

200*200mm



Instruction Manual

Powerhead for Aquarium

WD500, WD800, WD1200

TENYON

Shenzhen Tenyon Technology Co., Ltd.

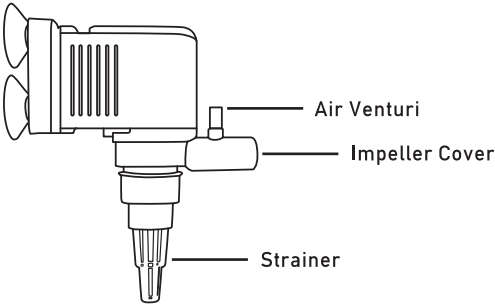
Thanks for buying our pump. To ensure you use the pump safely and correctly, please read carefully and thoroughly this instruction.

Please note that we are not responsible for any failure caused by misuse or improper maintenance. Save this instruction for future use.

Important Safety Cautions

1. Please operate the appliance under the rated voltage and frequency indicated on the rating label or instruction manual.
2. A 10mA or 30mA residual current device must be fitted to the mains supply.
3. The power cord is not replaceable. If the power cord or the plug is found hurt or damaged, or the plug is found aged, stop using the pump immediately. Return the pump to the retailer/distributor for disposal, or dispose it by yourself.
Do not attempt to shorten the power cord, or to remove the plug. Failure to meet this point may cause damage to the pump.
4. If abnormal smell or noise is found to the pump, unplug it immediately and check the cause. Contact your retailer / distributor if needed.
5. Make sure your hand and the plug is dry when plug in or unplug the pump. It is forbidden to plug or unplug the pump with a wet hand as this might cause electric shock.
6. Unplug the pump before installation and cleaning. Don't pull the power cord abruptly. To unplug, grasp the plug and pull it out from the receptacle.
7. Protect properly the pump. If severe collision happens to the pump, check if there is any damage. If there is any breakage, stop using the pump and destroy it.
8. Do not let the pump run dry as this will damage the rotor and will cause over-heating of the motor.
9. Do not operate or leave the pump in freezing conditions.
10. Do not use the pump in inflammable or corrosive liquids. The pump should work in the environment less than 40℃ (104F).

Product Structure Diagram



Installation

1. Take out the pump and the accessories from the package. Make sure there is no parts missed.
2. Press to install the strainer to the impeller cover.
3. If you want to inceased oxygen supply in the aquarium, Take off the cap on the air venturi, Fit the air tubing to the air venturi. Make sure the fitting is tight.
4. Attach the air tubing to the power cord with the X shape clip.
5. Adjust the air flow with the regulator at the end of the air tubing.

Maintenance

This pump is free from lubricants or special maintenance. However, to keep the pump operates in the best condition, regular maintenance and cleaning is needed.

Do not pull the power cord to lift the pump as this may cause damage. It is recommended to fit a lifting cord to the pump when the pump is installed in deep water.

To clean the pump,

1. Take of the air tubing from the air venturi.
 2. Remove the impellor cover by turning left or right to rele ase the lock. Gently pull away the impeller cover from the motor body.
 3. Carefully take out the impellor/rotor assembly.
 4. Wash out all of the components in clean water. Do not use detergents or other chemical cleaners.
 5. Reassemble the pump in the reverse order.
- Clean the pump at least once a month. More frequent cleaning might be needed depending on the water condition.
 - For wearing parts like the impellor kit, approach the local retailer/distributor for replacement. You need to pay for the wearing parts if the pump has been used for over 1 year.

Troubleshooting

The pump doesn't pump water

- The pump is not started up.
- The power doesn't match the voltage and frequency specified on the pump.
- Water inlet or outlet is blocked.
- Impellor or rotor is damaged.

Water flow is reduced

- The voltage is lower than the rated.
- Water inlet or outlet is partially blocked.
- Wastes are accumulated in the filtering system.

The pump is noisy

- Water inlet is partially blocked.
- Water level is lower than the inlet of the pump. Air enters into the pump to cause noise.
- Rotor is worn (need to be replaced)

Seek for your local retailer / distributor's help if the above troubleshooting can't resolve the problems.

ART.NO.	MODEL	FREQ./VOLT.	POWER	MAX FLOW	MAX HEAD HEIGHT
10008	WD500	120V/60Hz	4.8W	135GPH	2.5ft
10009	WD800	120V/60Hz	10.5W	210GPH	4.2ft
10010	WD1200	120V/60Hz	12W	265GPH	4.6ft