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› Blue Thumb Small Mag-Drive 370 GPH Fountain Pump (Model PB2552) User Manual

Blue Thumb PB2552

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Your guide to installation, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the Blue Thumb Small Mag-Drive 370 GPH Fountain Pump, Model PB2552. This pump is designed for reliable and energy-efficient operation in various water features, including fountains, ponds, and waterfalls. It features a magnetic drive motor, adjustable flow rate, and is suitable for both submerged and inline applications, indoors or outdoors.

Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your pump.

2. SAFETY INSTRUCTIONS

- Always disconnect power before performing any maintenance or installation.
- Ensure the pump is fully submerged when used in submerged applications to prevent overheating.
- Do not run the pump dry.
- Use only with a properly grounded electrical outlet.
- Inspect the power cord regularly for damage. Do not use if the cord is damaged.
- Keep children and pets away from the water feature during operation.

3. SETUP AND INSTALLATION

The Blue Thumb Small Mag-Drive pump can be installed either submerged in water or inline (outside the water source, but still requiring water flow).

3.1 Submerged Installation

1. Place the pump on a stable, level surface at the bottom of your pond or fountain. Ensure it is positioned to draw water effectively and is fully submerged.
2. Connect the appropriate hose size to the pump's outlet. The pump includes a multi-size hose adapter for 1/2", 3/4", and 1" tubing. Trim the adapter to the desired size.

3. Route the power cord safely to a grounded electrical outlet, ensuring a drip loop is formed to prevent water from traveling along the cord to the outlet.
4. Plug in the pump.



Figure 1: Blue Thumb Small Mag-Drive 370 GPH Fountain Pump showing hose connection sizes (1/2", 3/4", 1").



Figure 2: Front view of the Blue Thumb Small Mag-Drive 370 GPH Fountain Pump.

3.2 Inline Installation

For inline use, the pump must be placed below the water level of the source to ensure a flooded suction. Consult a plumbing professional if unsure about inline setup.

1. Connect the inlet of the pump to the water source using appropriate plumbing.
2. Connect the outlet of the pump to your water feature.
3. Ensure all connections are watertight.
4. Prime the pump by ensuring water fills the pump housing before starting.
5. Route the power cord safely to a grounded electrical outlet.
6. Plug in the pump.

4. OPERATING INSTRUCTIONS

Once installed and connected to power, the pump will begin operating. The flow rate can be adjusted to fine-tune the water output for your specific feature.

- **Adjustable Flow Rate:** Locate the flow control knob on the pump (if present, typically on the front or side). Rotate it to increase or decrease the water flow as desired.
- **Energy Efficiency:** This pump utilizes an energy-efficient magnetic drive motor, consuming less power compared to many traditional pumps.



Figure 3: Blue Thumb Small Mag-Drive 370 GPH Fountain Pump, showing the general design and potential location of a flow control knob.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump.

1. **Disconnect Power:** Always unplug the pump before performing any maintenance.
2. **Clean Pre-Filter:** The pump is equipped with a removable pre-filter. Periodically remove and clean it to prevent blockages and maintain flow. Rinse with clean water.
3. **Inspect Impeller:** The pump features replaceable ceramic shaft impellers. If flow decreases significantly or the pump makes unusual noises, the impeller may be clogged or worn. Remove the pump housing cover and inspect the impeller for debris or damage. Clean or replace as necessary.
4. **Winterization:** In freezing climates, remove the pump from the water feature before the first freeze. Clean it thoroughly and store it in a frost-free location submerged in a bucket of water to keep seals moist, or follow

manufacturer's specific winterization guidelines.

6. TROUBLESHOOTING

If your pump is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Pump does not start or runs intermittently.	No power; clogged impeller; damaged impeller; motor failure.	Check power connection and outlet. Disconnect power, clean pre-filter and impeller. Inspect impeller for damage and replace if necessary. If issues persist, contact support.
Reduced water flow.	Clogged pre-filter or impeller; kinked tubing; low water level; flow control set too low.	Clean pre-filter and impeller. Check tubing for obstructions. Ensure adequate water level in the feature. Adjust flow control knob.
Pump is noisy.	Debris in impeller; pump not fully submerged (submerged use); impeller worn or damaged.	Disconnect power, clean impeller. Ensure pump is fully submerged. Inspect and replace impeller if worn.
Pump stops working after a short period.	Overheating due to low water level or running dry; electrical issue.	Ensure pump is always fully submerged. Check for proper ventilation if inline. Verify electrical connections.

7. SPECIFICATIONS

Feature	Detail
Brand	Blue Thumb
Model Number	PB2552
Flow Rate	370 Gallons Per Hour (GPH)
Maximum Lifting Height	7.6 feet
Power Source	Corded Electric
Material	Plastic
Style	Submersible (also suitable for inline use)
UPC	852366002552

Figure 4: Blue Thumb Mag-Drive pumps showing various sizes. This manual pertains to the "Small" model.

Figure 5: Example application of a Blue Thumb pump in a pond and waterfall setting.

8. WARRANTY INFORMATION

The Blue Thumb Small Mag-Drive 370 GPH Fountain Pump (Model PB2552) comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For warranty service, please contact Blue Thumb customer support.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact Blue Thumb customer support through their official website or the retailer where the product was purchased.

For more information, visit the [Blue Thumb Store on Amazon](#).

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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