

LIMITED WARRANTY

For complete limited warranty details and information please visit us on the web at www.alpine4u.com

SPECIFICATION CHART

| TYPE | PLUV1000 | PLUV2000 | PLUV3000 |
|-------------------------|---------------|---------------|---------------|
| Art. No. USA Plug | PLUV1000 | PLUV2000 | PLUV3000 |
| Capacity | 1000 | 2000 | 3000 |
| Power Supply | 12v - 60Hz | 12v - 60Hz | 12v - 60Hz |
| Electricity Consumption | 7 Watts | 9 Watts | 11 Watts |
| Outlet | 3/4" - 1 1/2" | 3/4" - 1 1/2" | 3/4" - 1 1/2" |
| Cord Length | 33 ft. | 33 ft. | 33 ft. |



Alpine's UVclarifiers

Owners Manual



PLUV1000 • PLUV2000 • PLUV3000



INTRODUCTION

Alpine's UV clarifiers are carefully inspected and tested to ensure both safety and operating performance. However, failure to follow the instructions and warnings in the manual may result in clarifier damage and/or serious injury. Be sure to read and save this manual for future reference.

The Alpine UV Clarifier is electrically operated and designed to be used with an existing pond filtration system, which normally includes a mechanical and biological filter, filter pump and hose. The unit is designed for outdoor use only.

This product is designed to be permanently wired to a mains supply. A 10mA or 30 mA residual current device (RCD) must be fitted to the mains supply.

The clarifier is supplied complete with 32' of electrical cable. The supply cable of this clarifier cannot be replaced, if the cable is damaged, the clarifier should be discarded. The installation must conform to the regulations of the local electrical authority. Do not use the supply cable to lift the clarifier as this may cause damage to the unit.

If an extension cable is required, this should be connected to the end of the clarifier cable using a weatherproof cable connector. The joint must be positioned outside the water in a suitable dry housing. The extension cable should be of 3-core, 0.75mm² PVC insulated cable (ref H03VVF) and permanently wired to the mains supply with a 3 AMP fuse. The clarifier cable (and extension cable) should be adequately protected from damage.

! IMPORTANT - SAFETY WARNING

- Always disconnect all appliances from the electrical supply before putting your hands in the water while the equipment is being installed, repaired, maintained or handled.
- The use of gloves and eye protection is recommended when installing or maintaining the clear glass tube inside the clarifier.
- Do not run the clarifier dry.
- The clarifier unit is weatherproof but not waterproof and **MUST NOT** be submerged in water. Therefore, position the unit away from the edge of the pond to prevent the clarifier from being accidentally dropped into the water.
- Exposure to Ultra Violet (UV) radiation can cause damage to eyes and skin. Never look at the lamp while switched on. The lamp can be checked when switched on by looking at the clear hose tail - a blue glow should be visible when the UV lamp is operating.
- To protect from frost the clarifier should be taken indoors during winter months when algae growth stops. Clean and dry the unit and store in a dry place.
- Young children should always be supervised near water.

INSTALLATION

- To prevent algae growth and green water, the Alpine UV Clarifier should be run for 24 hours a day during the season. When the UV Clarifier is used in conjunction with a pond filter and filter pump, pond water should be clear within 2 weeks.
- The clarifier can be positioned before or after the filtration system is placed.
- The water must be pumped through the unit and not gravity fed.
- The unit must be installed horizontally on a solid surface by screwing to the surface through the 4 holes on the securing plates. If strong enough the lid of the filter is an ideal location.

CONNECTING TO THE WATER SUPPLY

- The Alpine UV Clarifier is fitted with universal hose tails to take 3/4", 1" 5/4" and 3/2" diameter flexible hose. When using the larger diameter hose tails, trim off the smaller sections so as not to impede the water flow. Secure the hose to the hose tails using suitable hose clamps. Hose lengths should be kept to a minimum length to avoid loss of flow.
- Connect the hose tails to the unit using the threaded connectors provided.

CONNECTING TO THE WATER SUPPLY

- The UV lamp should be changed at the beginning of a new season. The lamp may look like it is still working but over time the amount of UV diminishes reducing the effectiveness of the unit.
- Unscrew the wired end cap counter-clockwise. See figure 1 below.
- Remove the UV glass tube by gently pulling out of the electrical connection. See figure 2 below.
- Insert a new glass tube by pushing gently into the electrical connection.
- Re-assemble the end cap by rotating clockwise.

