

PondMAX

FOR GARDENS THAT GO THE EXTRA YARD

PS10000 FLOATING FOUNTAIN PUMP & PANEL KIT





CONGRATULATIONS ON YOUR PURCHASE OF THIS PRODUCT BY **PONDMAX**, THE ANSWERS FOR YOUR WATERGARDEN MADE EASY.

TECHNICAL SPECIFICATIONS

DESCRIPTION	PS10000
SOLAR PANEL MAX POWER (W)	2 X 60W
SOLAR PANEL MAX POWER VOLTAGE	DC 18V
PUMP OPERATING VOLTAGE	DC 18V
MAX PUMP POWER (W)	60 W
MAX FLOW RATE	10000 LPH
REMOTE CONTROL EFFECTIVE DISTANCE (M)	100M
CABLE LENGTH (M)	10
PRODUCT ORDER CODE	02PS003

* SUBJECT TO VARIATION ACCORDING TO LOAD.

DESIGN HIGHLIGHTS

The PondMAX Floating Solar Pump has been manufactured with advanced technology to provide you with the best quality Solar pumps for your water feature. Visit our website to view our range of outdoor/underwater lighting and water gardening accessories.

- Advanced Low voltage pump motor design with DC current, brushless motor.
- Dry run protection - will automatically cut power to the pump on low water level.
- Long life Impellor Design - Ceramic shaft is wear resistant and self-lubricated by water.
- Energy Efficient - Runs directly off energy from the sun via the solar panel.
- Eco Friendly - Exceptional low dB noise rating with low mechanical vibration.
- Tool-less Assembly for Easy maintenance. No special tools required.
- Easy to install due to the Plug and Play plug design and Extra Low Voltage Electrical system.
- Remote control.

SOLAR PUMP INSTRUCTIONS



IMPORTANT SAFEGUARDS

Please read these instructions and familiarize yourself with the equipment before placing it in service. Correct and safe use of the system requires strict compliance with the safety instructions. For safety reasons persons less than 16 years of age or people that are not familiar with these instructions should not use this equipment.

- Always unplug the pump from the Solar Panel when not in use. Never pull the cable to disconnect the plug - Grasp the plug and pull to disconnect.
- Do not operate the pump if the appliance or any components of the system, such as the power cable, have been damaged. Check appliance for defects regularly.
- Do not cut the cable as this will result in voiding your warranty.
- Do not install or store the appliance where it will be exposed to extreme hot or cold temperatures. Do not use in water above 40°C.
- Care should be taken to arrange the power cable so that it cannot be accidentally tripped over or pulled.
- Do not attempt to repair the electrical appliance yourself. Return to an authorised service centre or place of purchase if a fault occurs, (regular maintenance is not considered repair and is required by user).
- Do not operate the pump without water at any time, permanent damage may occur.
- Be sure the equipment is submerged completely in the water. Do not use this pump in a dry mounted application.
- The pump is dry run protected. The pump will automatically stop when there is not enough water or it is moved out of water, however, the pump will continue to detect if there is any water by running for a while very 5 seconds until water is back or it is powered off.
- Do not connect the pump to any AC voltage power supply. It is only to be supplied with DC power within the voltage range stated in the specification table.
- All cable connectors are protected against reverse polarity.
- The solar panel is made with glass components. Do not drop, strike or crush the solar panel. It will break. The solar module should only be cleaned with soft tissue or glass cleaning solutions.

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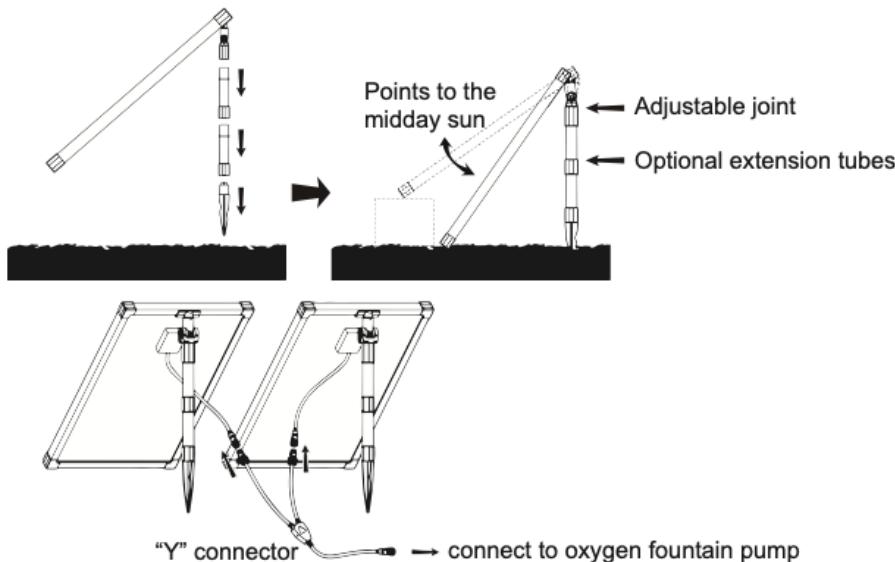
INTRODUCTION

- The solar floating fountain pump is designed to oxygenate a pond with an aesthetic mushroom fountain and is powered by two solar panels. In order to make full use of solar energy, the solar panels need to be placed in the sunlight with its solar cells facing the mid-day sun as much as possible.
- The pump operates at its full performance when the solar panel generates more power than it demands, the output power of the solar panel depends on sunlight intensity and the incident angle at which sunlight strikes the panel surface.
- The floating fountain pump is supported on the water surface by a float ring with strings attached to prevent it from spinning when operating.
- The latest DC brushless motor technology is utilized in the pump design ensuring the pump is efficient and reliable.
- The solar floating fountain pump can be operated by a remote control.
- The pump is dry-run protected. It stops automatically when out of water and will continue to detect if there is any water by running for a while every 5 seconds until water is back or it is powered off.

SOLAR PUMP INSTRUCTIONS

ASSEMBLY & INSTALLATION

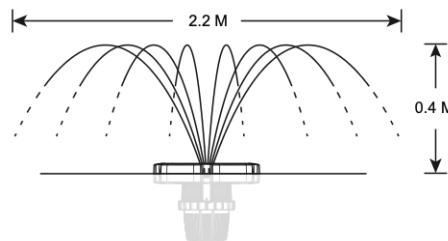
- Unpack all components carefully.
- Connect the two solar panels through the "Y" connector, as shown in the figure below, and then tighten the protection screw. All the connectors are protected against reverse polarity. Don't insert the plug with reverse polarity by using unnecessary force.
- Install the two solar panels in a sunny place using the ground spikes and point the solar panels toward the mid-day sun as shown in the figure below.



- Place the floating fountain pump on the water. To prevent the pump from spinning when it operates, attach the enclosed two 10m long strings to the ring float and tie the other end of each string to the mounting spikes as shown in the figure below.



- Operate the floating fountain pump by electrically connecting it with the solar panels, making sure the protection screw is tightened. Never touch the impellor inside the pump outlet, avoid being hurt by the spinning impellor. A mushroom fountain should be produced when pump operates, the fountain size is showed as below.



- The pump can also be operated by a remote control, press the button A to start operating, and press the button B to stop.
- The pump is dry-run protected. It stops when out of water. The pump will continue to detect if there is any water by running for a while every 5 seconds until water is back or it is powered off. Never touch the impellor inside the pump outlet with fingers, the impellor could start spinning at anytime.

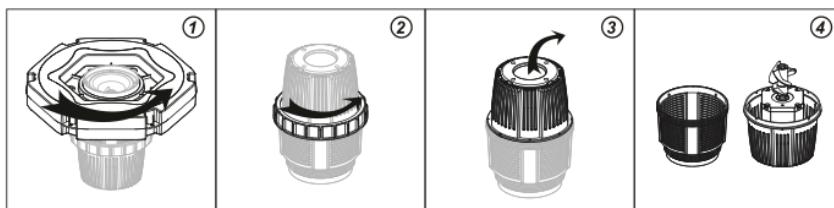
CLEANING INSTRUCTIONS

Begin by ensuring that the pump is disconnected from the solar panel before attempting any maintenance or adjustment of the unit. Remove the pump from the water. The filter (if applicable) will clog up over time.

Please clean regularly (at least once a month) to ensure strong water flow. Failure to maintain the unit will result in a burnt out motor and other damage. All PondMAX DC Solar Pumps are water cooled, if pump becomes restricted, or blocked, it could overheat and could cause permanent damage. When the flow starts to be reduced, check and clean as necessary.

The motor unit of the pump is encapsulated with epoxy resin and does not need lubrication. Regular inspections, cleaning and maintenance of impellor is necessary to ensure longer life.

1. Disconnect the pump from the solar panels. Detach the strings and move the pump out of water.
2. If there is any debris on the filter housing, clean the debris to make sure the water passage is not impeded by debris.
3. Check if there is any debris or weed winding on the impellor. When necessary, dismantle the pump and clean the impellor as show in the figure below.
4. Reassemble the pump in reverse sequence and put it back to work.



SOLAR PUMP INSTRUCTIONS

TROUBLESHOOTING

Problem	Reason	Solution
Water Pump Not Working	The pump was turned off by the remote control.	Turn the pump on by the remote control or by disconnecting and reconnecting the solar pump to the solar panel
	Impellor is blocked with sludge or limescale	Clean the Impellor as per the instructions
	Running without sufficient water	Submerge the equipment underwater then plug in. Refill if necessary.
	Blocked Impellor chamber or ceramic shaft is broken	Clean the Impellor. Check for wear. Replace if necessary.
Water Pump is noisy	Blockage in pump	Clear the blockage
	Impellor & Shaft worn out	Replace Impellor & Shaft
	Impellor broken	Replace Impellor
	Unit inlet is blocked or the water pump outlet is blocked	Clear all blockages

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IMPORTANT SAFEGUARDS

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

- The pump should only be used in clean water
- Do not use the pump in any solvent or gasoline that is flammable.
- Do not operate the pump without water at any time, permanent damage may occur.
- Do not operate the pump if the pump or any of the components of the pump such as the power cable have been damaged.
- The drip loop method should be used to prevent water from traveling down the cord onto the plug or power point. If the plug does get wet, do not unplug the cord. Disconnect the circuit breaker that supplies power to the power point. Then unplug and examine the plug and power point for presence of water. If the power point has become wet, you should consult an electrician before using the power point again.
- **Warning: 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 pump from the power supply when not in use or before performing any maintenance on the pump or in the pond. 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 pump where it will be exposed to extreme hot or cold temperatures.
- Do not cut the cord as this will result in voiding your warranty.
- Keep out of reach of children or pets. This appliance should not be used by children or infirm persons without supervision.
- 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 pump yourself. Return to an authorised service centre or place of purchase if a fault occurs.
- Do not use in water above 35°C.

LIMITED WARRANTY

IMPORTANT: IF USED IN MARINE OR SALTWATER, DUE TO THE HARSH CONDITIONS THE WARRANTY IS VOID.

- This product comes with a warranty against defects and motor failure (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 Aquatec Equipment PTY LTD

vtrading as Aquatec Equipment: P37 Edision Circuit Forestdale, WA 6112. Tel 1300 552 202 or email sales@ 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 3 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;
 - 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 complete Impellor Set, O Ring & UV Globe. 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.
- 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.

Please consult your retailer for quality original PondMAX replacement parts.

Visit www.pondmax.com.au for your nearest stockists.

E.&O.E.