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Boxtech 25w - 397GPH - 6.56Ft High Lift

Boxtech 396 GPH Fountain Pump User Manual

Model: 25w - 397 GPH - 6.56 Ft High Lift

1. INTRODUCTION

Thank you for choosing the Boxtech 396 GPH Fountain Pump. This versatile 25W submersible water pump is designed for a wide range of aquatic applications, including aquariums, fish tanks, ponds, fountains, and hydroponic systems. Its efficient design ensures reliable water circulation and high lift performance. This manual provides detailed instructions for safe installation, operation, and maintenance to ensure optimal performance and longevity of your pump.



Image 1.1: Overview of the Boxtech Multifunctional Submersible Pump.

2. SAFETY INFORMATION

- Always disconnect the power supply before handling, installing, or performing maintenance on the pump.
- Ensure the pump is fully submerged in water when operating in submersible mode to prevent overheating and damage.
- Do not operate the pump dry. Dry running can cause severe damage and void the warranty.
- Check the power cord for any damage before each use. Do not use if the cord is frayed or damaged.
- This pump is designed for use with freshwater or saltwater. Do not use with flammable or corrosive liquids.
- Keep out of reach of children.
- Ensure the electrical outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).

3. PACKAGE CONTENTS

Verify that all components are present and in good condition upon opening the package:

- 1 x Boxtech 25W Submersible Water Pump
- 3 x Outlet Nozzles (0.51"/0.63"/0.75")
- 1 x Inlet Nozzle (0.75")



Image 3.1: The Boxtech pump and its various nozzle attachments.



Image 3.2: Detailed view of the different nozzle interface sizes.

4. PRODUCT OVERVIEW

The Boxtech pump features a compact design with a durable plastic housing and a ceramic shaft for extended lifespan and corrosion resistance in both fresh and saltwater environments. It offers a maximum flow rate of 397 GPH and a maximum lift height of 6.56 feet, making it suitable for various water circulation needs.

Key Features:

- **Amphibious Use:** Can be operated fully submerged or in land-based mode.
- **Adjustable Flow Rate:** A knob on the side allows for precise control of water volume.
- **Multi-functional:** Capable of water addition, water changing, circulation, and fish waste suction.
- **Quiet Operation:** Designed for low noise and vibration.
- **Durable Construction:** Features an all-copper core motor and ceramic shaft for reliability.

25W

Head: 6.56Ft (2M)

F.Max: 397GPH (1500L/H)

Outlet: Φ 0.51/0.62/0.74IN

Inlet: 0.74IN

Thread Length: 55IN

Size: 4.5×2.5×3.1IN

Interface Size



0.51"

0.62"

0.74"



Image 4.1: Detailed view of the 25W pump highlighting its dimensions and performance.



Image 4.2: Illustration of the pump's three primary functions: side suction, bottom suction, and land/water use.



Image 4.3: Diagram illustrating the durable all-copper core motor for long service life.

5. SETUP

5.1 Submersible Mode Installation

1. Select the appropriate outlet nozzle (0.51", 0.63", or 0.75") based on your desired flow and connect it to the pump's outlet.
2. For bottom suction, ensure the bottom suction port cover is securely attached. For side suction, ensure the side intake is clear.
3. Place the pump completely into the water, ensuring it is fully submerged before connecting to power.

Submersible Mode:

High-strength ceramic core Hardness is higher than ordinary stainless steel core more wear-resistant freshwater and seawater are suitable for a long time in the water will not be subject to corrosion;
(Pumps need to be completely immersed in the water to use)



Image 5.1: Visual guide for setting up the pump in submersible mode, showing both bottom and side suction options.

5.2 Land Use Mode Installation

The pump can also be used outside of water for specific applications, such as transferring water between containers.

1. Connect the 0.75" inlet nozzle to the pump's inlet port.
2. Attach hoses to both the inlet and outlet nozzles as required for your setup.
3. **Important Note:** When using the land mode, the pump must first be completely submerged in water to activate. Once water flows through the outlet, you can then remove the pump from the water and place it on land for continued operation. This primes the pump and prevents dry running.

Land use mode

Connect two hoses for use on land.



Image 5.2: Illustration of the pump configured for land use mode, showing hose connections.

5.3 Video Guide: Setup and Operation

Video 5.1: This video demonstrates the installation of the bottom suction port, replacement of the water inlet for land use, and shows the pump operating in both submersible and land modes, including flow rate adjustment.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Flow Rate

The Boxtech pump features an adjusting knob on the side, allowing you to control the water flow rate. Rotate the knob to increase or decrease the flow as needed for your specific application.

MAX



MIN



Rotationally Regulated flow

(Side suction only)

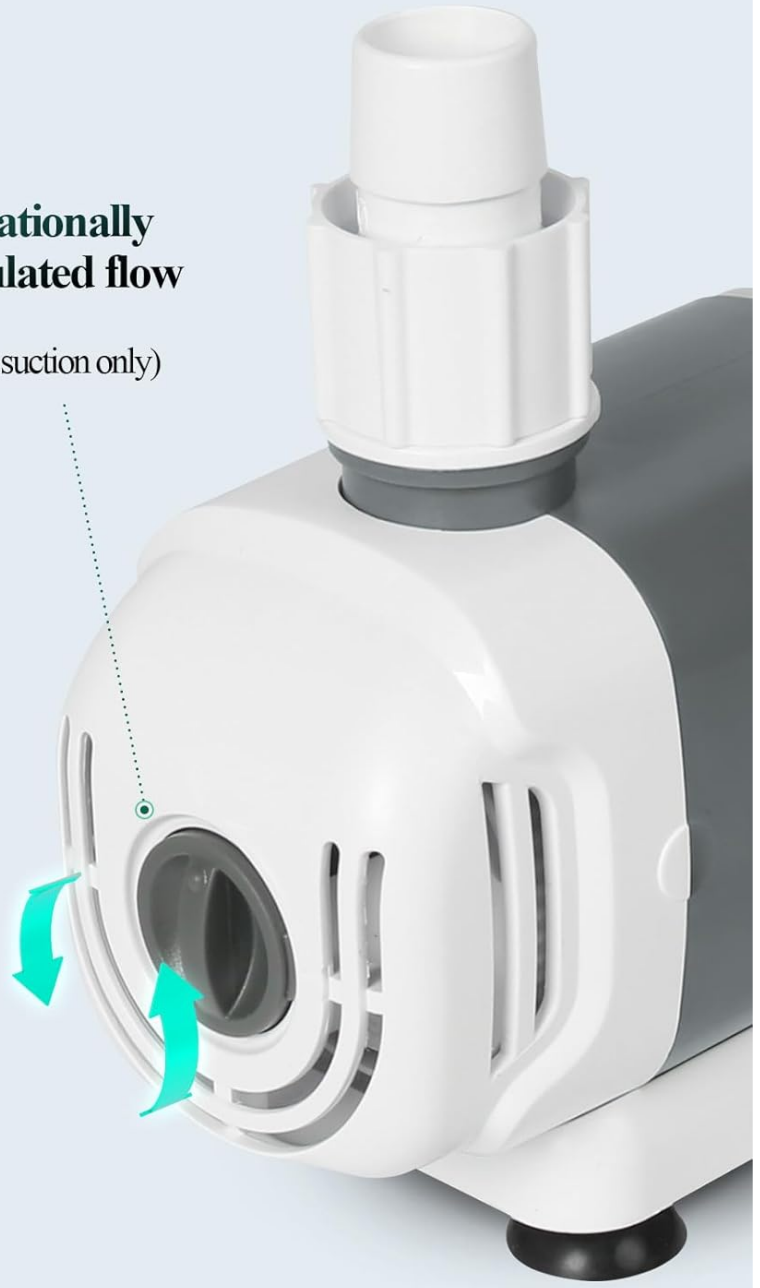


Image 6.1: Close-up of the pump showing the rotational knob for flow rate adjustment.



Image 6.2: Diagram illustrating how the rotational knob regulates water flow.

6.2 Applications

This pump is suitable for a wide variety of uses:

- **Aquariums & Fish Tanks:** For water circulation and filtration.
- **Ponds & Waterfalls:** To create continuous water flow and features.
- **Fountains:** Ideal for garden statuary and decorative water features.
- **Hydroponic Systems:** For circulating nutrient solutions.



Wide Application



Image 6.3: Examples of the pump's wide range of applications, including aquariums, small ponds, garden fountains, and swimming pools.

7. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Boxtech pump.

- 1. Regular Cleaning:** Disconnect the pump from power. Remove the intake cover and impeller assembly. Clean any debris, algae, or mineral buildup from the impeller, shaft, and pump housing. A small brush can be used for hard-to-reach areas.
- 2. Check for Blockages:** Ensure the inlet and outlet nozzles are free from obstructions. Debris blockage can significantly reduce flow rate and damage the pump.
- 3. Inspect Components:** Periodically check the power cord for any signs of wear or damage. Ensure all connections are secure.
- 4. Submersion:** Always ensure the pump is fully submerged during operation to prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not operate	No power; Impeller jammed; Damaged motor.	Check power connection and GFCI. Clean impeller and housing. If motor is damaged, contact support.
Reduced flow rate	Clogged intake/outlet; Impeller dirty; Air in pump (land mode).	Clean intake/outlet and impeller. For land mode, ensure pump was primed by submerging it first.
Pump is noisy	Debris in impeller; Not fully submerged; Worn parts.	Clean impeller. Ensure full submersion. If noise persists, inspect for worn components.
Pump stops intermittently	Overheating (dry running); Power supply issues.	Ensure pump is fully submerged. Check power connection stability.
Physical damage upon receipt	Shipping damage; Manufacturing defect.	Contact Boxtech customer support immediately with proof of purchase and images of damage for replacement or refund.

9. SPECIFICATIONS

Specification	Detail
Brand	Boxtech
Model Number	25w - 397GPH - 6.56Ft High Lift
Power Source	AC Powered
Wattage	25 watts
Voltage	110 Volts (AC)
Maximum Flow Rate	397 GPH (1500 Liters Per Hour)
Maximum Lifting Height	6.56 Feet (2 Meters)
Material	Plastic
Item Weight	1.56 pounds (708 Grams)
Included Components	1 pcs water pump, 3 outlet nozzles and 1 inlet nozzle

High head No false alarms

Stable and continuous flow

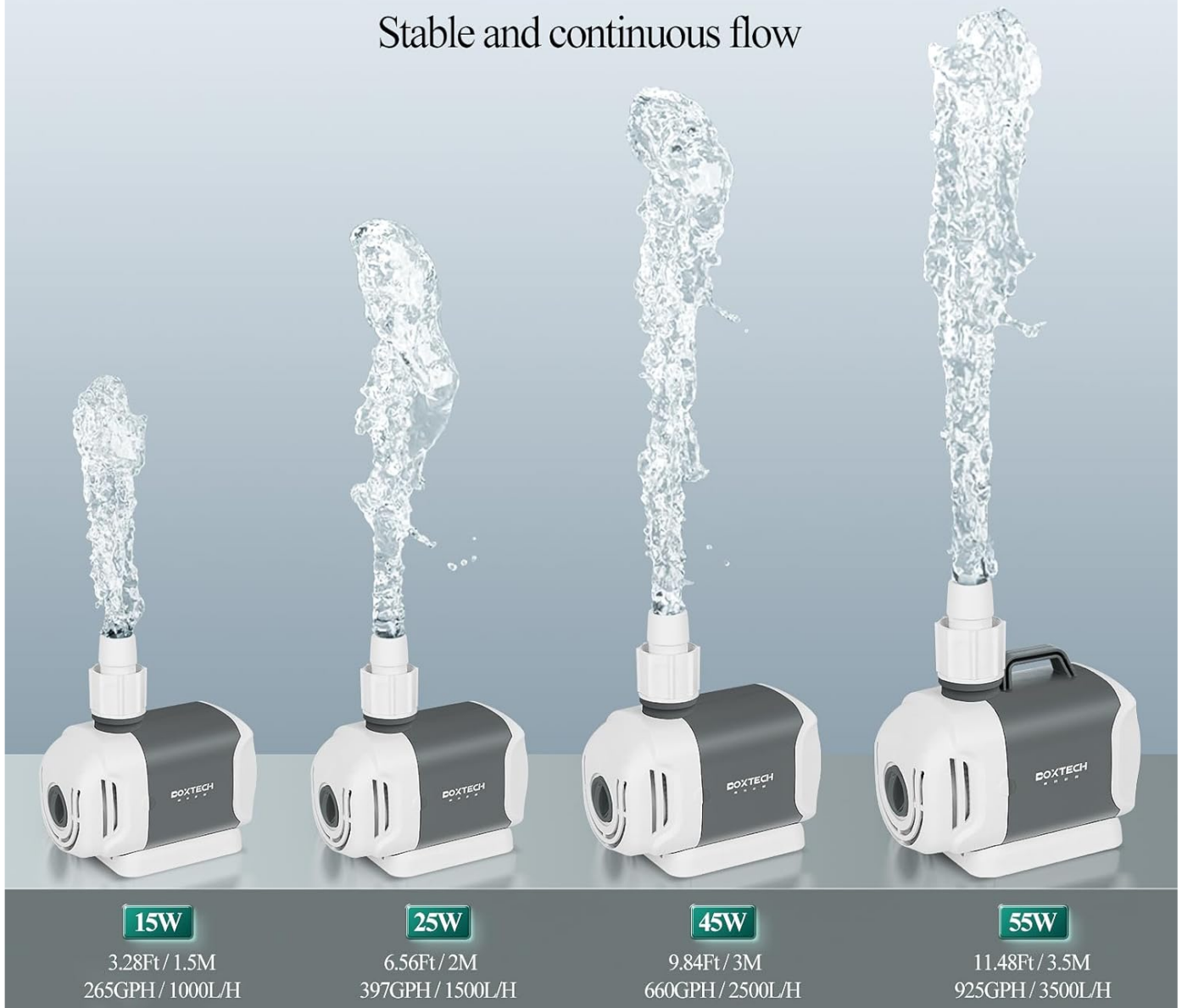


Image 9.1: Visual comparison of different Boxtech pump models and their respective specifications.

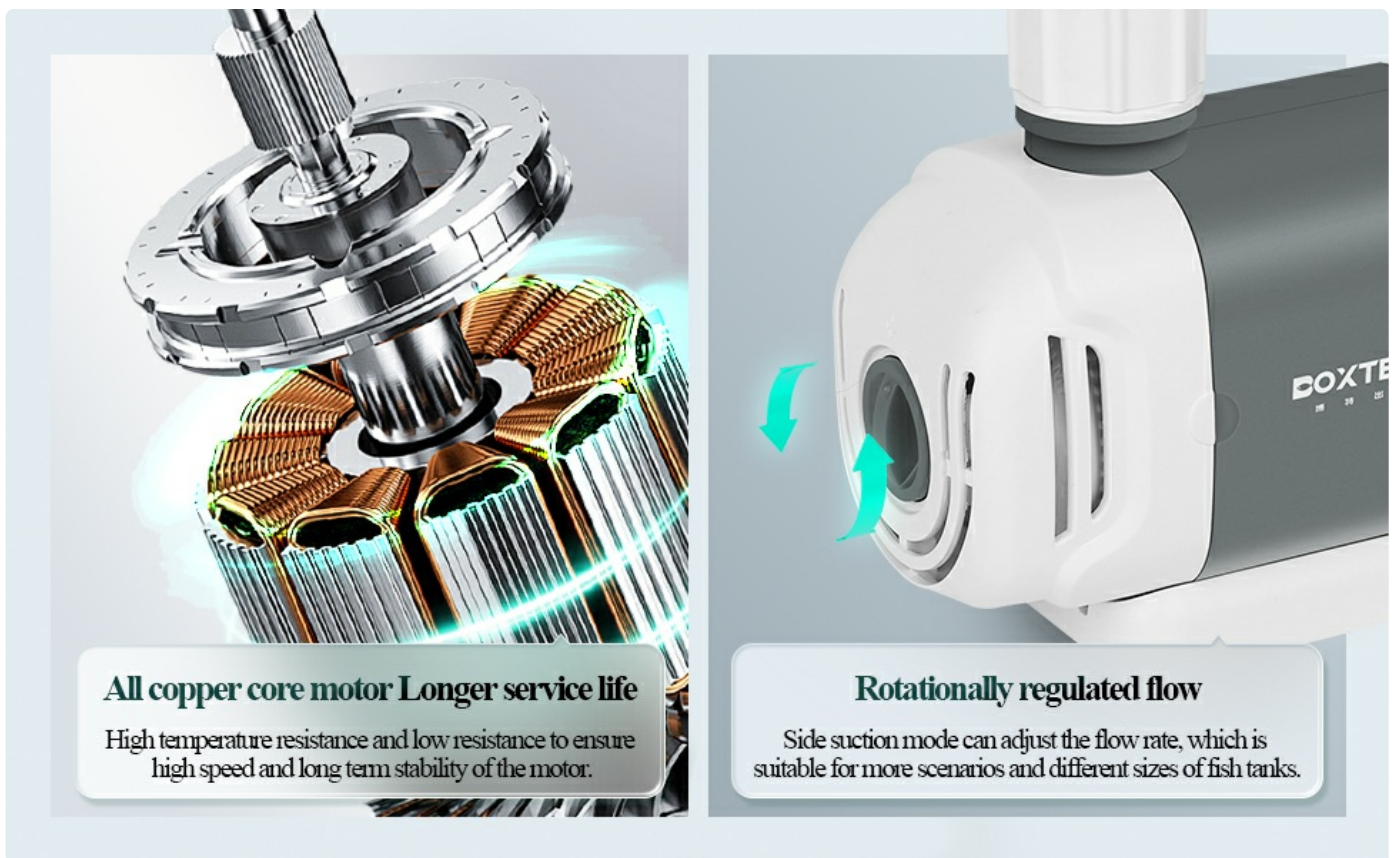


Image 9.2: Detailed table outlining specifications for various Boxtech pump models (BT-P01 to BT-P05).

10. WARRANTY AND SUPPORT

Boxtech is committed to providing high-quality and reliable products. For any product-related inquiries, technical support, or warranty claims, please contact our customer service team.

Contact Email: aquariumfilter@163.com

Please provide your purchase details and a description of the issue when contacting support to facilitate a quicker resolution.

