pondXpert

SteriClear UVC

40000-36W 60000-55W
80000-72W



Instruction Manual

Thank you for choosing our product.Please read the operating instructions and familiarize yourself with the equipment before placing it in service. Correct and safe use of the system requires strict compliance with the safety instructions. For safety reasons children and young people under 16 years of age, as well as people that cannot recognize potential hazards, or people that are not familiar with these instructions, may not use this device.

CAUTION

1.The UVC filter should placed on somewhere that the water will not submerge it,and it should be 2 meters distance from the edge of the pond.This equipment can not be used under the water.

2.Before all parts are installed completely,the electrical source can not be switched on.

3.Please place the UVC in the steady and safe spot,because the UV light tube is made of quartz glass which is easy to be broken.

4.If the UV light tube or the body shell is broken,the equipment can not be used.

5.When any person in the water,the UVC can not be used.

6.Please make sure that the electrical voltage,frequency used are consistent with the indication on the escutcheon.

7.Electrical installations on garden ponds must correspond to the international and national installation directives.

8.Pull the connecting cable is forbidden,and please protect the connecting cable from heat,greasiness or sharpness.

9.Make sure the max pressure of the body shell ensured is less than 1.0bar.

10.When know the frost is coming,please move away UV filter.

11.When install the UV filter,please not let it under the sunlight directly.

12.The dirtiness on the quartz tube will influence the effect of the equipment,please clean the quartz tube in time.

13.In order to ensure the effect of the equipment,the UV light tube should be replaced after 8000 hours' usage

14.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.

15.UVC is harmful to the eyes and skin.Please do not watch UVC directly or let the skin approach to UVC.

16.When install or repair this equipment,the electrical source must be switched off.

The equipment should not be used under the following conditions:

–Never use the equipment to convey fluids other than water.

–Never run the equipment without water.

–Do not use in conjunction with chemicals,foodstuff,easily flammable or explosive substances.

FEATURES

1. Adopt the stainless steel lamp shell, prolong the service life, refract without absorption, and sterilize more fully.
2. The patented spiral guiding design for water inlet has more obvious bacteriostatic effect.
3. Separate design of lamp head and sterilization chamber, thickened protective cover at both ends, multi–stage sealing.
4. Effectively prevent algae from propagating and breeding, keep the water quality clear and ensure the cleanness of the fish pond.

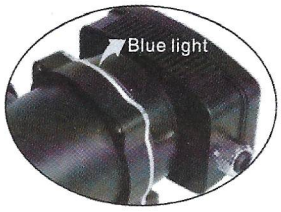


The wires in the mains electrical lead are coloured in accordance with the following code:
BLUE – Neutral (marked with an "N" in most terminal connections)
BROWN – LIVE (marked with an "L" in most terminal connections)
GREEN/YELLOW – EARTH (marked "E" or earth symbol in most terminal connections)

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.
Permanent installations to the mains supply (hard wiring) must comply with the regulations of the local electricity authority which may stipulate the use of metal or plastic conduit to protect the cable.
If in any doubt about wiring to the mains supply contact a qualified electrician or your local electricity authority.
Protect from frost. In cold winter weather (when fish are inactive and algae growth ceases) the pump may be switched off. It should then be drained of water, removed (if possible) from its installation and stored in a dry, frost-protected area.

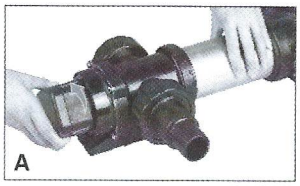
1.When the water go through the pump and the device, this equipment emit 253.7 nm ultraviolet ray,after a short irradiation,most of the bacteria and algae is killed, provide a healthy environment for the fish.
2.This device does not provide water pump,please buy water pump.
3.Please connect the inlet pipe with the outlet of the water pump.
4.Please connect the outlet pipe with other filter or the pond.
5.Please check it whether the water started circulation or not after several minutes,and check the sealing condition of connectors.
6.Turn on electrical source,the UV filter begin to work.

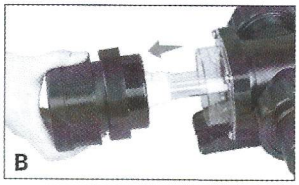


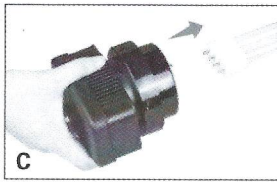
Blue light indicates unit ok

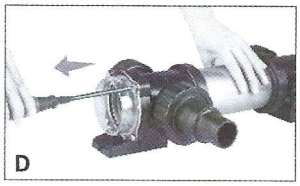
★ **Important: connect the water pump first,and then connect the UV device.Do not run the device without water.This device will be automatically turned on after the power on.**

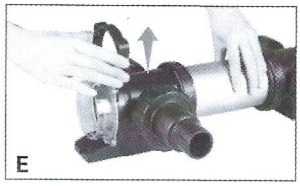
CLEAN,MAINTAIN AND CHANGE

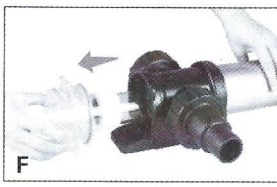


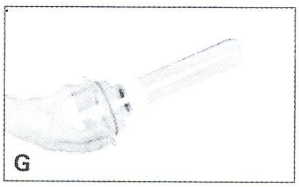












★ **Important: In order to guarantee the best filtering performance,replace the uv lamp after working 8000 hours.**

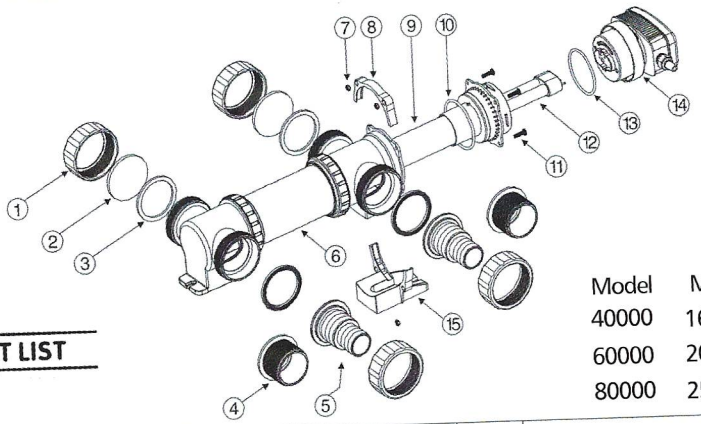
–Turn the head according to the direction of arrow.(Pic A)
–Take out the head according to the direction of arrow.(Pic B)
–Take out the UV lamp according to the direction of arrow,then replace it.(Only allowed to use the same tube) thoroughly clean the casing's inside and outside.(Pic C)
–Use the screwdriver unscrew 4 screws.(Pic D)
–Take out the upper bracket according to the direction of arrow.(Pic E)
–Take out the quartz glass tube according to the direction of arrow.(Pic F)
–Using a wet cloth clean the quartz glass tube from the outside, and inspect for damage.(Suggest using vinegar to clean the quartz glass tube if there is much incrustation) (Pic G)

TROUBLE SHOOTING

malfunction	cause	remedy
The unit performance is not satisfactory	water extremely soiled	remove algae and leaves from the pond, perform a partial water change
	quartz glass tube soiled	clean the quartz glass
	UVC lamp capacity exhausted	replace the lamp after approx.8000 operating hours
UVC lamp does not light up	plug not connected	connect plug
	UVC lamp defective	replacing the UVC lamp
	connection defective	check electrical connection
	UVC overheated	UVC automatically switches on when cooled down

PARAMETER

MODEL	UV-C POWER (W)	Capacity (L)	Max pressure (bar)	Optimal Flow Rate	Inlet&Outlet adapter	Cable length (m)	Length (mm)
40000	36	40000	1.0	7000	$1\frac{1}{2}$"~2" G2"	5	545
60000	55	60000	1.0	8000	$1\frac{1}{2}$"~2" G2"	5	684
80000	72	80000	1.0	8000	$1\frac{1}{2}$"~2" G2"	5	1030



Model	Max Flow
40000	16000 LPH
60000	20000 LPH
80000	25000 LPH

PART LIST

1	Fixing-Nut	6	Stainless steel shell	11	M5 Screw
2	Indicator glass	7	M5 Nut	12	UV lamp
3	Gasket	8	Upper bracket	13	O-ring 2
4	Outlet 1	9	Quartz glass part	14	UVC device head
5	Outlet 2	10	O-ring 1	15	Base

Limited Warranty

This product is guaranteed for a period of 36 months from the date of purchase for material or manufacturing defects. The guarantee covers the substitution of defective parts. However, the guarantee is considered null and void in the case of improper use, improper handling or negligence on the part of the buyer. If your pondXpert pump fails please take it back to the retail outlet from where it was purchased. You will be required to take your receipt/proof of purchase with you. This does not affect your statutory rights.

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Your appliance contains valuable materials which can be recovered or recycled. Leave it at a local civic waste collection point.

UK CA

CE

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