

IMPORTANT WARNINGS AND SAFEGUARDS

To guard against injury, basic safety precautions should be observed including, but not limited to the following;

- Do not look at an unshielded UV globe. Ultra Violet light is harmful to your eyes and may cause blindness.
- Always use a properly grounded power supply that is connected to an RCD with a rated residual operating current not exceeding 30mA. As per AS/NZS 3350.2.41:1997.
- Always unplug the UV-Clarifier from the power supply when not in use or before performing any maintenance on the pump.
- Never pull the cord to disconnect the plug from the power supply. Grasp the plug and pull to disconnect.
- Do not install or store the UV-Clarifier where it will be exposed to extreme hot or cold temperatures.
- Keep out of reach of children or pets. This appliance should not be used by children or infirm persons without supervision.
- Do not cut the cord as this will result in voiding your warranty.
- Care should be taken to arrange the power cord so that it cannot be accidentally tripped over or pulled.
- Do not attempt to repair the UV-Clarifier yourself. Return to an authorized service centre or place of purchase if a fault occurs (regular maintenance is not considered repair and is required by user).

WARRANTY AGAINST DEFECTS

This product comes with a warranty against defects (Warranty). The benefits provided in this Warranty are in addition to other rights and remedies available to you under the Australia Consumer Law. The Warranty is provided to the original purchaser of the product on the following terms:

- The Warranty is given by Chemkay Pty Ltd trading as Aquatec Equipment: Po Box 2087, Seville Grove, WA 6112; contactable by phone (1300 552 202) or email (info@aquatecequipment.com).
- To make a claim under the Warranty you must return the faulty product to the place of purchase with a valid receipt or proof of purchase.
- A Warranty claim must be made within 2 years of the date of purchase.

- If your claim complies with the above terms and the product is not an Exhaustible Item and no Voiding Events have occurred, we will (at our sole discretion):
 - repair the product, if possible; or
 - provide a replacement product; or
 - if a replacement product is not available, provide a refund for the purchase price paid.

- You will bear the cost associated with claiming under the Warranty such as the cost of transportation and delivery of the product to and from the place of purchase.
- The product contains a UVC globe and O rings. These items are exhaustible (Exhaustible Items) and are not covered under the Warranty.
- The Warranty will be void if any of the following events occur, as determined by us, at our sole discretion (Voiding Events):

- any tampering/removal of warranty identification labels or electrical components is evident;
- the defect has arisen due to: an accident, incorrect or inadequate installation, misuse or abuse of the product (including improper maintenance and service), excessive wear and tear, not following manufacturer's guidelines/instructions, or the product has been used in a manner contrary to the purpose or suitability of the product;
- the product has been modified without our authority;
- the defect is caused by power surges spikes/ brownouts.
- if the pressure in the UV-Clarifier unit exceeds 4m head (40 KPa) pressure.

- Loss of livestock, damage to property or personal injury caused by the improper use or abuse of the product will not be covered and the manufacturer excludes all liability for such events, to the extent permitted by law.
- In addition to the Warranty set out above, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

E.&O.E.



- ULTRA SERIES - UV CLARIFIERS



INSTRUCTION MANUAL



AQUATEC
EQUIPMENT

1300 AQUATEC
www.aquatecequipment.com



- ULTRA SERIES - UV CLARIFIERS

	PU09W	PU18W	PU36W
MAXIMUM POND SIZE - WITHOUT FISH - SHADED (L)	9000	18000	36000
MAXIMUM POND SIZE - WITH FISH - FULL SUN (L)	4500	9000	18000
MAXIMUM FLOW (L/H)	4500	8000	12000
VOLTS (V)	240	240	240
ULTRAVIOLET CLARIFIER (W)	9	18	36
INLET/OUTLETS Ø (mm)	20 25 32 40	20 25 32 40	20 25 32 40
CABLE LENGTH (m)	10	10	10

Welcome to the world of PondMAX; watergardening to the MAX. You made the right choice investing in this quality product, thank you and enjoy.

BEFORE USING THIS PRODUCT, PLEASE READ THESE INSTRUCTIONS OF USE CAREFULLY AND MAKE YOURSELF FULLY FAMILIAR WITH THE UNIT. PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.

DESCRIPTIONS AND FEATURES

Your PondMAX Ultra Violet Clarifier has been manufactured with advanced technology to provide you with the best quality clarifier for your pond or waterfeature.

The PondMAX UV-C 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-C units, the internal burning chamber is designed for maximum contact time. Maximum exposure time is achieved by the baffles in the internal UV-C chamber diverting the water flow back and forth past the globe. The increased contact time exposes virtually all organic, single-celled algae and eradicates most harmful microorganisms to maximum UV radiation exposure. The result is clean, crystal clear water for your pond.

INSTALLATION **⚠ DO NOT SUBMERGE**

- If required, have a qualified electrician install a weatherproof power point near to the pond or water feature (within the cable length of the clarifier).
- Identify a suitable location for your UV-Clarifier. **NB: Do not submerge this product in water.** The UV-Clarifier is best situated in between a pump and a biological filter. The UV-C should be located where it is protected from the elements. The UV-Clarifier is not submersible.
- Attach the stepped hosetail's to the inlet and outlets of your UV-Clarifier. The adjustable valves will already be attached to the main body of the UV-Clarifier.
- Connect anti-kink hose or poly tubing from your pump to the inlet of the filter. The inlet is shown with the clear stepped hosetail in the exploded view. Your filter has a multi-step hose tail to suit 20, 25, 32 and 40mm diameter hose or tube. Ensure to cut off the hose tails that are smaller than the hose or tube size being used. Eg: If using 32mm hose, cut off the 20 and 25mm sections. Please use the largest size tubing possible. We recommend using PondMax hose clamps for a leak free connection.
- For normal operation of the UV-Clarifier use the bypass cap supplied to block off the bypass outlet. Connect tubing from the outlet of the clarifier to the inlet of your filter system or you can direct the sterilized water directly back into the pond. You only need to connect tubing to the bypass outlet if the flow from the pump you are using exceeds the recommended max flow of the UV-Clarifier and you need to bypass some of the flow or if you are connecting more than one unit together in series.
- Turn your pump on and then plug in the UV-Clarifier. The UV-C unit should not be turned on if there is no water flowing past the UV-C globe.
- You can help boost the biological function of your filter with PondMax Bacteria. Now sit back, relax and enjoy a clean and healthy pond.

MAINTENANCE

- Disconnect power cord from the power supply before performing maintenance.
- Never lift the UV-Clarifier by the power cord.
- Check the UV-C globe regularly and replace every 5 months. Failure to replace the globe before its life span may cause electrical damage.
- To visually check the globe, look through the clear stepped hosetail on the inlet of the UV-Clarifier and if the light is working you will see a purple glow.
- The power cord cannot be replaced. If the cord is damaged, the UV-Clarifier must be discarded.
- The UV-Clarifier must be operational 24 hours every day for it to function effectively.

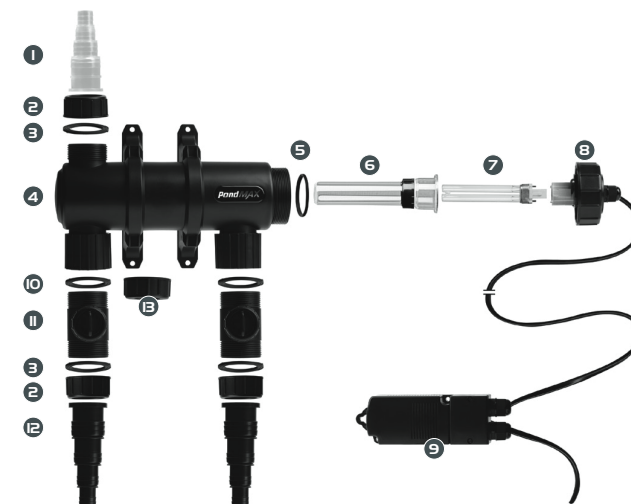
REPLACING THE GLOBE

- Turn off power supply and remove plug from power outlet. Turn off your pump.
 - Undo the UV-C globe holder and screw cap and carefully remove from the main body. The globe will be attached to the globe holder and screw cap.
 - You can now access the globe to replace it. Pull out the old globe and discard responsibly. Insert a new globe ensuring it is connected securely.
 - Replace the UV-C globe holder and screw cap assembly into the body of the UV-Clarifier ensuring it fits securely.
 - Turn your pump back on and then reconnect power supply and turn on your UV-Clarifier.
- Turn off power supply and remove plug from power outlet. Turn off your pump.
 - Undo the UV-C globe holder and screw cap and carefully remove from the main body. The globe will be attached to the globe holder and screw cap.
 - Carefully pry out the quartz sleeve by inserting a flat screwdriver in the grooves between the thread on the main body where the UV-C globe holder and cap is inserted and the lip of the quartz sleeve. Gently twist the screwdriver taking care not to damage the thread or O ring.
 - Once the quartz sleeve is partially removed grasp it with your hand and slide it out of the main body.
 - Rinse the quartz sleeve with water and wipe with a soft cloth or brush. Take care not to scratch the quartz glass surface.
 - Once the quartz sleeve is clean or if you have a replacement, slide the quartz sleeve back into the main body ensuring the O rings are seated correctly and it is fully inserted.
 - Replace the UV-C globe holder and screw cap assembly into the body of the UV-Clarifier ensuring it fits securely.
 - Turn your pump back on and then reconnect power supply and turn on your UV-Clarifier.

CLEANING/REPLACING THE QUARTZ SLEEVE

PARTS LIST

1	CLEAR STEPPED HOSETAIL
2	HOSETAIL LOCKING COLLAR
3	HOSETAIL SEAL
4	UV-C BODY
5	QUARTZ SLEEVE O RING
6	QUARTZ SLEEVE
7	UV-C GLOBE
8	UV-C GLOBE HOLDER & SCREW CAP
9	BALLAST
10	CONTROL VALVE SEAL
11	FLOW CONTROL VALVE
12	BLACK STEPPED HOSETAIL
B	BYPASS CAP



EXPLODED VIEW OF UV-CLARIFIER
(PU09W IMAGE SHOWN FOR ILLUSTRATION PURPOSES ONLY)

CHECK OUT THE PONDMAX RANGE OF FILTRATION PRODUCTS, FISH FOOD, POND LIGHTS AND ACCESSORIES AT WWW.AQUATECEQUIPMENT.COM