

## PROLEGOMENA

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. Because 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 any 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 scutcheon of 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 ensured 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 positions are prohibited for safety reason.

## INSTRUCTION

1. This equipment can kill the harmful germ and algae in the aquarium and the pond which offer the healthy environment to the fishes.
2. When the water under the irradiation of wavelength in 253.7nm's ultraviolet radiation in a short period, the germ and pathogen in the water will be killed then.
3. This equipment is not sell with the pump, please buy it yourself.
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. Please check it when the water started circulation or not after several minutes.
7. Turning on the electrical source, the UV filter begin to work.
8. The detailed sketch map of usage can be found in the packing box.
9. CUV-218/224/236 series are equipped with flow adjuster, which should be installed to the outlet. Please install the flow adjuster to the nearest outlet, and closed all, if the flow of pump is less than 2000L/H, CUV-218; 2500L/H, CUV-224; 3000L/H, CUV-236. If the water flow is larger than above, please adjust according to the actual conditions. Ensure the flow through the effective irradiation area is less than the H-MAX

showed on the parameter list.  
10. Other model of these device don't have flow adjuster. Please make sure the flow through the effective irradiation area is less than the H-MAX showed on the parameter list.

## Replacing the UVC lamp clean quartz glass.

- A. Unplug the light's power plug.
- B. Turn off the power of pump and make sure it will not turned on again by any other situation.
- C. Please use coin or other tool to push safe key of CUV-218/224/236, for CUV-207/209\*211, please open the safe button.
- D. Then you can replace the UV lamp of CUV-207/209/211 and clean the quartz glass of CUV-218/224/236.
- E. For CUV-218/224/236, Unscrew the nut on the quartz glass, pull out the quartz glass, then you can change the UV lamp.
- F. For CUV-207/209/211, use key or other tool to pull the interspaces between the glass and shell, then they will be departed, and you can do the cleaning.
- G. We advise to clean the quartz glass with a damp cloth.
- H. When replacing the tube, make sure there is no water in it, it is better to use a dry cloth to hold the tube.
- I. When replacing the new tube, please remove the fixed nip and make it bad, then change for a new one also.
- J. Please make sure all seal parts are clean and all into correct position especially the o-ring.
- K. When replacing the quartz glass, make sure it don't have any broken.
- L. After assembly, first turn on the power source of the pump, then plugging this equipment.