

DC brushless Water Pumps

Introduction:

This product uses the latest BLDC DC brushless motor technology, The motor built-in brushless and non-inductive intelligent driver chip, The motor rotor consists of a four-pole permanent magnet and drives the water pump.

Compared with pumps of the same class, this product is safer, smaller, more efficient and stable.

The pump body is made of non-metallic material and the motor shaft is made of high-strength ceramic material. The pump can be immersed in sea water, fresh water, and mildly corrosive liquid for a long time.

This pump has a wide operating voltage range, can realize variable voltage speed regulation, and can also be directly connected to solar panels.

Application field

Aquarium, aquarium equipment, aquaculture, garden landscaping, process water cycle, industry and home Electric water circulation.

Technical Parameters:

Model: SKD1000

Operating Voltage: DC 9V~24V

Maximum Voltage: DC 24V

Pmax: 10 W Qmax: 1000 L/h Hmax: 3.0m

Maximum diving depth: 1.5m

Protection level : IPX8

Pumping medium: normal temperature water / normal temperature light rot liquid

Power adapter matching guide:

Adapter voltage	Pump flow	Pump head	Pump current	Adapter current
DC 24V	1000 L/h	3.0m	0.4A	1.0A
DC 20V	800 L/h	2.2m	0.3A	0.5A
DC 18V	750 L/h	1.8m	0.3A	0.5A
DC 15V	650 L/h	1.3m	0.2A	0.5A
DC 12V	550 L/h	1.0m	0.2A	0.5A
DC 9V	450 L/h	0.8m	0.1A	0.5A

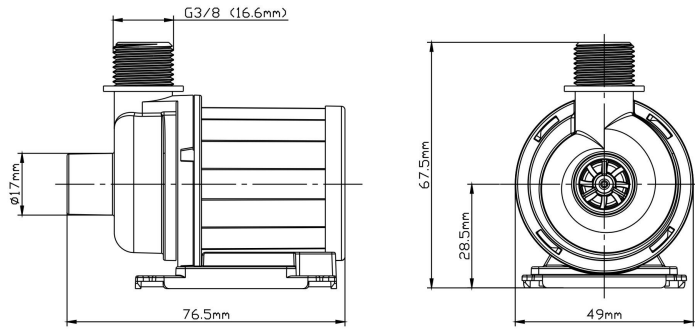
Product connection interface

DC power connector: 5.5mm*2.1mm

Pump inlet size: ϕ 17mm

Pump outlet Screw thread: G 3/8

Product Size:



Precautions:

1. This product can only be used in clean water. Please do not use to pump water with more sediment and slag. Please do not use it to pump flammable and highly rotted liquid.
2. The pump has a maximum diving depth of 1.5 m and is not recommended for long-term operation in water bodies above 35 °C.
3. Pump operation requires water to lubricate. Avoid running the pump for more than 1 minute in an environment without water.
4. To ensure electrical safety, check the wire connectors before applying power to ensure they are dry.
5. It is recommended to clean the inside of the pump regularly to extend the life of the pump. When disassembling the pump, please face the water inlet direction of the pump and rotate the pump head clockwise to disengage. When assembled, the pump head rotates in the opposite direction.

Fault phenomenon and treatment:

1. The pump does not run after power-on:
 1. 1 Please check if the adapter output voltage is within the allowable range of the product.
 1. 2 Please check if the adapter is damaged and the DC connector is not in contact.
 1. 3 Please check if there is any foreign matter in the pump, so that the pump rotor is stuck.
 1. 4 If the above faults still exist after removing the above factors, please return to the dealer to replace the new pump.
2. Abnormal sound or vibration during pump operation:
 2. 1 Please check if the adapter output voltage is within the allowable range of the product.
 2. 2 Please disassemble the pump to check if there is any foreign matter inhaled inside, causing the pump to run stuck; and clean the inside of the pump in time.