



## Submersible Fountain Pump

Please thoroughly read these Instructions before installation and use. **ANY TEXT IN BOLD IS EXTREMELY IMPORTANT AND MUST BE READ FOR YOUR SAFETY.**

Model	Rated voltage	Power rating	Maximum Flow	Maximum head	Maximum depth	Diameter of standard outlet	Cable length
AP6000	220-240V, 50Hz	95W	6000L/h	3.5m	2m	1" (25mm)	10m
AP8000	220-240V, 50Hz	125W	8000L/h	4.0m	2m	1" (25mm)	10m

These pumps are suitable for use as a submersible OR non-submersible pump in garden ponds, fountains, water features etc to circulate and oxygenate clear water.

**These pumps are not for use in swimming pools!**

### GENERAL SAFETY INSTRUCTIONS

- Read and observe all the instructions clearly before installing, connecting and operating the pump.
- Make sure the pump is securely installed before switching on the power.
- Always disconnect the pump when not in use and when carrying out maintenance.
- The pump must not be used when people are working in water - disconnect the pump first.
- For safety reasons, servicing or repair of this item should only be carried out by Pondrite.
- Never hang or carry the pump by the power cord.
- Close supervision is necessary when the pump is used by or near children.
- Never use accessories which have not been approved for use by Pondrite.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not operate the pump with a damaged cord or plug. The supply cord of the appliance cannot be replaced.

**If the cord is damaged the appliance should be scrapped.**

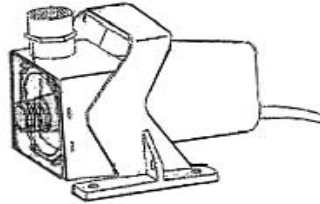
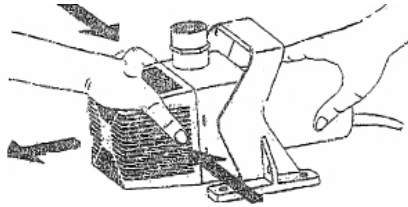
### IMPORTANT:

From 1<sup>st</sup> January 2005, the revised building regulations for England and Wales state that you are requested to advise your local building control that you intend to install this product, prior to installation.

## PUMP FEATURES:

The pump outlet is a standard 1 1/4" threaded (32mm) outlet. An adaptor / converter is also supplied to allow connection to 3/4", 1" or 1 1/4" hose

The pump inlet is protected with a "cage" filter to minimize the ingress of large sediment. The cage can easily be removed as shown below by pressing both sides and carefully sliding away from the main body. This gives access to the threaded water inlet (1 1/2") should you prefer to make a direct hose connection when using as a non-submersible pump.



The outer "filter" cages" are removed as shown.

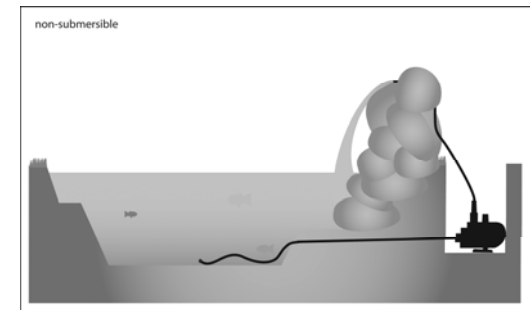
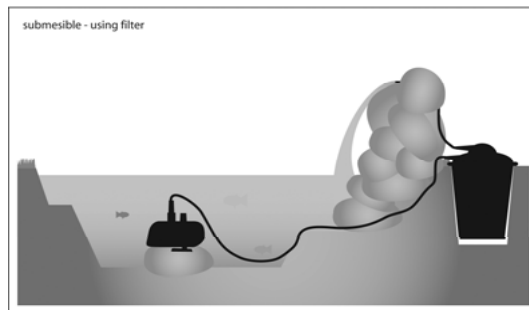
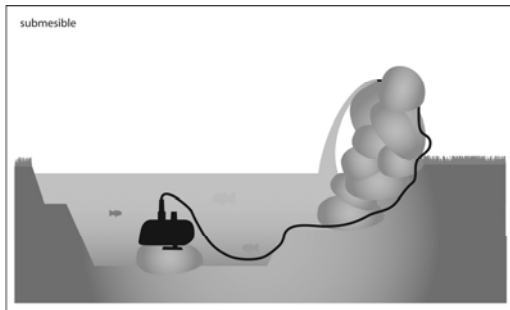
With cage removed

## TYPICAL PUMP INSTALLATION OPTIONS:

A submersible pump with waterfall

Submersible pump with filter / waterfall

Non-submersible suggestion



## SUBMERSIBLE PUMP INSTALLATION:

Select a suitable location in the pond which provides a solid and level base to place the pump, standing on a block when necessary to avoid sediment / mud. Ensure that the main body of the pump is located a MINIMUM of 12" below the surface of the water to ensure air cannot be drawn into the motor housing.

When the pump is in the correct position, route the electrical cable to your waterproof junction box ensuring that cabling cannot be damaged under normal use. If routed underground, ensure conduit is used to protect against damage by garden tools.

### **WHEN USED AS A NON-SUBMERSIBLE PUMP**

The AP6000 & AP8000 can also be used as a non-submersible pump. It is perfect acceptable to mount the pump at the side of the pond (see notes below), however, the internal impeller pump must NEVER be allowed to run dry.

- Position the pump **lower than the water surface** on the side of the pond. The pump is not self-priming and will not operate correctly unless water can be drawn into the impellor at the same level or lower (see diagram on page 2).
- Remove the filter cage and connect the inlet hose directly to the pump, ensuring the connection is secure and cannot “draw air”.
- Fill the inlet hose and pump with water before turning it on. This will ensure the pump is “primed” before operation.
- To prevent the pump from becoming clogged, a filter cage/sponge should be attached to the inlet hose.
- Route the cable to a waterproof junction box as previously stated.

**IMPORTANT: Do not let the pump run dry – this could cause damage to the motor.**

### **ELECTRICAL CONNECTION AND IMPORTANT SAFETY DETAIL.**

Each pump is supplied with a 10 metre length of 3 core cable, which is permanently connected to the electric motor. The electric motor (mounted inside the outer filter cage) is factory sealed and no attempt should be made to dismantle or repair the motor housing. If the cabling is accidentally damaged – DISCARD THE PUMP.

**The installation of the wiring must conform to both local and national wiring regulations; be carried out by qualified electrical personnel with all materials used complying with current British safety standards.**

Connecting the wiring:

THIS PUMP **MUST** BE EARTHED VIA THE GREEN/YELLOW CABLE CONNECTION.


**All connections must be made in a fully waterproof enclosure, ideally with a fully insulated double-pole switched fuse spur (5a) for easy operation. Where cables enter the enclosure, create a “drip loop” by doubling the cable on itself, to prevent water from seeping along the cable.**

**\*\*\*\*A 30mA RESIDUAL CURRENT DEVICE (KNOWN AS AN RCD) must be used for electrical safety.\*\*\*\***

### **Wiring connections:**

BLUE – NEUTRAL (marked with an “N” in most terminal connections)

BROWN – LIVE (marked with an “L” in most terminal connections)

GREEN/YELLOW – EARTH (marked with  in most terminal connections)

### **Don't forget!**

- The pump is to be supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA.
- The electrical connection should be located in a waterproof junction box and should be at least 2 meters (6 feet) away from the edge of the pond.
- Keep the electrical connections dry! Ensure that the electrical cord loops below the electrical outlet to form a "Drip Loop". This will prevent water from running down the cord into the electrical outlet.

### **Maintenance and cleaning**

All Pondrite pumps are manufactured using the best possible components. **Keeping the pump clean is essential to getting the maximum possible life from the motor** – the cleaner you keep it, the longer it will last!

### **IMPORTANT: BEFORE ANY MAINTENANCE – MAKE SURE THAT THE PUMP IS DISCONNECTED/ISOLATED FROM THE ELECTRICAL SUPPLY.**

EVERY installation is different – the maintenance cycle is *entirely* dependant on the Pond location, number of fish, plant life, filtration, temperature, sunlight etc. Initially, we suggest inspecting the outer pump "filter cage" (main plastic body) weekly throughout the year to check for build-up of debris. If the outer filter cage becomes blocked, the fountain/filter (if fitted), water feature performance will reduce dramatically. Also this may cause the pump to overheat with premature failure.

To thoroughly clean the outer filter cage on the pump, press the "tabs" on the end cages to gain access to the pump. Wash the cages in clean water and refit the pump inside in reverse order. At the same time, check all hoses and connections are secure.

### **Fault finding / Overload protection**

The pump has a built-in thermal overload trip which prevents the pump from overheating. The pump must be allowed to cool down before restarting.

If the pump does not start again automatically after it has cooled down please check the following:

- Lack of water in the pond!
- The filter become clogged
- The pump housing has become clogged
- Fountain heads or hose are blocked, kinked or damaged
- Incorrect adjustment of the flow valves at the base of the fountain head
- Electrical supply – check cabling and connections

Please check the above before contact for assistance.

## LIMITED WARRANTY

This product is guaranteed against material or manufacturing defects for a period of 3 years from the date of purchase. The guarantee covers the substitution of defective parts. However if failure is due to improper use/handling or negligence/**lack of maintenance** on the part of the buyer this will invalidate the guarantee. If the pump fails please contact the supplying retailer with proof of purchase. This does not affect your statutory rights.

THE WARRANTY IS INVALID IF THE PRODUCT FAILS DUE TO BEING RUN DRY OR FROST DAMAGE.

Liability cannot be accepted for personal or property damage due to accident, improper installation or use or as a result of a defect. The guarantee is limited to a replacement/repair if deemed to be faulty.



**DISPOSAL:** Do not dispose this product in household waste.

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