

[Manuals.plus](#) /

› [Knifel](#) /

› Knifel 400GPH Water Fountain Pump (Model XT-025) User Manual

Knifel XT-025

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INTRODUCTION

Thank you for choosing the Knifel 400GPH Water Fountain Pump. This pump is designed for various water circulation applications, including fountains, hydroponics systems, ponds, and aquariums. It features an ultra-quiet operation, adjustable flow rate, and an auto-power-off function for enhanced safety and durability. This manual provides essential information for the safe and efficient use of your pump.



Image: The Knifel 400GPH Water Fountain Pump, showcasing its compact design and water output.

Wide Range of Applications



Image: Various applications of the pump, including aquariums, ponds, hydroponics, and fountains, demonstrating its versatility.

SAFETY INSTRUCTIONS

- Always disconnect the pump from the power supply before handling, cleaning, or performing any maintenance.
- Ensure the pump is fully submerged in water if used in a submersible application to prevent overheating and damage.
- Do not operate the pump with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent to avoid hazards.
- This pump is designed for water only. Do not use it for flammable liquids or other chemicals.
- Ensure the electrical outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).
- Keep children and pets away from the pump and water feature during operation.
- Do not lift the pump by its power cord.

PACKAGE CONTENTS

Please check the package to ensure all items are present:

- 1 x Water Fountain Pump (Model XT-025)
- 3 x Nozzles (various sizes)

SPECIFICATIONS



Image: Detailed specifications including pump dimensions, power cord length, and nozzle sizes.

Feature	Specification
Brand	Knifel
Model Number	XT-025

Feature	Specification
Power Source	Corded Electric
Voltage	110 Volts
Maximum Flow Rate	1500 Liters Per Hour (approx. 400 GPH)
Maximum Lifting Height	6 Feet
Product Dimensions (L x W x H)	4.4" x 2.7" x 3.2"
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Cord Length	6 feet
Included Components	Pump, 3 Nozzles

Service life up to 3 years

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

PURE COPPER MOVEMENT

3 YEARS

Other Rotor

Our Rotor

Image: Illustration of the pump's pure copper motor, indicating a service life of up to 3 years.

SETUP

1. Unpacking

Carefully remove all components from the packaging. Inspect the pump and accessories for any signs of damage. If any damage is found, do not proceed with installation and contact customer support.

2. Nozzle Attachment

Select the desired nozzle from the three included options. Attach it firmly to the pump's outlet. Ensure a snug fit to prevent leaks.

3. Placement Options

Multi-Function Intake Design

Non-Submersible



- Can be used outside water
- Flexible installation
- Wide application scenarios
- Easy to install and maintain
- Suitable for both indoor & outdoor use

Bottom Suction



- Removes dirt & debris from the bottom
- Prevents sludge buildup
- Full-range water circulation
- Keeps water cleaner & clearer

Side Suction



- Efficient side intake
- Avoids sucking up sand & gravel
- Stable & continuous water flow
- Prevents clogging
- Wider range of water circulation

Image: Multi-function intake design showing non-submersible, bottom suction, and side suction capabilities.

- **Submersible Use:** Place the pump entirely underwater. The pump is equipped with strong suction cups on its base for secure placement on the bottom or side of your container.

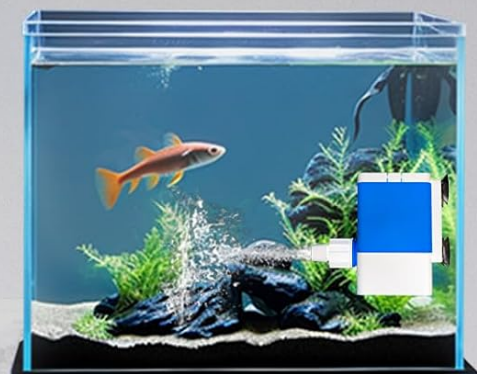
- **Non-Submersible Use:** The pump can also be used outside of water. Ensure the intake hose is securely connected and submerged in the water source, and the pump is placed on a stable, level surface.

Strong Suction Cups

The suction cup is strong and can be securely fixed without the need for additional tools.



Horizontal Plane



Vertical Plane

Image: Strong suction cups for secure horizontal or vertical mounting.

4. Water Level (for Submersible Use)

For submersible applications, ensure the water level is sufficient to completely cover the pump. Operating the pump without adequate water can lead to overheating and activate the auto-power-off function.

5. Power Connection

Once the pump is securely placed and, if applicable, submerged, connect the power cord to a properly grounded electrical outlet with GFCI protection.

OPERATING

1. Power On/Off

Plug the pump into the electrical outlet to turn it on. Unplug it to turn it off.

2. Adjusting Flow Rate

Adjustable Flow Rate

Designed with an adjusting knob, get suitable pressure.

400GPH

Max. Flow Rate

5.9ft

Max. Lift Height



Image: The adjustable flow rate knob on the pump.

The pump features an adjustable knob located on the front. Rotate this knob to increase or decrease the water flow rate to achieve your desired effect.

3. Auto-Power-Off Function

This pump is equipped with an auto-power-off feature. If the water level drops too low or the pump runs dry, it will automatically shut off to prevent burnout. The pump will restart once sufficient water is added.

MAINTENANCE

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

1. Cleaning the Filter

The pump includes a foam filter to prevent debris from entering. Periodically remove the filter and rinse it under clean water to remove accumulated dirt and debris. Replace the filter if it is damaged or excessively clogged.

2. Cleaning the Pump

The pump is designed to be detachable for easy cleaning. Disconnect the power, then carefully disassemble the pump components. Use a soft brush and clean water to remove any algae, mineral deposits, or debris from the impeller and housing. Reassemble all parts securely before reconnecting power.

3. Winterization (for Outdoor Use)

If using the pump outdoors in regions with freezing temperatures, remove the pump from the water feature before the first frost. Clean it thoroughly, dry it, and store it in a dry, frost-free location until spring.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not run	No power; Clogged impeller; Auto-power-off activated (low water)	Check power connection and GFCI; Disconnect power and clean impeller; Add water to the feature.
Reduced water flow	Clogged filter or intake; Impeller blocked; Flow rate knob set too low	Clean filter and intake; Disconnect power and clean impeller; Adjust flow rate knob to a higher setting.
Pump is noisy	Debris in impeller; Pump not stable; Low water level	Disconnect power and clean impeller; Ensure pump is securely placed; Add water to cover the pump.
Pump stops intermittently	Auto-power-off activated due to low water	Ensure adequate water level in the feature.

WARRANTY AND SUPPORT

This Knifel water fountain pump comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the pump's proper function under normal use. If you encounter any issues with your pump or have questions regarding its operation, maintenance, or troubleshooting, please contact Knifel customer support. Please have your model number (XT-025) and purchase information ready when contacting support.

Customer Support Contact:

Email: support@knifel.com (Example email, please refer to your product packaging for actual contact details.)

Website: www.knifel.com (Example website, please refer to your product packaging for actual contact details.)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question