

Usage instructions

Floating pond aerator set „Power Float 400

Floating pond aerator set „Power Float 1000

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.



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.

This product is designed for home use only.

3. Proper use according to manufacturer specifications

- The pond aerator system is designed for outdoor use in garden ponds. The pump delivers air depending on the solar radiation on the solar module.
- **Direct sunlight is required for the pump to function.**
- The system is particularly characterised by its ease of installation. No tools are required for assembly. It requires direct sunlight on the solar module for start-up.
- The pump is only suitable for fresh water.
- The device has no on/off switch. As soon as the pump and the solar module are connected, the pump starts working (assuming the solar radiation is sufficient).
- In order to interrupt the delivery safely, you must disconnect the cable connection between solar module and pump.

4. Installation and commissioning

The pump system consists of the following parts:

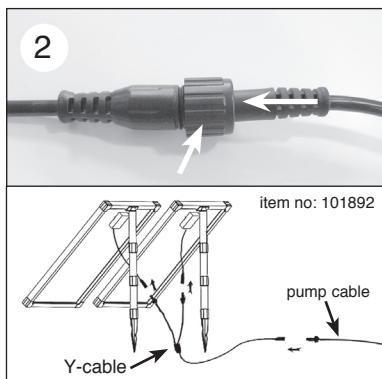
Solar module(s) with ground spike, Y-cable (for 2 solar modules), 1 pc. pond aerator pump with float and 5 m connection cable, Y-pipe and extension.

1. Roll out the connection cable on the pump completely.
2. Place the floating pond aerator on the water surface
Note: Please also observe the instructions in the operating manual of the pond aerator.
3. Connect the plug of the pump to the socket of the solar panel and screw the cap on tightly (Fig. 2). For art. no.: 101892 a Y-cable must be installed additionally (picture 2). Place the solar module in a sunny, shade-free location facing south.

Note: Do not use force while inserting the plug into the socket. The front side of the solar module can break.

Caution: Risk of injury! A broken module cannot be repaired and must be disposed of in an environment-friendly manner

Note: When commissioning the pump for the first time, please also pump. This contains important hints troubleshooting of the pump!



5. Care and maintenance

To maintain efficiency, the pump and its components must be washed with warm water, depending on the level of water pollution.

Wipe the solar module clean with a soft, light, slightly wet cloth occasionally.

Note: Before starting work on the pump, disconnect the plug of the pump from the socket of the solar module.

A detailed description of how to clean the pump can be found in the enclosed manual of the pump.

6. Technical data

| Type | Power Float 400 | Power Float 1000 |
|------------------------|-----------------|------------------|
| Solarpanel: | | |
| Nominal power: | 35 Wp | 2 x 25 Wp |
| number of cells: | 36 | 36 |
| Nominal voltage: | 17,28 VDC | 17,25 VDC |
| Open circuit voltage: | 20,8 VDC | 20,8 VDC |
| Nominal current: | 2,02 A | 2 x 1,45 A |
| Short circuit current: | 2,39 A | 2 x 1,71 A |
| Protection type: | IP 54 | IP 54 |
| Protection grade: | III | III |
| Temp.-range: | -30°C to +75°C | -30°C to +75°C |
| Pump: | | |
| Max. delivery rate: | 400 l/h | 1000 l/h |
| voltage: | 18 VDC | 18 VDC |
| Power consumption: | 9,4 W | 19 W |
| Protection type: | IP 68 | IP 68 |
| Water temperature: | +4°C to +40°C | +4°C to +40°C |
| item no.: | 101890 | 101892 |

Note: Protect the pump against frost!

In the cold winter months, the pump must be taken out of water and kept at a warm place along with the solar module.

7. Safety instructions:

DANGER for children! Keep children away from the small components (rising pipe and sprinkler) that can be swallowed and from the packaging material. Danger of suffocation exists!

WARNING against the danger of tripping! Lay the connecting cable in such a way that it does not cause people to trip!

CAUTION material damages! If you setup the solar module without the holder, please ensure that it is stable. The solar module can be damaged if it topples over or a foreign body collides with it.

Disposal instruction for electronic devices:

Dear customer, if you do not want to use the article any more, please dispose with it in accordance with the current provisions. Information is available at the community office.



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