

SOLAR FLOATING AIR PUMP USER'S MANUAL

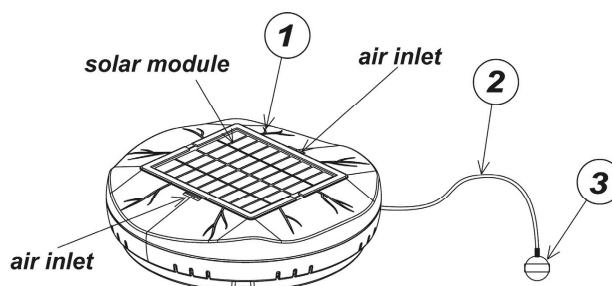
Item No.: XSCP-SOLARAIR

1. OVERVIEW

- 1) The solar air pump is designed for oxygenating the water to create a healthy environment in any outdoor water body that keeps fish, such as garden pond, outdoor aquarium, etc.
- 2) The air pump is embedded inside a floating housing and powered by a solar panel which is mounted on the top surface of the floating housing. The floating housing will float the air pump freely on the water when it oxygenates the pond.
- 3) The performance of the pump depends on the sunlight intensity and the incident angle at which sunlight strikes the panel surface.
- 4) The latest DC brushless motor technology is introduced in the air pump design and manufacturing, so that the air pump has high efficiency and long service life.
- 5) There is no ON or OFF switch available to start and stop the pump. Whenever the sunshine strike the solar panel the air pump operates.

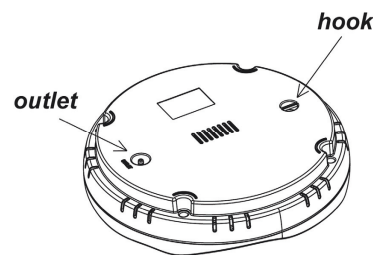
2. COMPONENTS

- 1) Solar floating air pump
- 2) Air hose
- 3) Spring



3. ASSEMBLING

- 1) Take out all components from the packaging and roll out the air hose.
- 2) Attach the spring stone onto an end of the air hose.
- 3) Connect the other end of the air hose to the outlet at the bottom of the pump housing.
- 4) Put the floating air pump in pond or any other water body, make sure the solar module is free in sunshine. Air bubbles now rises continuously from under water.
- 5) If the spring stone lies in the bottom of the water, shorten the hose and let the stone suspends in the water, otherwise it will be jammed quickly.
- 6) A special hook is provided on the bottom of the pump housing, if necessary, tie up the air pump by a rope, to prevent it from moving into shadow or leaving away from the ideal working position.



4. CAUTIONS

- 1) Any altering of the product itself or changing of the components voids warranty.
- 2) The air is sucked in through two gaps at the edge of the solar panel. The two air inlets may be blocked by obstructions such as leaves or debris, clean it and let the pump run with high efficiency.
Water will pass through the inlets and won't damage the pump.
- 3) Don't expose small components, such as spring stone, to little kids since they may swallow the small components and therefore be suffocated.
- 4) Do not strike the solar panel.

5. CLEANING AND MAINTENANCE

There is no need to maintenance the solar air pump regularly except the following two items:

- 1) Keep the surface of the solar module clean and wipe it with soft and moist cloth when necessary.
- 2) Check the spring stone from time to time and replace it with a new one if the spring stone is blocked.

6. TECHNICAL DATA

Solar module:	Air pump:
Power: 2 Wp Nominal voltage: 6.12 V Nominal current: 0.33 A Safety class: IP 44	Operating voltage: DC 6V Max flow rate: 2 LPM Max. air pressure: 500 mmHg Safety class: IP 44 Hose length: 0.5 m

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