



Manuals.plus /

- › Knifel /
- › Knifel 400GPH Submersible Water Pump Instruction Manual

Knifel 400GPH

Knifel 400GPH Submersible Water Pump Instruction Manual

Brand: Knifel | Model: 400GPH

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Knifel 400GPH Submersible Water Pump. Designed for versatility, this ultra-quiet pump is suitable for various applications including fish tanks, ponds, aquariums, statuary, and hydroponic systems. Its compact design and adjustable flow rate ensure optimal performance for your specific needs.



Figure 1: Versatile applications of the Knifel 400GPH Submersible Water Pump.

SAFETY INFORMATION

Please read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious personal injury.

- **Electrical Safety:** Ensure the power outlet is properly grounded. Do not use extension cords unless absolutely necessary and ensure they are rated for outdoor use and wet conditions. The power plug is not submersible; ensure it remains dry.
- **Water Level:** Never run the pump dry. Continuous dry operation can cause overheating and permanent damage to the motor. Ensure the pump is fully submerged in water during operation.
- **Handling:** Always disconnect the power supply before handling, installing, or performing any maintenance on the pump.
- **Temperature:** Do not operate the pump in water temperatures exceeding 95°F (35°C).
- **Intended Use:** This pump is designed for circulating water in aquariums, ponds, fountains, and

hydroponic systems. Do not use it for flammable liquids, corrosive chemicals, or other non-water applications.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Knifel 400GPH Submersible Water Pump
- Power Cord (attached)
- Assorted Outlet Adapters (1/2", 2/3", 3/4")
- Suction Cups (pre-attached to pump base)

SETUP

Follow these steps to properly set up your submersible water pump:

1. **Choose Location:** Select a suitable location for the pump within your water feature, ensuring it will be fully submerged during operation.
2. **Attach Outlet Adapter:** Select the appropriate outlet adapter (1/2", 2/3", or 3/4") for your tubing or piping. Screw the chosen adapter onto the threaded outlet at the top of the pump.
3. **Connect Tubing:** Securely attach your water tubing or piping to the installed outlet adapter.
4. **Position Pump:** Place the pump in the desired location. The four strong rubber suction cups on the base of the pump can be used to secure it to a smooth, clean surface, such as the bottom or side of a tank or pond, to prevent movement and reduce vibration.
5. **Ensure Submersion:** Confirm that the pump is completely submerged in water before connecting it to a power source.



Figure 2: Knifel 400GPH Submersible Water Pump with included adapters.



3KGF

STRONG SUCTION



anti-falling



Absorb shock

Figure 3: The pump's base features strong suction cups for secure placement.

OPERATING INSTRUCTIONS

Operating your Knifel pump is straightforward:

1. **Power On:** Once the pump is correctly installed and fully submerged, plug the power cord into a suitable electrical outlet. The pump will begin operating immediately.
2. **Adjust Flow Rate:** Locate the adjustable knob on the side of the pump. Turn the knob towards the '+' symbol to increase the water flow rate, or towards the '-' symbol to decrease it. This allows you to achieve the desired water pressure and circulation for your application.

ADJUSTABLE WATER FLOW RATE



Max Flow Rate:
400GPH



Max Lift:
6.5ft



Waterproof
Ipx8

6.5ft



Figure 4: The adjustable knob allows for precise control of the water flow rate.

MAINTENANCE

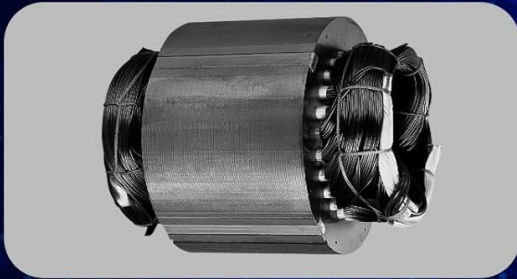
Regular maintenance ensures the longevity and optimal performance of your pump.

1. **Disconnect Power:** Always unplug the pump from the power outlet before performing any cleaning or maintenance.
2. **Disassemble for Cleaning:** The pump is designed for easy disassembly without tools. Gently separate the front cover from the pump body to access the impeller and filter area.
3. **Clean Filter and Impeller:** Remove any debris, leaves, or trash accumulated on the filter screen and around the impeller. Rinse the components with clean water. For stubborn buildup, a soft brush may be used.
4. **Reassemble:** Once clean, reassemble the pump components, ensuring all parts fit securely.
5. **Frequency:** The frequency of cleaning depends on the water quality and usage. In general, inspect and clean the pump every 2-4 weeks to prevent clogs and maintain efficient operation.

Service life up to 3 years

The pure copper rotor life is 1 year longer than ordinary rotor.

3
YEARS



Other Rotor



Our Rotor

Figure 5: The pump features a durable pure copper rotor for extended service life.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump does not operate	No power supply; Impeller jammed; Not fully submerged	Check power connection; Clean impeller and filter; Ensure pump is fully submerged.
Low water flow	Clogged filter/impeller; Kinked or blocked tubing; Flow rate knob set too low	Clean filter and impeller; Check and clear tubing; Adjust flow rate knob to '+' setting.
Pump is noisy	Impeller obstructed; Not fully submerged; Vibration against surface	Clean impeller; Ensure pump is fully submerged; Reposition pump or use suction cups to secure.

SPECIFICATIONS

Feature	Detail
Brand	Knifel
Model Number	400GPH
Maximum Flow Rate	400 GPH (1500 L/H)
Maximum Lift Height	6.5 feet
Power	25W
Voltage	110 Volts (AC)
Material	Plastic
Color	Black
Product Dimensions (L x W x H)	2.36" x 2.83" x 3.62"
Item Weight	8 ounces
Outlet Adapters Included	1/2", 2/3", 3/4"

Specifications

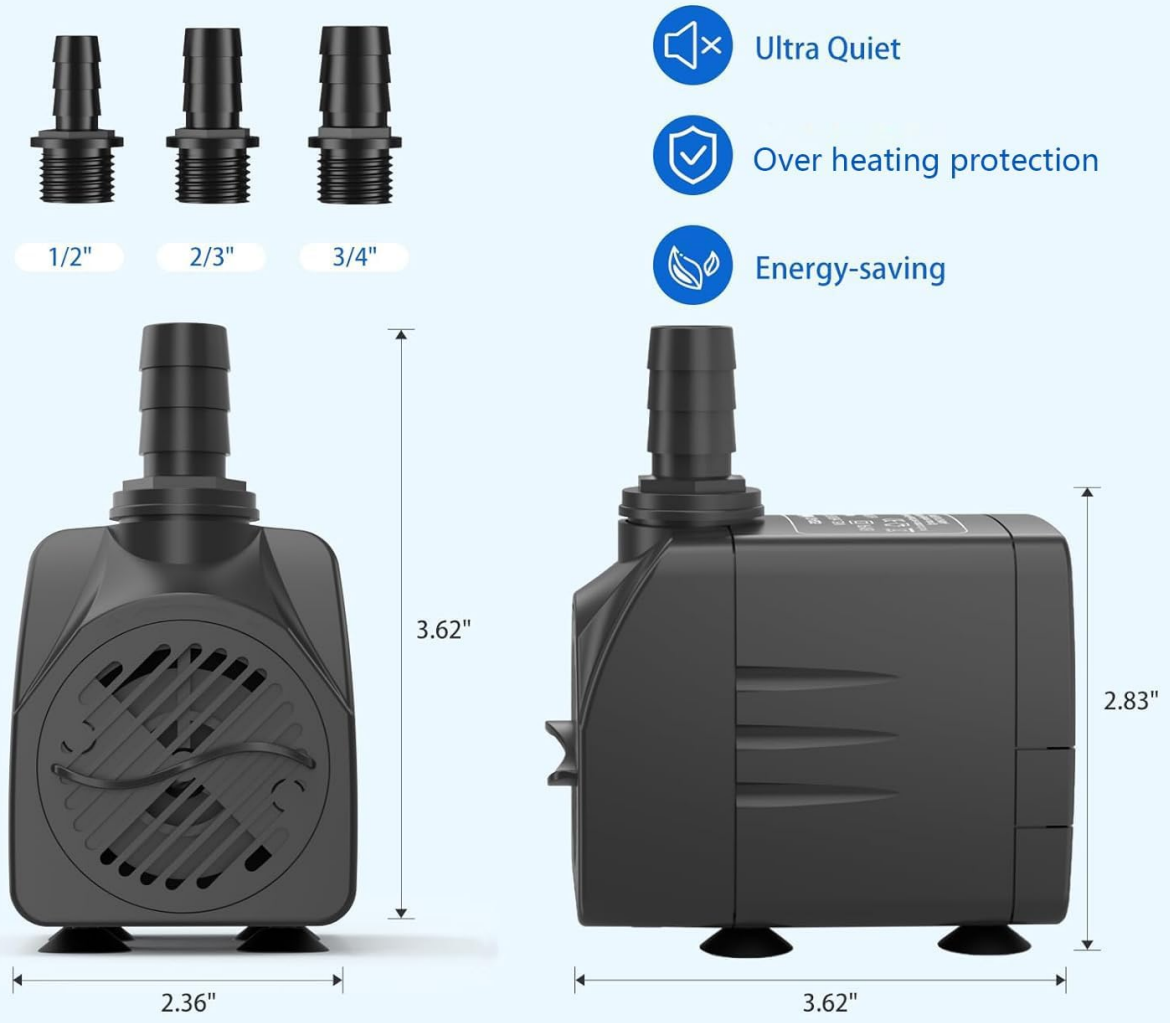


Figure 6: Detailed dimensions and adapter sizes of the pump.

WARRANTY AND SUPPORT

Knifel products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the contact information provided with your purchase or visit the official Knifel website. Please retain your proof of purchase for warranty claims.