

## Warranty

This KOOLATRON product is warranted to the retail customer for 90 days from date of retail purchase, against defects in material and workmanship.

### WHAT IS COVERED

- Replacement parts and labour.
- Transportation charges to customer for the repaired product.

### WHAT IS NOT COVERED

- Damage caused by abuse, accident, misuse, or neglect.
- Transportation of the unit or component from the customer to Koolatron.

### IMPLIED WARRANTIES

Any implied warranties, including the implied warranty of merchantability are also limited to the duration of 90 days from the date of retail purchase.

### WARRANTY REGISTRATION

Register on-line at [www.koolatron.com](http://www.koolatron.com) AND keep the original, dated, sales receipt with this manual.

### WARRANTY AND SERVICE PROCEDURE

If you have a problem with your PRODUCT, or require replacement parts, please telephone the following number for assistance:

**North America 1-800-265-8456**

Koolatron has Master Service Centres at these locations:

#### **Koolatron U.S.A.**

4330 Commerce Dr.  
Batavia, NY 14020-4102 U.S.A.

#### **Koolatron Canada**

27 Catharine Ave.  
Brantford, ON N3T 1X5 Canada

A Koolatron Master Service Centre must perform all warranty work.



## SOLAR CASCADING FOUNTAIN KIT



[www.koolatron.com](http://www.koolatron.com)

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Made in China

H1S108

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## CSFK-5 User Manual

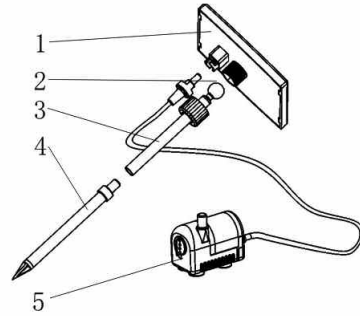
*Please Read These Instructions Carefully Before Use!*

## OVERVIEW

- The solar pump is designed for indoor or outdoor fountain use, and is powered by a solar panel. In order to make the pump work by solar energy, the solar panel needs to be placed in the sunlight facing the sun.
- The performance of the pump depends on the sunlight intensity and the orientation of the solar panel.

## COMPONENTS

- 1) Solar panel
- 2) Adjusting knob
- 3) Pole 1
- 4) Pole 2
- 5) Pump with plug



## TECHNICAL DATA

Peak Power of Solar Panel	1.5W
Operation Voltage	6V
Maximum Water Lift Height	0.75m (2.5 ft)
Maximum Flow Rate	175L (46.2 gal) / h
Cable Length	5m (16.4 ft)

## ASSEMBLING

1. Unpack all components carefully.
2. Find a suitable spot and place bowls on the stand.
3. Loop the tube from the top pitcher through the stand's small loops. See picture.
4. Place pump in the bottom bowl.
5. Connect the end of tube to the adapter on the top of the pump.
6. Connect the pump's cable to the assembled solar panel.
7. Fill bottom bowl with water, making sure the pump is fully submerged.
8. Place solar panel in direct sunlight.
8. The pump is now ready to operate.



## CLEANING AND MAINTENANCE

- If after some time the pump starts losing power or stops working, please clean up sediment in the pump shell or filter cribs.
- The pump can be opened by pressing down at the bottom of the filter housing. (see the photo below)
- To clear the impeller, open the pump housing at the front by sliding up the front plastic cover.
- The solar module should only be cleaned with soft tissue and glass cleaning solution.



## CAUTIONS

- Any altering of the product itself or changing of the components is forbidden.
- Operate the pump in freshwater or saltwater only (never above 30°C).
- Keep it away from flammable liquids.
- Do not strike the solar panel.
- Do not let the pump run dry.

## TROUBLESHOOTING

***Pump does not operate even though the solar panel is in full sunlight.***

- No connection to the solar module—check connection to the solar module.
- Impeller is blocked—to clean the pump, remove the front plate and the impeller, use a brush or water to remove any debris.

***Pump does operate but there is no water running through the tubes.***

- Clear the tube and the filter.