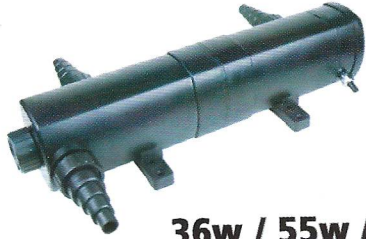

 **pondXpert**

GreenStop Pro



36w / 55w / 72w

1st January 2005 revised Building Regulations for England and Wales
Installing this product in the garden is classified as 'notifiable'.
The Regulations now require you to tell your local authority
building control department that you intend to install this product
before installation. Your local authority will let you know how you can
get your installation approved

The termination to the mains supply should be permanent, inside a
dry weatherproof enclosure, through a double pole switched fused
spur with a minimum contact gap of 3mm – (disconnected) to BS 3676
– and fitted with a 3 or 5 amp fuse. Exposed cable runs should be
sensibly positioned, and protected if necessary by armoured conduit.
A 10mA or 30mA Residual Current Circuit Breaker (RCD)
MUST be fitted to the mains supply.

INTRODUCTION

Before the first time use, please read this instruction and acquaint this equipment. In order to use the equipment safely, the following secure suggestions should be abided.

For the consideration of security, people younger than 16 years old and those who can not identify danger or grasp the instruction can not use this equipment.

CAUTION

1. The UVC filter should placed in somewhere that the water will not submerge it, and it should be 2 meters distance from the edge of the pond to the filter. This equipment can not be used under the water.
2. Before the water circulation, the electrical source of the UVC filter can not be switched on.
3. Please place the UVC in the steady and safe spot. Before the UV light tube is made of quartz glass which is easy to be broken.
4. Before all parts are installed completely, the electrical source can not switch on.
5. If the UV light tube or the body shell looks like broken, the equipment can not be used,
6. When person in the water, the UVC can not be used.
7. Please make sure that the electrical voltage, frequency used are consistent with the indication on the UVC filter.
8. When installing the equipment, the installation regulation of domestic should be followed.
9. Pull the connecting cable is forbidden. And please protect the connecting cable from heat, greasiness or sharpness.
10. Make sure the max pressure of the body shell endured is less than 0.3 bar.
11. When know the frost is coming, please move away UV filter.
12. When install the UV filter, please not let it under the sunlight directly.
13. The dirtiness on the quartz tube will influence the effect of the equipment, please clean the quartz tube in time.
14. In order to ensure the effect of the equipment, the UV light tube should be replaced after 8000 hours' usage.

15. When the body shell is blocked with the sands rubbish, it may destroy the quartz tube. So please add the filter sponge in the inlet of the water pump.
16. UVC is harmful to the eyes and skin. Please do not watch UVC directly or let the skin approach to the UVC.
17. When install or repair this equipment, the electrical source of the aquarium must be switched off.
18. The product must be installed horizontally and with the feet down. Other installation postions are prohibited for safety reason.

INSTRUCTION

1. This equipent can kill the harmful germ and aglae in the aquarium and the pond which offer the heathy environment to the fisheh.
2. When the water under the irradiation of wavelenght in 253.7nm 's ultraviolet radiation in a short period ,the germ and pathogen in the water will be killed then.
3. **The UVC should be connected to your pump.**
4. Please connect the inlet pipe with the outlet of the water pump.
5. Please connect the outlet pipe with the other filter or the pond and fix it .After the inspection of the pipe and the connecting part, the water circulation can be started then.
6. Olease check it when the water started circulation or not after several mintes.
7. **Turning** on the electrical source ,the UV filter begin to work.
8. Flow adjuster should be installed to the outlet which is the nearest one to the inlet. When the flow of the pump is less than 218<2000L/h ,224<2500L/h,236<3000L/h,please close the flow adjuster completely. If the water flow which through the UV irradiation area is larger than above please open the flow adjuster properly to ensure the water flow that through the UV lamp is appropriate.

Replacing the UVC bulb and clean quartz glass.

- A. Unplug the light's power plug.
- B. Switch off the pump and safeguard it from being turned on again unintentionally.
- C. Press the safety engaging lever by, turn the light device head in The direction of the arrow until the tope ,and clean quartz glass.
- D. Then you can clean the quartz glass.
- E. Unserew the clamp screw counter-clockwise and pull off the quartz glass sleeve with the O ring using a light turning movement.
- F. Pull out the UVC bulb and on the replace it. The UVC bulb can be insertd in the setting in any position. The rubber band on the original UVC bulb is for protection during transport and does not need to be placed. Because of the built in safety switch the UVC light only comes the quartz glass, clean and check for damage.
- G. Remove the o ring form the quartz glass, clean and check for damage.
- H. Clean the quartz glass sleeve from the outside with a damp cloth. Check the quartz glass sleeve for damage before putting it back.
- I. Replace the 0-ring on the quartz glass sleeve ang insert the quartz glass sleeve in the device head until the stop . The 0-ring must be pressed into the gap between the device head and quartz Glass. The 0-ring is latter porced into the correct position by the Clamp screw.
- J. Check the 0-ring on the device head for damage and correct seat.
- K. Push the device head carefully into the housing.
- L. Turn the device head in the opposite direction of the arrow using light pressure until the stop.
- M. First place the pump in serrvice again, then plug the light's power plug into the power outlet.

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THE REQUIRED IRRADIATION TIME TO INACTIVATE VARIOUS MICROORGANISMS

name		(S)*	name		(S)*	name		(S)*
Bacteria	Bacillus Anthracis	0.3	Mould Spores	Aspergillus Niger	0.3-6.7	Virus	Bacteriophage	0.2
	Clostridium	0.3		Mucor Mucedo	4.6		Influenza	0.3
	Dysentery bacilli	1.5		Penicillium Roqforti	0.9-3.0		Poliovirus1	0.8
	Escherichia coli	0.4	Algae	Blue-Green Algae	10-40	Hepatitis B Virus	0.8	
	Staphylococcus Albus	1.3		Nematode Eggs	3.4	Fish Diseases	Lenkoderma	2.7
	Micrococcus Candidus	0.4		Green Algae	1.2		Infections pancreatic necrosis	4.0
				Protozoa	4.0-6.7		Epizootic haem atopietic necrosis	1.6

TROUBLE SHOOTING

Troubel shooting	Cause	Remedy
Cloudywater	UVC Lamp dose not light up.	Check electrical connection
	Cleaning quartz glass tube soiled	Cleaning
	Incorrect pump flow rate(unit)	See installation
	Brown suspendedmaterial,deposits at the bottom	Remove alga and leaves,prevent the ingress of dirt
	Pond extremely dirty	Check water valus,change the water
	Lamp has no UVC capacity	Check the lamp,change the lamp afte 8000 h

PART LIST

