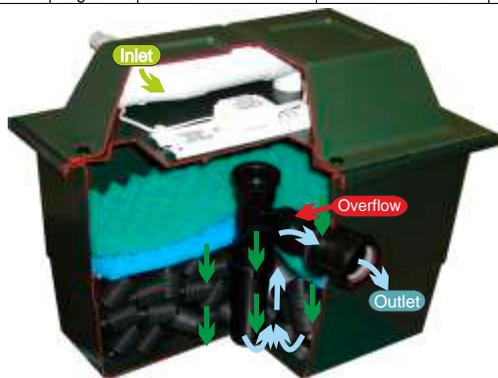


## Replacement Parts

Your filter has been designed using tried and tested media. For optimum performance we recommend that you use only **Genuine Lotus Replacement Media.** (Ask your retailer).

- 1). **The Foam Set** should be replaced yearly (ideally in February or March before the start of the season).
- 2). **The Flocor™ Media** is hard wearing and will last several years before you need to replace it.
- 3). The UV Tube Should be replaced every year (Around March - April). Clean and check the quartz tube for any sign of damage or deterioration - Replace if necessary. Also Check the UV Housing/Body for any sing of deterioration and again, replace if necessary.

Model Green2Clean	Tank Size	UVC Wattage	Product Code	Quartz Size	Product Code	Foam Set	Product Code	Flocor Media	Product Code	UV Clean Kit Code
3000	4gall	6watt	UVT6	6watt	QS6	Pack 300	FS300	Pack1000	FLCS	MK6
6000	4gall	8watt	UVT8	8watt	QS8	Pack 500	FS500	Pack1000	FLCS	MK8
12000	4gall	16watt	UVT16	8watt	QS8	Pack 500	FS500	Pack1000	FLCS	MK16
18000	12gall	18watt	UVT18	8watt	QS8	Pack1500	FS1500	Pack2000	FLCDIY	MK18
24000	15gall	25watt	UVT25	25watt	QS25	Pack1500	FS1500	Pack2000	FLCDIY	MK25
30000	15gall	25watt	UVT25	25watt	QS25	Pack2000	FS2000	Pack2000	FLCDIY	MK25



### Guarantee

Your Green 2 Clean filter is guaranteed against failure due to defective workmanship or materials for a period of 12 months from the date of purchase. Failure caused by accidental damage, misuse, neglect or used in liquids other than cold water are excluded from this guarantee. If a failure occurs during this period, a purchase receipt must be produced. The unit will be either repaired or replaced at the companies option. The company cannot accept any additional claims for consequential losses. All "ware and tear" items are excluded from this guarantee i.e Filter Media, UV Lamp, Quartz Tubes and O Rings. This guarantee does not affect your statutory rights.

### Disposal of your old product

Your product is designed and manufactured using high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol (Above) is attached to a product it means the product is covered by the European Directive 2002/96/EC Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.



This unit is manufactured in the EEC and conforms to CE Regulations

Lotus Water Garden Products Ltd.  
Fair Oak,  
Eastleigh,  
Hants

### Dealers Stamp:-



# Green 2 Clean Filter Instructions

## Filtration

Whether you are a beginner or experienced water gardener, you will probably have one objective and that is to achieve a clean, clear healthy pond. Ponds can be affected by various factors such as unconsumed fish food, decomposing vegetation and fish excrement. If these pollutants are allowed to accumulate, in time they will become harmful to your fish. The use of a biological filter will remove these toxins (nitrite, ammonia) and provide good quality water with the additional benefit of reducing algae growth.

There are five stages of filtration in every Green 2 Clean Filter.

**Stage 1 Ultra Violet Clarifier (U.V.C)** This is situated within the lid of the filter. As water is pumped through the unit, the algae cells are penetrated by the U.V.C light destroying their ability to multiply and causing them to flocculate (bond together). This process creates larger particles which can then be removed more effectively by the Biological filter. The U.V.C will clear the water within 2 - 4 weeks and additionally the mild sterilizing effect will help to reduce harmful bacteria levels.

**Mechanical:** -Suspended particles are filtered as the water passes through multiple layers of reticulated filter foam.

**Stage 2 Green Foam:** Course Grade

**Stage 3 White Foam:** Medium Grade (Not in Model Green 2 Clean 3000)

**Stage 4 Blue Foam:** Fine Grade

**Stage 5 Biological** - Below the layers of foam, there is a Biological Media called Flocor™. The purpose of this media is to allow beneficial bacteria to grow on it's surface. Once matured the bacteria will breakdown the harmful pond pollutants (Ammonia & Nitrite) converting them into Nitrate... Which is naturally absorbed by pond plants.

## Filter Installation



**This unit is not submersible and must be positioned where it can not Be accidentally knocked into the pond or waterfall.**

- 1). Ensure that all fittings are watertight.
- 2). Site the filter on a firm level base so that the outlet is higher than the water surface of the pond, or above the height of the waterfall, if you choose to have one.
- 3). From the pump in the pond, attach a suitable size and length of hose to the inlet of the filter and secure using a hose clip. (Not provided)
- 4). Your biological filter must be run 24hours a day to maintain the bacteria colony.
- 5). Please allow between 3 to 6 weeks for the biological media to mature.



Your filter may take 3 - 6 weeks to fully mature with beneficial bacteria.

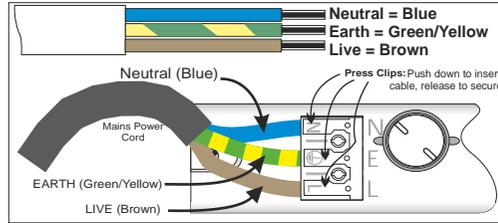
## Electrical Connection



The mains electricity supply **MUST BE DISCONNECTED** before Attempting Installation/maintenance or handling of any kind.

- 1). This unit is designed for permanent installation to the mains.
- 2). The power supply should be earthed and fused at 3amps.
- 3). **Warning: A residue Circuit Device (RCD) Must be fitted to the mains supply.**
- 4). For permanent installation into the mains, it is necessary to comply with the regulations of the Local Electrical Authority.
- 5). Consult a qualified electrician if in doubt about any aspect of electrical wiring.
- 6). The Wires in the cable are colour coded as follows:
 

Brown	- Live
Green/Yellow	- Earth
Blue	- Neutral
- 7). If you need to extend the cable on this unit, you Lotus waterproof (IP68) cable connector. (Ask your retailer).



## U.V Maintenance



The mains electricity supply **MUST BE DISCONNECTED** before Attempting Installation/maintenance or handling of any kind.

- 1). After a period of time the quartz sleeve may become fowled with deposits of algae and lime scale. These should be removed using a suitable non Toxic cleaning agent, taking care not to scratch the Surface of the quartz.
- 2). The UV lamp must be replaced every 12 months or after 8000 hours of use. Although the lamp may still be showing a blue light, it is no longer producing sufficient UV to destroy algae and bacteria.
- 3). For UV maintenance, Lotus UV Service Kit comes complete with Replacement Lamp, 'O' Rings and a Quartz Sleeve Cleaning Cloths (Please ask your retailer). Periodically check the white UV Body, This may need replacing if it is showing signs of deterioration.

### Replacing UV Parts



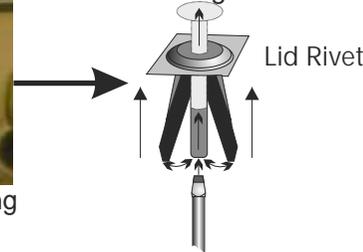
1). Remove Hosetail



2). Loosen cable gland and push some excess cable through.



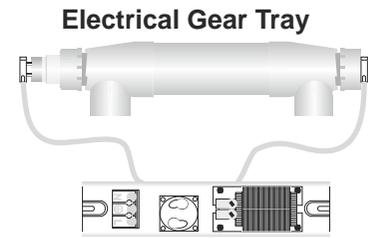
3). Remove Plastic Fixing Rivets.



5). Disconnect lamp holders and remove lamp



6). Unscrew end caps and remove o rings, (We recommend that you replace these annually)



4). Remove Lid



7). Carefully remove quartz sleeve



**WARNING: Never look directly at the U.V bulb when it is switched on. The UV light generated by the bulb can cause damage to eyes and skin. The Unit is supplied With a translucent hosetail which will glow allowing you to see that the U.V is Working.**

## Filter Maintenance

- 1). Your filter is fitted with an overflow system (see diagram). If you see water entering the overflow, it is an indication that the media will require cleaning.
- 2). Remove the foams individually and clean in a container of pond water. The foams contain some beneficial bacteria and it is important that they are not cleaned in tap water.
- 3). Re-fit the foams before they dry and in the same order that they were removed dimpled side uppermost. E.g.
 

Top Layer:	<b>Green Foam:</b>	Course Grade
Middle Layer:	<b>White Foam:</b>	Medium Grade
Bottom Layer:	<b>Blue Foam:</b>	Fine Grade
- 4). The Flocor™ media should not need cleaning, however, if you need to remove accumulated silt within the tank, then the media can be removed and placed into a container of pond water while the tank is cleaned. (This will preserve the beneficial bacteria)



**ATTENTION: - When re-assembling, ensure all fittings are water tight Paying particular attention to the end caps which should be Hand tight and Not over tightened.**