



Technical Data Sheet

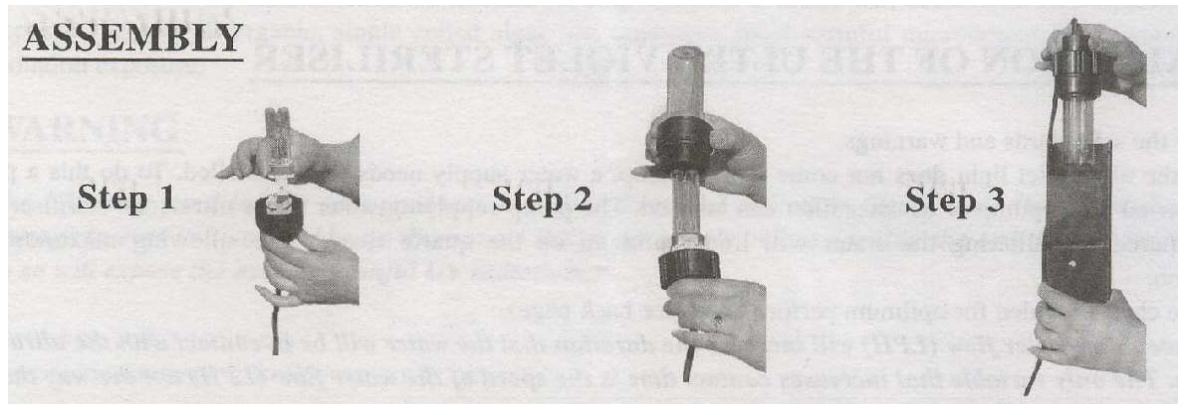
Product: PondMAX UV Clarifier
Product Code: 03PU Series



- The PondMAX UV-C sterilizer, pictured above, features a hard glass PL-lamp. These clarifiers incorporate a quartz sleeve that maintains the lamps temperature which allows up to 95% of UV radiation to sterilize the water. Producing more UV radiation than comparable UV units, the internal chamber is designed for maximum contact time. As the water is redirected by baffles in the internal burning chamber a vortex will occur. The increase contact time exposes virtually all organic, single cell algae and eradicates most microorganisms.
- **WARNING - The UV lamp used in these units produces harmful ultraviolet radiation. Never look directly at the lamp, as damage to eyes will occur. Always disconnect the power supply before opening the unit for service.** The clear hose connector provided glow bluish when the lamp is operating.
- Three models are available all operate from 240V/50Hz supply. Each has a 10m cable to the unit's ballast and 5m cable from the ballast to the UV Clarifier. The Ballast and Clarifier are **non submersible** and suitable for internal or outdoor use. All are suitable for use with freshwater and saltwater environments.

Model	03PU090	0303PU091	03PU092
Power (Watts)	9	18	36
Pond size (Litres)	5,000	12,000	24,000
Flow Max (lph)	2,500	4,000	6,000
UVC length (mm)	300	345	530

- Installation of the UV lamp



1. Follow the safeguards and warning of the instructions provided.
2. Unscrew the threaded PL lamp cap on the end of the UV Clarifier. Once unscrewed, the inside of the cap will reveal the lamp's socket.
3. Remove the UV lamp from its box. **It's important not to touch the quartz part of the lamp, if needed use a clean cloth to handle the lamp.**
4. Align the pins with the holes in the socket and press the lamp home into its socket.
5. Screw the cap back onto the UV Clarifier.

- Installation

1. Place the UV Clarifier in an area where it will not come into contact with water or direct contact with the elements (rain, direct sunlight and flooding).
2. Select and install the clear hose connections as per instructions provided with the unit.
3. Ensure water tubing is run without any kinks and is secured with hose clamps.
4. Ensure the supplying pump has a pre filter. This will limit build up on the quartz sleeve, thus allowing maximum UV penetration.
5. Connect the UV Clarifier to 240V supply.
6. Check operation by seeing a bluish colour from the clear hose connections.

- Maintenance

1. Always disconnect power and water supply prior to servicing.
2. Follow all safeguard and warnings provided.
3. The UV lamp has an optimum life of between 5,000 and 6,000 hours.
4. At times the quartz sleeve may need to be removed for cleaning to ensure maximum UV penetration. Carefully follow the information provided with the UV Clarifier when removing and cleaning the quartz sleeve.
5. We recommend using silicone O-ring lubricant on the connecting hose connector's O-rings.

- PondMAX UV Clarifiers come with a 2 year limited warranty. The UV lamp and quartz sleeve are regarded as consumables and hence are not covered by warranty.