

Usage instructions

Waterpump "Rimini"



These instructions relate **ONLY** to this product and contain important information for using the product for the first time. Please keep these instructions for later reference and should always accompany the product in the event of transference to a new user.

1. Introduction

Dear Customer, thank you for purchasing the solar pump kit. With this solar pump kit you purchased a product manufactured according to the current state of technology.

CE This product fulfils all requirements of the valid European and national regulations. The conformity was proved. The relevant declarations and documentation are deposited with the manufacturer.

To maintain this state and guarantee a safe operation, you as the user will have to follow this operating manual!

2. Safety Instructions



- In case of damages caused by not following this operating manual, the warranty rights will expire! We exclude liability for any consequential damages!

- We exclude liability for property or personal damages caused by inappropriate handling or not following the safety instructions.

- In these cases any guarantee rights will expire.

Due to safety and admission reasons (CE) it is not allowed to arbitrarily reconstruct and/or change the solar pump kit.

Therefore, please keep to the operating manual.

The accident prevention rules of the association of the industrial trade cooperative association for electric plants and working material are to be considered in industrial environments

3. Appropriate use

This submersible pump has been constructed for pumping water into garden ponds, water fountains, etc.. The pumping can be conducted via a hose attachment or via the supplied standpipes with water sprinklers.

A solar module featuring a voltage of 6 - 9 volts can be used as the source of energy. When using such a solar module, the pump only works when the solar module has been provided with enough of the sun's rays.

The pumping performance can be set using the regulator on the front side of the pump. The water pump does not feature an on/off switch. As soon as the pump is connected with its electrical supply, it will begin pumping water.

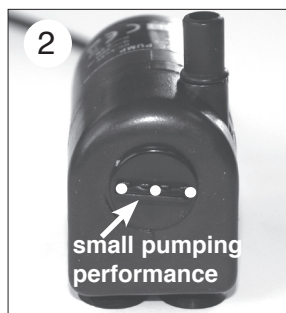
4. Assembly and start-up procedure

1. Completely roll out the connection cable on the pump.
2. Place the pump into water.
3. Continue to connect the standpipe parts until it protrudes from the water surface.
4. You can now select one of 3 different water nozzles or a single-spray nozzle. The multi-spray attachments are always to be connected via the nozzle receptacle.
5. Alternatively, the pump can also be used for pumping water via a tube. For this, simply attach a tube to the pump pipe.
6. Supply the water pump with energy via a solar module. For this, make use of the provided connector with cable (red = positive pole, black = negative pole). If you have purchased this pump in the form of the complete solar system, then the correct connector is already located on the solar module.

Note: The connector is protected against reverse polarity. There should be no use of force. The solar module's glass can be easily broken.

Warning: risk of injury! A broken module can no longer be repaired and must be disposed of in an environmentally compatible manner.

7. Should the pump performance be too strong/heavy, you can reduce the amount of water being sent to the pump. Simply turn the regulator located on the front side of the pump clockwise (Illustration 1 and 2). Please do not use force when setting the amount of water being sent to the pump. The adjustment range consists of 45°.



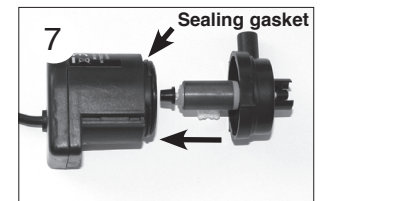
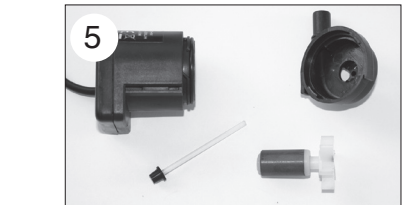
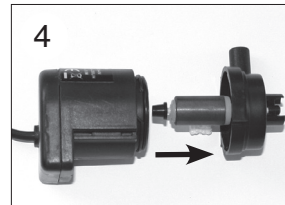
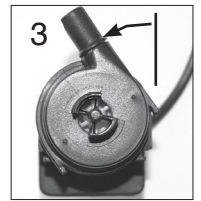
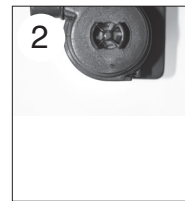
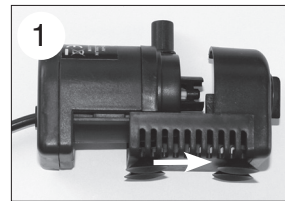
5. Service and maintenance

To ensure the performance of the pump, the pump must be washed out with warm water from time to time, depending on the rate of water contamination. For this, open the filter encasement:

Note: Please do not use unnecessary force to assemble or disassemble the pump. The parts are very delicate and can easily be broken.

1. Pull up the pump's connector.
2. Carefully pull the front lid of the pump off, pulling like a sled forwards (Illustration 1).
3. Turn the front lid of the pump app. 45° counterclockwise (Illustrations 2 and 3) and carefully pull the lid forwards (Illustration 4). Please take care in observing the plastic starter switch.
4. Pull the impeller wheel carefully from the pump with the starter switch (Illustration 5).
5. Now clean all of the parts carefully with warm water.
6. Then place the starter with the impeller wheel carefully into the hole of the front lid (Illustration 6).
7. Now carefully slide the lid back axle into the pump. Make sure the lid is on correctly and that the opening is completely sealed by it.
8. Now turn the front lid again back into the initial position.
9. Now push the lower part of the pump completely together onto the pump encasement.

The pump is once again ready for operation.



7. Technical data

- Operational volt.: 6 - 9 V DC
- Power consumption: 1 W (6V) - 2,5 W (9V)
- Max. pumping head: 60 cm (6V) - 1 m (9V)
- Discharge: max. 170 l/h (6V) - 230 l/h (9V)
- Degree of protection: IP 68
- Protection class: III
- Operational temperature area: +4 to +40°C
- Dry running: no

Note: The pump is only suitable for pumping water.

Note: Protect the pump from frost!

During cold winter months, the pump must be taken out of the water and placed/ stored in a warm area. The solar module can spend the winter outdoors.

8. Safety information:

DANGEROUS for children! Children could easily swallow the small parts that come with this pump and its packaging material. Please keep at a safe distance. These parts could otherwise lead to choking or suffocation!

WARNING against danger of stumbling! Lay out the connection cable such that it does not create the threat of tripping or stumbling!

CAREFUL: material damage! If you set up the solar module without a module holder, you must make sure that it is sturdy enough to retain its position. If the module falls down or a foreign object hits against it, the solar module can be damaged.

Notes on disposal for electronic devices:

Esteemed customer, once you have decided to part ways with this article, please dispose of it in accordance with the current, local law. Information is provided by the municipal appointment.



Customer support:

If you have problems or questions regarding this product, simply contact us!

Monday to Friday 9 am to 12 noon and 1 pm to 4 pm.

By phone: +49 9605-92206-0

Internet: www.esotec.de

By e-mail for ordering spare parts: ersatzteil@esotec.de

By e-mail for questions about the product: technik@esotec.de

Product: Manufacturer Item No.: 101750