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Danner 02670

Danner 4800 GPH Pro Hy-Drive Pumps 02670 Instruction Manual

Model: 02670

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INTRODUCTION

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Danner 4800 GPH Pro Hy-Drive Pump, model 02670. This submersible pump is designed for continuous duty in water garden and pond applications, offering reliable water circulation and filtration support. Please read this manual thoroughly before use to ensure optimal performance and longevity of your pump.

1. SETUP

1.1 Unpacking

Carefully remove the pump and all accessories from the packaging. Inspect all components for any signs of damage during transit. If any damage is observed, do not proceed with installation and contact your retailer.

1.2 Component Identification



Figure 1: Danner 4800 GPH Pro Hy-Drive Pump. Note the threaded inlet and outlet ports, and the stable base for submersible placement.

- **Pump Body:** The main housing containing the motor and impeller.
- **Inlet Port:** The opening where water enters the pump (typically larger, often at the front/side).
- **Outlet Port:** The threaded connection where water exits the pump (typically at the top).
- **Base:** Provides stability for placement on a flat surface within the pond.
- **Power Cord:** Connects the pump to an electrical outlet.

1.3 Placement

The Danner 4800 GPH Pro Hy-Drive Pump is designed for submersible use only. Place the pump on a stable, level surface at the bottom of your pond or water feature. Ensure the pump is fully submerged in water before connecting to power. Avoid placing the pump directly in heavy sludge or debris, which can clog the intake.

1.4 Connections

1. **Hose Connection:** Attach appropriate tubing or piping to the threaded outlet port of the pump. Use thread sealant tape (Teflon tape) for a watertight seal. Ensure the hose is securely clamped to prevent leaks.
2. **Electrical Connection:** Before connecting the pump to power, ensure your electrical outlet is a properly grounded, GFCI (Ground Fault Circuit Interrupter) protected receptacle. Do not use extension cords. The power cord should be routed to prevent tripping hazards and protected from damage.

2. OPERATING INSTRUCTIONS

2.1 Initial Startup

Once the pump is fully submerged and all connections are secure, plug the pump into the GFCI-protected electrical outlet. The pump should start immediately, circulating water. Observe the water flow to ensure it is consistent and free of air bubbles, which may indicate an airlock or insufficient water level.

2.2 Continuous Operation

This pump is designed for continuous duty. Ensure the water level in your pond or water feature remains adequate to keep the pump fully submerged at all times. Running the pump dry will cause severe damage and void the warranty.

2.3 Safety Precautions

- Always disconnect power to the pump before performing any maintenance, cleaning, or handling the pump.
- Never operate the pump out of water.
- Do not lift or carry the pump by its power cord.
- Ensure the electrical outlet is GFCI protected.
- Keep children and pets away from the pump and electrical connections.

3. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Danner pump.

3.1 Regular Cleaning

1. **Disconnect Power:** Always unplug the pump from the electrical outlet before beginning any cleaning.
2. **Remove from Water:** Carefully remove the pump from the pond.
3. **Inspect Intake:** Check the pump's intake screen for debris such as leaves, algae, or sludge. Clean thoroughly with a brush and water.
4. **Impeller Access:** Depending on the pump design, you may need to remove a few screws to access the impeller chamber. Gently remove any accumulated debris from around the impeller and its housing. Be careful not to bend the impeller shaft.
5. **Rinse:** Rinse all components with clean water. Do not use harsh chemicals or abrasive materials.
6. **Reassemble:** Reassemble the pump carefully, ensuring all seals are properly seated.

Frequency of cleaning depends on the pond environment; typically, every 2-4 weeks during active seasons, or when reduced flow is observed.

3.2 Winterization

In regions where water freezes, it is essential to remove the pump from the pond before freezing temperatures set in. Clean the pump thoroughly as described above, and store it in a frost-free location, submerged in a bucket of water to keep seals moist, or completely dry if recommended by Danner's specific guidelines (check product packaging or Danner's official website for model-specific winterization advice).

4. TROUBLESHOOTING

Before attempting any troubleshooting, always disconnect the pump from the power supply.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump does not start or run.	<ul style="list-style-type: none"> No power to the outlet. GFCI tripped. Impeller jammed by debris. Motor failure. 	<ul style="list-style-type: none"> Check power supply and circuit breaker. Reset GFCI. Disconnect power, remove pump, and clean impeller chamber. Contact Danner support if motor failure is suspected.
Reduced water flow.	<ul style="list-style-type: none"> Clogged intake screen. Debris in impeller chamber. Kinked or blocked tubing. Insufficient water level. 	<ul style="list-style-type: none"> Disconnect power, remove pump, clean intake screen. Clean impeller and housing. Inspect and clear tubing. Add water to the pond to ensure full submersion.
Pump is noisy.	<ul style="list-style-type: none"> Debris in impeller. Pump not fully submerged. Worn impeller or shaft. 	<ul style="list-style-type: none"> Disconnect power, clean impeller. Ensure pump is fully submerged. Contact Danner support for replacement parts if wear is evident.

5. SPECIFICATIONS

Feature	Detail
Model Number	02670 (B006OP4MRM)
Brand	Danner
Flow Rate	4800 Gallons Per Hour (GPH)
Style	Submersible
Power Source	AC/DC (Standard Household Electrical)
Material	Polypropylene (PP)
Item Weight	12 Pounds (5.44 kg)
Product Dimensions (LxWxH)	16 x 7 x 9 inches (40.64 x 17.78 x 22.86 cm)

6. WARRANTY AND SUPPORT

6.1 Warranty Information

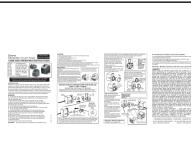
Danner products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your Danner 4800 GPH Pro Hy-Drive Pump, please refer to the warranty card included with your purchase or visit the official Danner website. Keep your proof of purchase for warranty claims.

6.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue with your pump, please contact Danner customer support. Contact information can typically be found on the Danner website or on the product packaging. When contacting support, please have your pump's model number (02670) and purchase date readily available.

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

Related Documents - 02670

	<p>Danner Pondmaster Magnetic Drive 2-7 Pumps: Care and Operating Instructions</p> <p>Comprehensive guide to the care, operation, installation, and safety instructions for Danner Pondmaster Magnetic Drive 2-7 Pumps (models 02512, 02513, 02515, 02517, 02522, 02523, 02525, 02527). Includes troubleshooting, maintenance, and warranty information.</p>
	<p>Danner Air Pumps AP-Series Care & Operating Instructions Aquarium & Pond Use</p> <p>Comprehensive care and operating instructions for Danner AP-Series air pumps, including models AP-20, AP-40, AP-60, and AP-100. Covers features, indoor and pond installation guidelines, and important safety precautions.</p>
	<p>Danner Submersible and In-Line Pumps: Care, Operation, and Conversion Guide</p> <p>Comprehensive guide to Danner submersible and in-line pumps, covering operating instructions, conversion to in-line use, maintenance, troubleshooting, and warranty information. Includes safety warnings and model details.</p>
	<p>Danner Pondmaster Pressurized Filter System: Care and Operating Instructions</p> <p>User manual for Danner Pondmaster pressurized pond filter systems. Covers installation, operation, maintenance, UV clarifier use, and parts for models CPF and PF series. Essential guide for pond owners.</p>
	<p>Danner Manufacturing 2019-2020 Product Catalog for Aquatics and Water Features</p> <p>Explore the Danner Manufacturing 2019-2020 product catalog, showcasing innovative solutions for aquariums, water gardens, ponds, pools, and home decor. Discover high-quality pumps, filters, clarifiers, and meditation fountains from trusted brands like Pondmaster, Supreme, and ProLine, designed for hobbyists and professionals.</p>

