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> Knifel 550GPH Submersible Water Pump Instruction Manual

Knifel ATG-200

Knifel 550GPH Submersible Water Pump Instruction Manual

Model: ATG-200

1. PRODUCT OVERVIEW

The Knifel 550GPH Submersible Water Pump is a versatile and efficient pump designed for various water applications, including fountains, hydroponic systems, ponds, and aquariums. It features an AUTO-SHUT-OFF function for dry-run protection, an adjustable flow rate, and ultra-quiet operation, ensuring a reliable and peaceful environment.



Figure 1: Knifel 550GPH Submersible Water Pump with included accessories.

This pump is built with a pure copper motor for enhanced durability and performance. Its detachable design allows for easy cleaning and maintenance, extending the product's lifespan. The integrated foam filter prevents debris from entering and clogging the pump, maintaining optimal functionality.

KNIFEL 550GPH WATER PUMP



Figure 2: The Knifel 550GPH water pump operating in an aquarium, demonstrating its application.

2. KEY FEATURES

- **AUTO-POWER-OFF Function:** Automatically shuts off power when water levels are low to prevent dry burning and restarts upon water replenishment, ensuring pump longevity.
- **Integrated Foam Filter:** Blocks leaves and debris, protecting the pump from clogging and maintaining clean water circulation.
- **Strong Power & Ultra-Quiet Operation:** Equipped with a pure copper motor for powerful performance while operating at a whisper-quiet level (30-40db), minimizing noise disturbance.
- **Adjustable & Detachable Design:** Features an adjustable knob for precise water flow control and a tool-free detachable design for easy separation and cleaning.
- **Strong Suction Cups:** Four robust suction cups ensure secure and stable placement without the need for additional tools.



Normal Using



**Water Level Gets Low,
Auto Power OFF**



**Auto-Restart
After Adding Water**

Auto-Power OFF System

**Automatically Power OFF
When There is No Water**



Figure 3: Illustration of the pump's automatic power-off and restart mechanism for dry-run protection.

ULTRA-QUIET



USING ADVANCED
TECHNOLOGY NOISE
REDUCE 30%



The voice of
conversation
50-60db



Knifel Pump
30-40db

- High quality rotor



Sound of ticking
20-40db



Blossom of flower
10db

Figure 4: The pump's ultra-quiet operation, producing noise levels between 30-40db.



Figure 5: Demonstrating the strong power and adjustable water flow of the pump, with a maximum flow rate of 550GPH (2000L/h) and a max lift of 6.65ft (2m).

3. SETUP AND INSTALLATION

Before installation, ensure the pump is clean and free of any debris. Select the appropriate adapter for your hose size (1/2", 2/3", or 3/4") and securely attach it to the pump's outlet. Place the pump in the desired location within your water feature, ensuring it is fully submerged for optimal performance and to activate the AUTO-SHUT-OFF protection.

1. Unpack the pump and all accessories.
2. Choose the correct hose adapter and screw it onto the pump's water outlet.
3. Position the pump securely at the bottom of your pond, fountain, or aquarium using the integrated suction cups.
4. Ensure the pump is fully submerged in water before plugging it into a power outlet. The power cord is submersible, but the plug must remain dry and outside the water.

Your browser does not support the video tag.

Video 1: Demonstrating the setup and operation of the Knifel submersible water pump in a pond environment. This video shows how to

attach the hose adapter, adjust the flow rate, and the pump's powerful water output.

4. OPERATING INSTRUCTIONS

Once installed and submerged, plug the pump into a 110-volt power source. The pump will begin operating immediately. You can adjust the water flow rate using the knob located on the pump's top. Turn the knob towards the '+' sign for increased flow and towards the '-' sign for decreased flow.

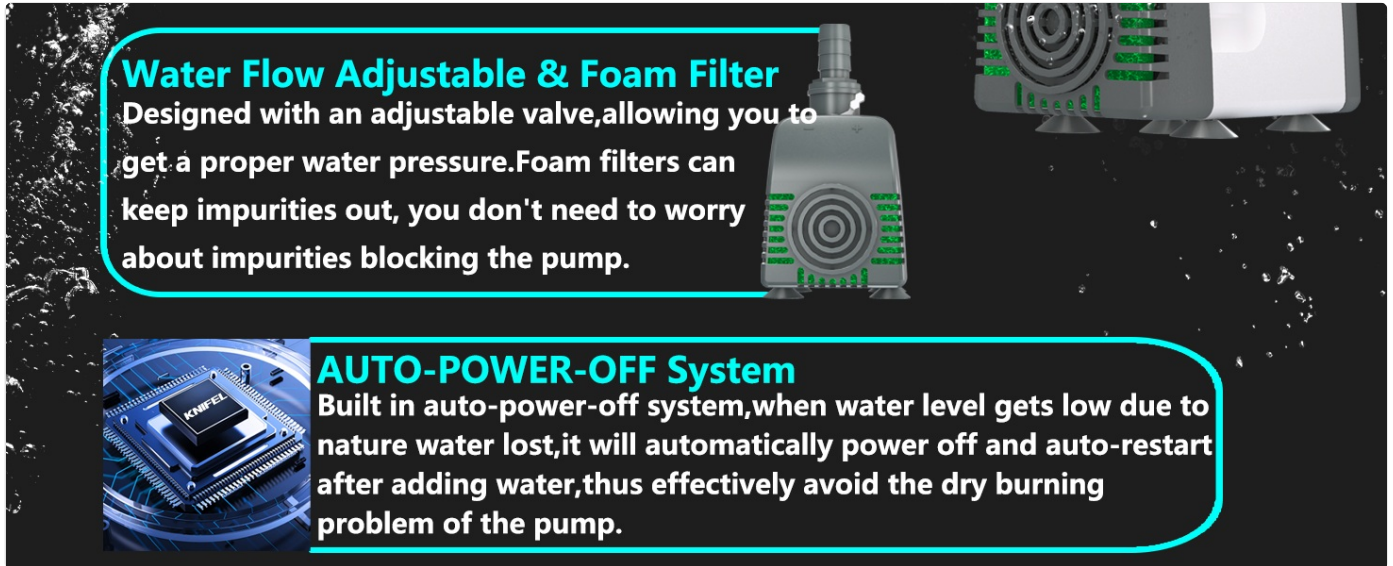


Figure 6: The adjustable valve allows for precise control over water pressure, and the foam filter helps keep impurities out.

The AUTO-POWER-OFF feature will activate if the water level drops too low, protecting the pump from damage. The pump will automatically restart once sufficient water is added back to the system.

5. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Knifel water pump. The pump's detachable design makes cleaning simple and tool-free.

1. Unplug the pump from the power source before performing any maintenance.
2. Carefully remove the front cover of the pump.
3. Remove the foam filter and rinse it thoroughly under clean water to remove accumulated debris. If the filter is heavily soiled or damaged, consider replacing it.
4. Clean the impeller and the pump's interior chamber to ensure no blockages.
5. Reassemble the pump by reinserting the filter and attaching the front cover.

Detachable Design

Can be easily disassembled and cleaned without any tools.



Figure 7: The pump's detachable components, including the filter, for easy disassembly and cleaning.

6. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Pump not running	Not plugged in; Power outage; Low water level (AUTO-SHUT-OFF activated); Clogged impeller.	Ensure pump is securely plugged in; Check power supply; Add water until pump is fully submerged; Clean the impeller and filter.
Weak water flow	Adjustable flow rate set too low; Clogged filter or impeller; Kinked or blocked hose.	Adjust the flow rate knob to maximum ('+'); Clean the filter and impeller; Check hose for obstructions or kinks.
Pump making unusual noise	Debris in impeller; Pump not fully submerged; Worn impeller.	Unplug and clean impeller; Ensure pump is fully submerged; Contact support if noise persists after cleaning and proper submersion.

If the problem persists after attempting these solutions, please refer to the warranty and support section for further assistance.

7. SPECIFICATIONS

Brand: Knifel

Model Number: ATG-200

Material: Acrylonitrile Butadiene Styrene (ABS)

Style: Submersible

Product Dimensions: 4.4"L x 2.7"W x 5.1"H

Power Source: Corded Electric

Maximum Flow Rate: 550 GPH (2000 Liters Per Hour)

Maximum Lifting Height: 6.65 Feet

Voltage: 110 Volts

Item Weight: 2.09 pounds

Country of Origin: China

Specifications

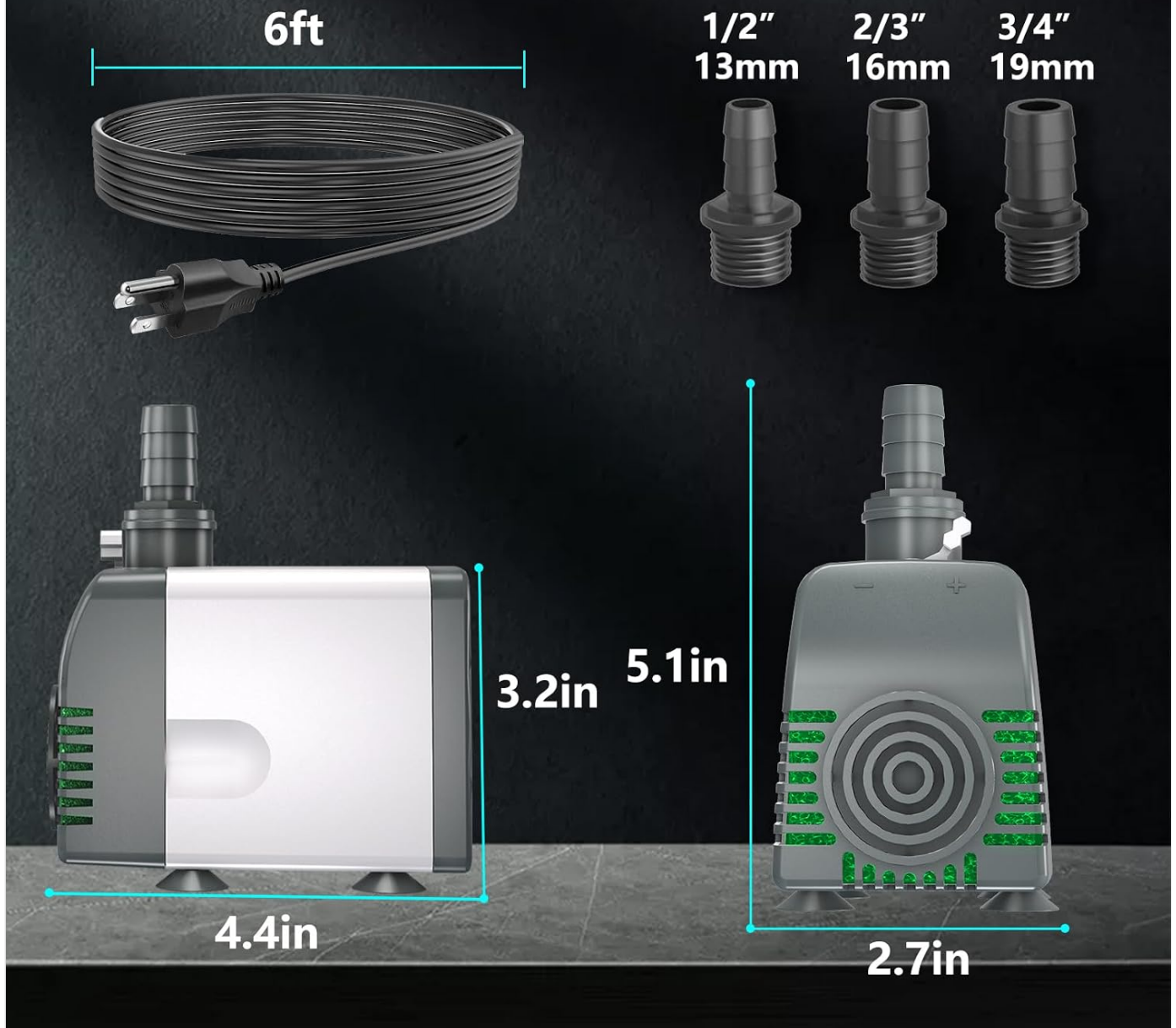


Figure 8: Detailed dimensions and technical specifications of the Knifel 550GPH pump.

8. WARRANTY AND SUPPORT

The Knifel 550GPH Submersible Water Pump comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

For any questions, concerns, or warranty claims, please contact Knifel customer support directly. Please have your product model number (ATG-200) and purchase information ready when contacting support for faster service.

For more information or to reach customer service, please visit the official Knifel brand page on Amazon [Knifel Brand Store](#).

