

USER'S MANUAL

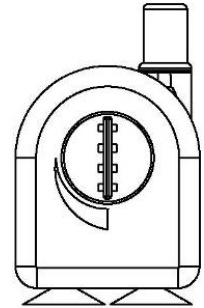
AquaJet Pro Kit – Solar Pump Kit

SKU: AquaJet-Pro-Kit-6V-V1

READ AND FOLLOW ALL INSTRUCTIONS BEFORE OPERATING YOUR SOLAR PUMP. KEEP THIS MANUAL FOR FUTURE REFERENCE

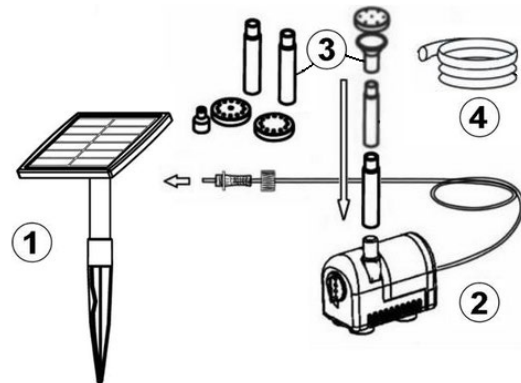
1. OVERVIEW

- a. The solar pump is designed for outdoor or indoor fountain use, and is powered by a solar panel. In order to make the pump work through solar energy, the solar panel needs to be placed in the sunlight with its solar cells facing the sun as much as possible.
- b. The performance of the pump depends on sunlight intensity and the incident angle at which sunlight strikes the panel surface.
- c. The latest DC brushless motor technology is introduced in the pump design and manufacturing, so that the pump has high efficiency and long service life.
- d. The pump flow rate can be adjusted by the flow valve (referring to the right figure).



2. COMPONENTS

- a. Solar panel with ground take / mounting
- b. Water pump
- c. Nozzles and extension tubes
- d. Water hose



3. ASSEMBLING

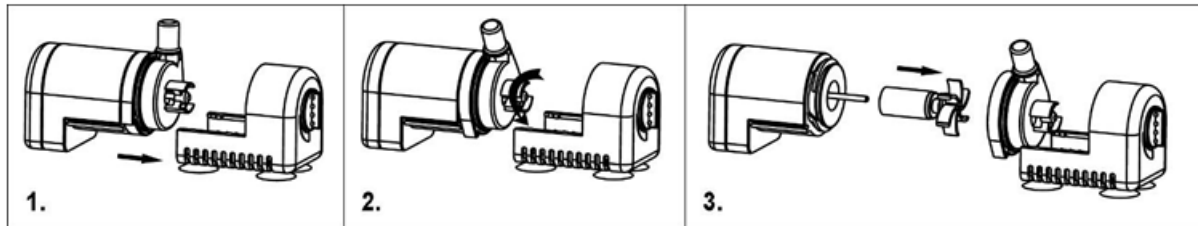
- a. Unpack all components carefully.
- b. For the application of pumping water for a water feature or small waterfall, connect the pump outlet to the water inlet of a garden water decoration or the headstream of the waterfall with the attached soft water hose.
- c. For the application of creating a small jet fountain, please follow the steps below:
- d. Fit a nozzle and extension tubes on the top of the pump outlet, as shown in the above schematic, the nozzles can produce 4 different jet shapes.
- e. Fix the pump at the base of a basin or bottom of a small shallow pond etc.
- f. It is best to keep the pump off the pond base to avoid drawing the pond waste into the pump, otherwise it may lead to blockage inside the pump.
- g. To produce an excellent fountain effect, please leave the fountain head above the water surface by using the extension tubes. If these four extension tubes are all used and the pump head is still immersed in the water, please uplift the pump body somehow.
- h. Connect the pump to the solar panel, and tighten the protection screw.
- i. Install the solar panel in garden lawn or soft ground by jabbing the spike into the ground. Adjust the knob at the back of the panel and make the panel face the sun.

- j. Make sure to keep the pump fully underwater while the pump is operating.
- k. The solar pump is now ready to operate.

4. SAFETY & CAUTION

- a. Any altering of the product itself or changing of the components voids warranty.
- b. Do not connect the pump to any AC voltage power directly; it's ONLY for DC voltage power.
- c. Operate the pump in water only (never above 40°C), especially keep it away from flammable liquids.
- d. The pump is dry run protected. The pump will automatically stop when there is not enough water.
- e. Do not strike the solar panel.

5. CLEANING AND MAINTENANCE



- a. If the pump starts losing power or stops working after operating for a certain time, please clean the pump following the steps below (See the above figures for demonstration).
- b. Disconnect the pump.
- c. Press on the bottom of the filter housing and meanwhile move the filter housing apart from the pump.
- d. Turn the impeller cover counterclockwise to the end and then carefully pull the impeller cover apart from the pump.
- e. Remove the impeller wheel from the pump.
- f. Wash every part to clean the debris.
- g. Assemble the pump in reverse sequence.
- h. Connect the pump.
- i. **Be careful, never drop the ceramic axis while cleaning the impeller, it breaks easily.**
- j. **The solar module should only be cleaned with soft tissue or glass cleaning solution.**

6. TROUBLE SHOOTING

- a. If the pump does not operate, please check the following possible reasons:
- b. No connection to the power supply - check the electrical connection to the solar module.
- c. Impeller is blocked— clean the pump as described in “**CLEANING AND MAINTENANCE**”.
- d. **Pump does operate but there is no water running through the tubes: Clear the tube and the filter to make sure the tube is through completely.**

7. TECHNICAL DATA AND PUMP CURVE

Peak Power of Solar Panel	1.5W
Operation Voltage	6V
Maximum Water Lift Height	0.5 M (1.64 FT)
Maximum Flow Rate	155 L/H (42 GPH)
Cable Length	5 M (16.4 FT)

