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Jebao FA-2000

Jebao FA-2000 530GPH Submersible Fountain Pump User Manual

Model: FA-2000

1. INTRODUCTION

The Jebao FA-2000 submersible pump is designed for various water garden applications, including powering pond filters, creating water fountains, waterfalls, and for use in hydroponic and aquaponic systems. This pump features an energy-efficient magnetic drive and a durable ceramic shaft rotor for reliable and quiet operation.

This manual provides essential information for the safe installation, operation, and maintenance of your Jebao FA-2000 pump.



Image: The Jebao FA-2000 submersible pump, showing its compact design and power cord.

2. SAFETY INSTRUCTIONS

WARNING: To avoid serious injury, basic safety precautions should be observed, including the following:

- Read all instructions carefully before installation and use.
- This pump is designed for submersible use only. Do not operate dry.
- Connect to a properly grounded, ground fault circuit interrupter (GFCI) protected outlet.
- Do not operate if the power cord or plug is damaged. Do not cut the power cord.
- Ensure the voltage and frequency of the power supply match the pump's specifications (120V, 60Hz).
- Always disconnect the power supply before performing any maintenance or cleaning.
- Do not lift the pump by its power cord.
- Keep children and pets away from the pump and water feature during operation.
- This pump is suitable for fresh water applications only.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Jebao FA-2000 Submersible Pump
- Hose Adapters (various sizes)
- User Manual (this document)



Image: Jebao FA-2000 pump, three hose adapters, and the included owner's manual.

4. SETUP AND INSTALLATION

1. 4.1 Choose a Location

Place the pump in the deepest part of your pond or water feature, ensuring it is fully submerged. The pump's suction cups on the base can be used to secure it to a smooth, flat surface to prevent movement.

2. 4.2 Connect Hose Adapters

Select the appropriate hose adapter for your tubing size. Thread the adapter onto the pump's outlet. Ensure a tight connection to prevent leaks. For flexible tubing, use a hose clamp (not included) for added security.



Image: The Jebao FA-2000 pump with a barbed hose adapter installed on the top outlet.

3. 4.3 Electrical Connection

Route the power cord to a GFCI-protected electrical outlet. Ensure there is a drip loop in the cord to prevent water from traveling along the cord to the outlet. Do not plug in the pump until it is fully submerged in water.

5. OPERATING INSTRUCTIONS

1. 5.1 Initial Start-up

Once the pump is fully submerged and all connections are secure, plug the pump into the GFCI-protected outlet. The pump should start immediately, circulating water.

2. 5.2 Continuous Operation

The Jebao FA-2000 pump is designed for continuous operation. Monitor water levels to ensure the pump remains fully submerged at all times. Running the pump dry will cause damage and void the warranty.

3. 5.3 Shutting Down

To turn off the pump, simply unplug it from the electrical outlet.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump. Always disconnect power before maintenance.

1. 6.1 Cleaning the Impeller

Over time, debris can accumulate around the impeller, reducing pump performance. To clean:

- Unplug the pump from the power source.

- Remove the pump from the water.
- Carefully remove the front cover/intake screen.
- Gently pull out the impeller assembly.
- Clean the impeller and its housing with a soft brush and clean water. Remove any debris, algae, or mineral deposits.
- Reassemble the pump, ensuring all parts are securely in place.

2. 6.2 Winterization (if applicable)

If operating in freezing climates, remove the pump from the water before temperatures drop below freezing. Clean the pump thoroughly and store it in a frost-free location, fully submerged in a bucket of water or completely dry.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or runs intermittently.	No power to the pump. Impeller is jammed with debris. Pump is running dry.	Check power connection and GFCI outlet. Disconnect power, remove impeller cover, and clean impeller. Ensure pump is fully submerged.
Reduced water flow.	Impeller or intake screen is clogged. Hose is kinked or obstructed. Water level is too low.	Disconnect power, clean impeller and intake screen. Check and clear any obstructions in the hose. Add water to ensure pump is fully submerged.
Pump is noisy.	Impeller is damaged or worn. Debris in impeller housing. Pump is not fully submerged.	Inspect and replace impeller if necessary. Disconnect power, clean impeller housing. Ensure pump is fully submerged.

8. SPECIFICATIONS



Image: Top view of the Jebao FA-2000 pump, showing the product label with electrical specifications.

Model Number:	FA-2000
Maximum Flow Rate:	530 GPH (Gallons Per Hour)
Maximum Head:	8.0 ft
Power:	35W
Voltage:	120V
Current:	0.64A
Frequency:	60Hz
Dimensions (L x W x H):	3.75 x 3 x 4.5 inches
Item Weight:	2.1 pounds
Material:	Plastic
Style:	Submersible
Power Source:	Corded Electric

9. WARRANTY INFORMATION

Jebao products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, neglect, unauthorized modifications, or running the pump dry.

For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact customer support.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report a problem with your Jebao FA-2000 pump, please contact our customer support team.

- **Website:** www.jebao.com (Example link, actual link may vary)
- **Email:** support@jebao.com (Example email, actual email may vary)
- **Phone:** 1-800-XXX-XXXX (Example number, actual number may vary)

When contacting support, please have your pump model number (FA-2000) and purchase date available.