

# SOLAR PUMP KIT MANUAL

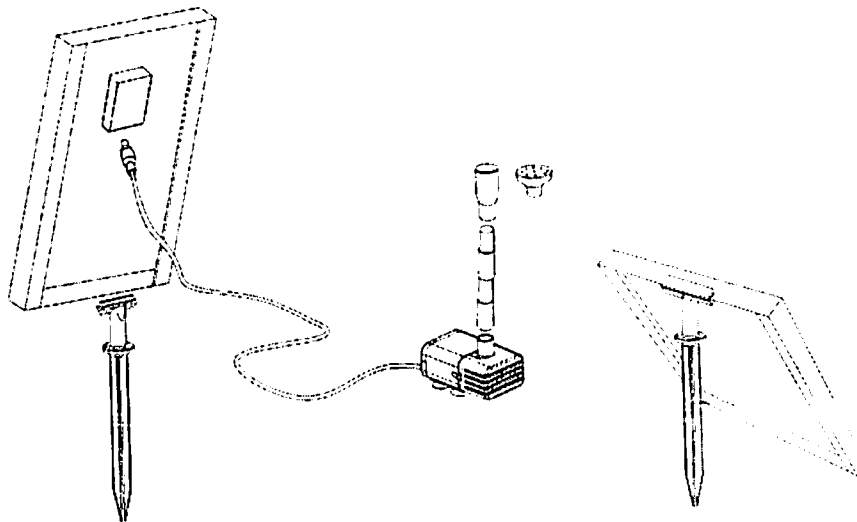
## P002H

This instruction contains important information for using the product for the first time. Please keep this instruction for later reference. They should always accompany the product in the Event of transfer a new user.

### 1. INTRODUCTION

Thank you for purchasing the solar pump. You have purchased a product that complies with the latest and most up-to-date solar technology available. Design dry run protection prevents to protect the pump from burning out when fountain, pond or pool dries out.

The solar pump has been designed for fountain, pond or outdoor use; the Pump drives its power from a solar module directly. In order for the pump to operate, the solar module needs to be placed in direct sunlight. The performance of the pump depends on the season and the position of the solar module.



### 2. ASSEMBLING AND USING YOUR PRODUCT

Unpack all components carefully.

Unroll the pump cable.

Place the pump underwater making sure that when the pump operates, it is fully immersed underwater.

Use up to a flexible PVC tube (No supply here) to ensure the fountainhead stays above the surface of water, and enough to lift water to the place you need. If this is not enough then the pump must be raised (e.g. Use stones or bricks to raise the pump) insert the connector into the rear of module; the solar pump is now ready to operate.

### 3. WARNING

- 3.1. For safety reasons and in order to maintain good quality you are prohibited from altering or changing any component in the solar pump.
- 3.2. Do not connect the pump to any AC voltage power; it is for DC voltage power only.
- 3.3. Do not pump flammable liquids
- 3.4. Do not use pump with water above 35°C

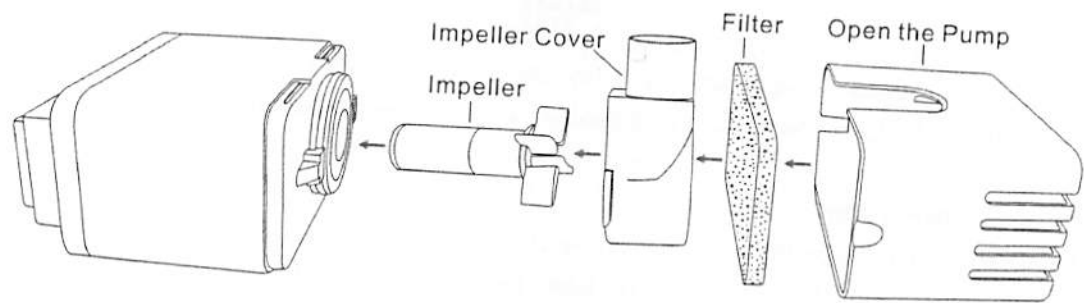
### 4. CAUTION

- 4.1 Do not strike the solar panel
- 4.2 Do not lift the pump by the power cord
- 4.3 Operate in freshwater only

### 5. CLEANING AND MAINTENANCE

**Pump:** If, after a period of time, the pump starts to lose power or stops working check for the build

up of sediment, scale or dirt in the filter. Remove the pump cover and the impeller cover. Clean them and the filter by fresh water.



**Solar panel:** The panel should be cleaned periodically with a soft tissue. Regular cleaning of the panel is advised to maintain optimum conversion of the sun's energy into direct current.

#### 6. FUNCTIONALITY PROBLEMS

- Pump does not operate even though the solar module is in full sunlight.
  - No connection to the solar module – check connection to the solar module.
  - Impeller is blocked – To clean the pump, remove the front plate and the impeller. Use a small brush or stream of water to remove any debris.
- Pump does operate but there is no water running through the fountainhead check for the build up of sediment or scale in the tubes or the filter- clean the tubes and the filter.

#### 7. TECHNICAL DATA

Operation voltage	6-10V DC
Solar module	5W
Water lift (Jet Height)	0.8m
Water flow	500L/H
Cable Length	5m