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Danner 02522

Pondmaster Pond-Mag 250 GPH Magnetic Drive Water Pump User Manual

Model: 02522

IMPORTANT SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

- Always disconnect the pump from the power supply before handling or performing any maintenance.
- Ensure the pump is properly grounded.
- Do not operate the pump if the power cord is damaged.
- Keep children and pets away from the pump and water feature during operation.
- This pump is designed for water use only. Do not use with flammable liquids.

PRODUCT OVERVIEW

Description

Danner Manufacturing, Inc., Pondmaster Pond-Mag Magnetic Drive Water Pumps, including the 250 GPH model, are engineered for various water movement applications. These pumps offer quiet, efficient, and reliable 24/7 performance, featuring a magnetic impeller assembly and an epoxy-encased power unit. The Pond-Mag 250 GPH pump is ideal for small to medium-sized ponds ranging from 150 to 550 gallons.

Key Features

- Certified to UL or ETL standard for safety.
- Designed for continuous operation without seals to wear out.
- Features a magnetic impeller assembly and an epoxy encased power unit.
- Max. Watts/Amps: 24/0.4, Volts: 120 / 60Hz.
- Inlet: 1/2" FPT, Outlet: 1/2" MPT.
- Cord Length: 18'.
- Includes a rigid pre-filter.

- Operates submerged or inline.
- Equipped with a durable ceramic shaft.

Product Diagram

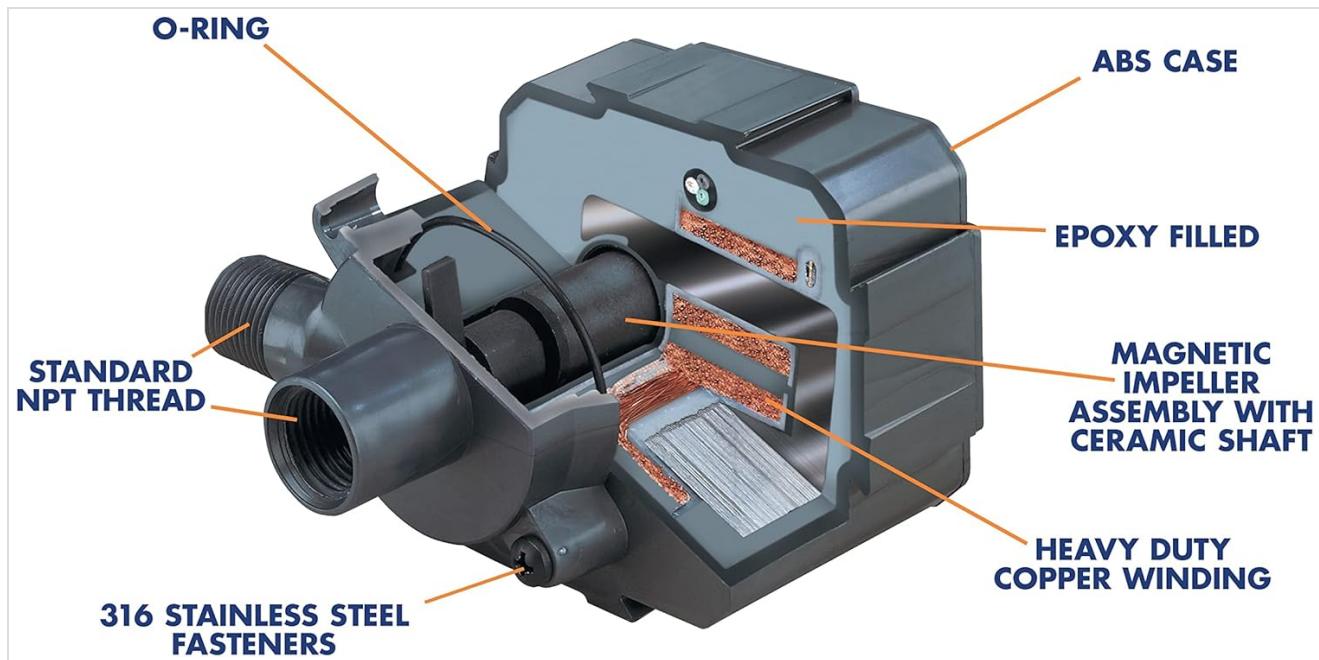


Figure 1: Internal components of the Pondmaster Pond-Mag pump.

Specifications

Attribute	Value
Brand	Danner
Model Number	02522
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	4.5" L x 3.75" W x 3.5" H
Power Source	Corded Electric
Item Weight	3.7 Pounds
Maximum Flow Rate	4.16 Gallons Per Minute (250 GPH)
Inlet	1/2" FPT
Outlet	1/2" MPT
Cord Length	18'

SETUP AND INSTALLATION

The Pondmaster Pond-Mag pump can be installed either submerged in water or inline (external) depending on your application needs.

Submerged Installation

1. Ensure the pump is placed on a stable, level surface within the pond or water feature.
2. Connect appropriate tubing to the pump's outlet (1/2" MPT) for water circulation.
3. Ensure the pre-filter is securely attached to the pump's inlet to prevent debris from entering.
4. Submerge the pump completely in water before connecting to power.

Inline (External) Installation

1. Position the pump on a dry, stable surface near the water source.
2. Connect tubing to both the inlet (1/2" FPT) and outlet (1/2" MPT) of the pump. Ensure all connections are watertight.
3. The pump must be primed before initial operation in an inline setup. Consult a plumbing professional if unsure about priming procedures.
4. Ensure the pump is protected from direct weather exposure if installed outdoors.



Figure 2: Danner Pondmaster Pond-Mag 250 GPH pump.



Figure 3: Rigid pre-filter for the Pondmaster pump.

OPERATING INSTRUCTIONS

Once the pump is properly installed and connected to the water system, plug the power cord into a grounded electrical outlet. The pump is designed for continuous operation (24/7 performance). Ensure the pump is always submerged in water if used in a submerged application, or properly primed if used inline, to prevent dry running which can damage the unit.

Monitor the water flow to ensure optimal performance. If flow decreases, refer to the Maintenance or Troubleshooting sections.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Pondmaster Pond-Mag pump.

- 1. Pre-Filter Cleaning:** Periodically remove and clean the rigid pre-filter to prevent clogging and maintain optimal water flow. Rinse with clean water.
- 2. Impeller Inspection:** If flow is significantly reduced, disconnect power and inspect the magnetic impeller assembly for debris or blockages. Carefully remove any obstructions.

- Shaft Lubrication:** Apply silicone grease to the ceramic shaft and rubber O-ring during reassembly to ensure smooth operation and seal integrity.
- Winterization:** In freezing climates, remove the pump from the water feature before the first freeze. Clean thoroughly and store in a frost-free location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or operate.	No power to the pump; Impeller jammed; Motor failure.	Check power connection and circuit breaker. Disconnect power and inspect impeller for debris. If problem persists, contact support.
Reduced water flow.	Clogged pre-filter; Debris in impeller; Kinked or blocked tubing.	Clean pre-filter. Disconnect power and clear impeller. Check and clear tubing.
Pump is noisy.	Debris in impeller; Pump not fully submerged (if applicable); Air in system (if inline).	Clean impeller. Ensure pump is fully submerged. Bleed air from inline system.

WARRANTY AND SUPPORT

This Pondmaster Pond-Mag pump comes with a **5 Year Limited Warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms, technical support, or replacement parts, please refer to the official Danner Manufacturing, Inc. website or contact their customer service.

An official User Guide (PDF) is also available for download: [Download User Guide \(PDF\)](#)

Related Documents - 02522

	<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>
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	<p><u>Danner Air Pumps AP-Series Care & Operating Instructions Aquarium & Pond Use</u></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><u>Danner Pondmaster Pressurized Filter System: Care and Operating Instructions</u></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><u>Danner Submersible and In-Line Pumps: Care, Operation, and Conversion Guide</u></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><u>Pondmaster Magnetic Drive 24/36 Pump: Care, Operating, and Maintenance Instructions</u></p> <p>Comprehensive care, operating, and maintenance instructions for Pondmaster Magnetic Drive 24/36 and 36/36 pumps, including models 02740, 02745, 02750, 02755, 40140, and 40145. This guide covers features, inline piping, service procedures, electrical precautions, parts lists, specifications, and warranty information for these centrifugal water pumps.</p>