

VIVOSUN

Designed by **VIVOSUN** in California.
Made in China



Submersible Water Pump
USER MANUAL

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what
you
grow™

Welcome to **VIVOSUN**

Thank you for choosing VIVOSUN. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.

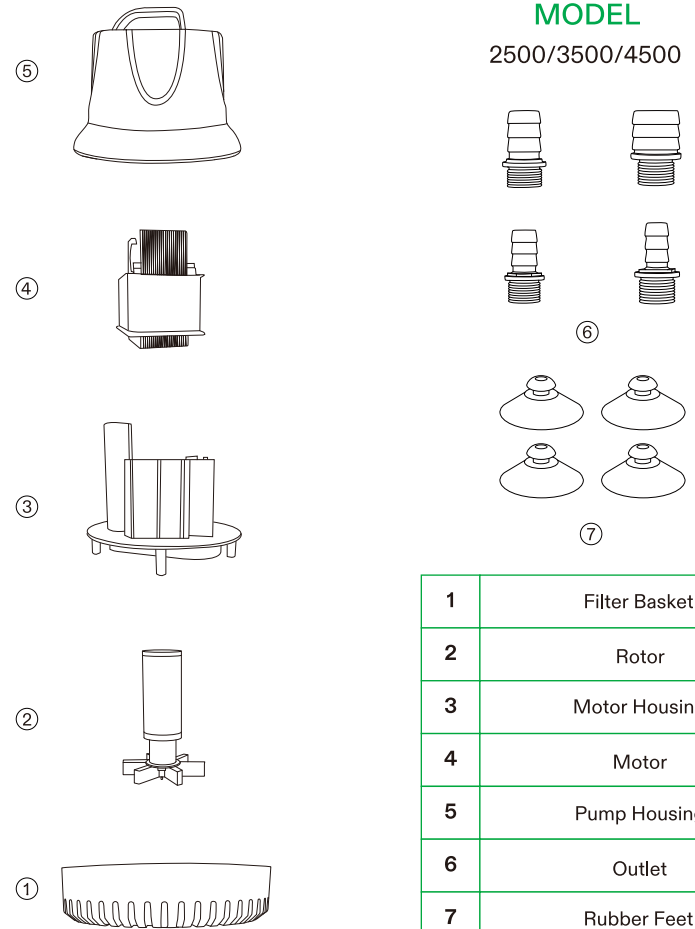
PRODUCTS INCLUDED IN THIS MANUAL:

Product	SKU
Submersible Water Pump 40W	332582-40
Submersible Water Pump 60W	332582-60
Submersible Water Pump 100W	332582-100

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PARTS LIST



1	Filter Basket
2	Rotor
3	Motor Housing
4	Motor
5	Pump Housing
6	Outlet
7	Rubber Feet

RATED SPECIFICATIONS

MODEL	POWER	H-MAX	Q-MAX
2500	40W	8.2 ft.	660 gph
3500	60W	9.2 ft.	850 gph
4500	100W	11 ft.	1150 gph

HI THERE

Thank you for choosing VIVOSUN for your water pumping needs. Please read these operation instructions and familiarize yourself with the equipment before using the device – this will save you time, energy, and money. Correct and safe use of the system requires strict compliance with the safety instructions. For safety reasons children and young people under 16 years of age, as well as people that cannot recognize potential hazards, or people that are not familiar with these instructions, should not use this device.

APPLICATIONS

This product is designed for pumping water and can be applied to various situations. It is:

- Suitable for fish tanks, skimming equipment, aquarium landscaping, fountains, waterways, waterfalls.
- Suitable for seafood holding tanks, aquarium circulation, drainage.
- Suitable for watering gardens or cleaning equipment.

FEATURES

- This product includes thermal protection against an overheated motor – any abnormal operation caused by overheating will cause the motor to shut off automatically. Principle: Dry running operation will increase motor temperature, then the pump will automatically shut down, but the motor will restart after the temperature goes down, therefore, when the motor automatically turns off due to overheating we must cut off the power immediately. This function can effectively reduce the damage caused by dry running.
- This product uses a uniquely-designed motor and pump body structure to reduce noise and power consumption while extending the lifespan of the device.
- Low water level design. Minimum water level should be about 1cm.
- With bottom suction trainer this pump is 100% submersible.
- It can pump both fresh water and salt water.
- It uses a ceramic shaft, which increases its longevity.
- The water intake is protected to help ensure that the device does not get clogged.

HOW TO USE

- Place the pump in a suitable location. Please attach the rubber pads to the bottom plate while laying the unit flat on a stable surface to absorb noise and vibration. If you're concerned about vibration or movement, you can screw the unit to a surface.
- Then connect the pump to a suitable outlet and connect it to the hose.
- Once it is firmly attached, connect the appropriate power supply and the pump will begin to operate.

CAUTIONS

- Before using this pump, please ensure that the rated voltage marked on the nameplate and the actual voltage of your home are compatible.
- This aquarium pump is submersible. Please be sure the equipment is submerged completely in water.
- If the water pump is clogged with anything like mud, garbage, sea salt, etc. Please clean it with clean water before using it again.
- When installing the device, removing, or cleaning the pump, please unplug the pump to ensure your safety.
- If the pump has been in a serious collision, please examine the pump. If it is broken, please discontinue use immediately.
- This pump is not intended to be moved when plugged in or is operating.
- The supply cord cannot be replaced. If the cord is damaged, the device must be disposed of properly.
- The operation temperature range: 40-95°F

MAINTENANCE

- If you do not plan to use the pump for an extended amount of time, please take the pump out of the water and let the pump operate in clean water for 2 minutes, and then clean the pump components with a microfiber cloth and store the pump in a cool, dry place.
- If the temperature is below 0°C, please take the water pump out of the water immediately and discharge the accumulated water so that no excess liquid is inside. Frozen water may damage the pump.

TROUBLESHOOTING

Malfunction	Cause	Solving Measures
Pump do not run	No power supply	Turn power on
	The plug is not inserted correctly	Plug in firmly
	The motor cut on the power supply automatically not inserted correctly	Use under normal conditions
Pump noise	Dirty inside	Clean pump
Pump water shortage	Impeller damage	Change the impeller
	Inlet and outlet obstruction	Clean and relink to power
	Filter case obstruction	Clean and relink to power
	Under voltage	Adjust voltage