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PHLEX PRO KF100297-01

PHLEX PRO 1/2HP Submersible Water Pump Instruction Manual

Model: KF100297-01

Brand: PHLEX PRO

Introduction

Thank you for choosing the PHLEX PRO 1/2HP Submersible Water Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new utility pump. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

Always prioritize safety when operating electrical equipment. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- The pump must always be lifted by the handle and never by the power supply cable. The pump should only be allowed using a rope or chain.
- The pump must never be used when a person is in the water.
- Only qualified electricians may carry out electrical maintenance to the pump or controls.
- Always pull out the mains plug before carrying out any work on the pump.



Image: Important safety warnings regarding pump handling.

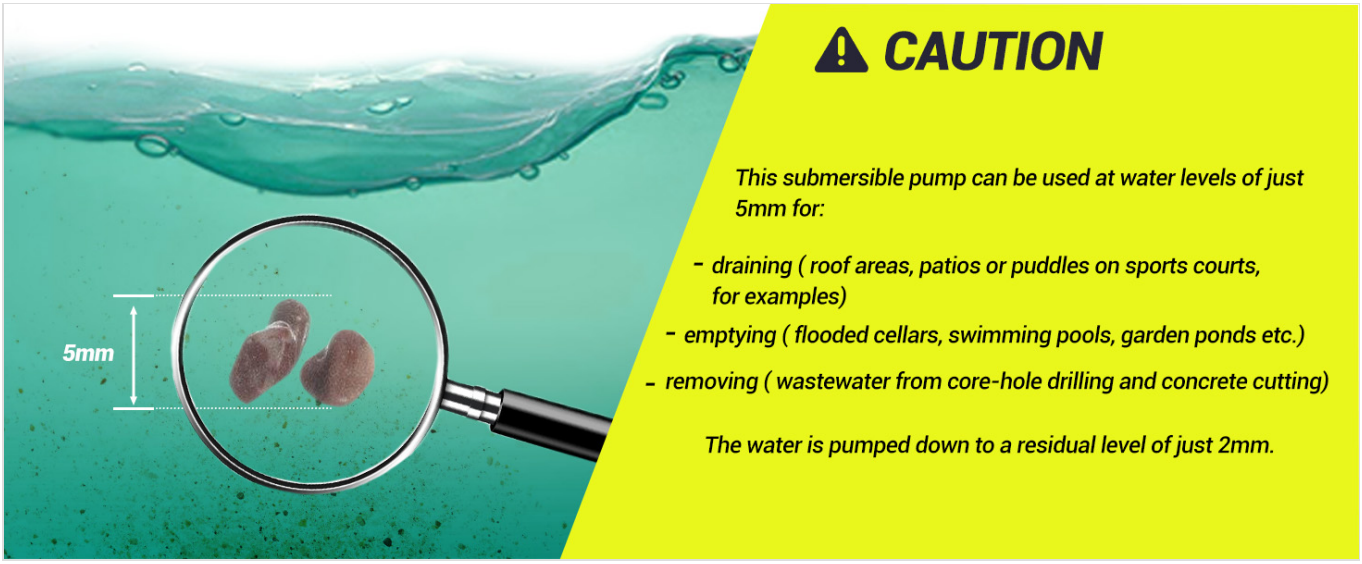

Image: Caution regarding minimum water levels and debris size for pump operation.

Product Features

- **High-Flow Performance:** Experience powerful water circulation with our 2650 GPH submersible pump, capable of handling large volumes of water for ponds, aquariums, and water features with ease.
- **Powerful 1/2HP Motor:** Equipped with a robust 1/2HP motor, the PHLEX PRO water pump delivers reliable performance and longevity, suitable for continuous operation in various water systems.
- **Energy-Efficient Design:** Designed to save on energy costs without compromising power, this pump provides a balance between efficiency and effectiveness for conscious consumers.
- **IPX8 Waterproof Pump:** This drain pump features a 1-1/4" NPT discharge and a 3/4" hose adapter for flexible hose sizing. Its submersible design includes a removable screen to prevent damage and filter debris, pumping water down to 1/8" from the surface.
- **ETL Certified Reliability:** Our water pump is backed by the rigorous ETL certification, ensuring that it meets the highest standards of safety and performance for all your water circulation needs.
- **Extended Power Cord:** Comes with a 16.4ft long power cord providing convenient reach and flexibility for installation in basements, swimming pools, gardens, and ponds without requiring extension cords.
- **Versatile Applications:** Submersible utility pump designed for multiple uses including basement water removal, pool draining, garden irrigation, pond maintenance, and general water transfer tasks.



Image: Key features of the PHLEX PRO 1/2HP Submersible Water Pump.

Image: The pump's lower suction base allows for efficient water removal down to 1/8 inch.

Specifications

Attribute	Value
Brand	PHLEX PRO
Model Number	KF100297-01
Material	Acrylonitrile Butadiene Styrene (ABS)
Style	Submersible
Product Dimensions	7"L x 6"W x 12"H

Power Source	Corded Electric
Voltage	110 Volts
Output Power	1/2HP
Max Flow	2650 GPH
Max Height	26 FT
Power Cord Length	16.4 FT
Protection Type	IPX8
Included Components	Sump pump



Image: Detailed product dimensions and technical specifications.



Image: Overview of the 1/2HP submersible water pump and its key specifications.

Setup

Before operating the pump, ensure proper connection of the discharge hose and secure placement.

1. **Attach Discharge Hose:** The pump is equipped with a 1-1/4" NPT discharge and includes a 3/4" hose adapter. Choose the appropriate adapter for your hose and securely attach it to the pump's discharge port.
2. **Position the Pump:** Place the pump in the area where water needs to be removed. Ensure it is stable and upright. The pump is designed for submersible use.
3. **Power Connection:** Connect the 16.4ft power cord to a suitable 110V/60Hz power outlet. Ensure the outlet is grounded and protected by a Ground Fault Circuit Interrupter (GFCI).



Image: Illustration of the utility adapters for connecting different hose sizes.



Image: The pump offers multiple adapter options for flexible hose connections.

Operating Instructions

The PHLEX PRO submersible pump is designed for various water transfer tasks. Always ensure the pump is fully submerged in water before starting to prevent dry running.

- **Submersion:** Place the pump into the water. The pump will begin operating once plugged in and submerged.
- **Water Level:** The pump can effectively remove water down to a residual level of just 1/8 inch (approximately 2mm). The minimum self-priming level is 3mm, and the minimum suction level is 1mm.
- **Continuous Operation:** The robust 1/2HP motor is suitable for continuous operation in various water systems.
- **Applications:** Use for basement water removal, pool draining, garden irrigation, pond maintenance, and general water transfer.



Image: Examples of wide applications for the sump pump, including pools, ponds, and basements.



Image: The pump is suitable for multiple uses in various outdoor water environments.

▶ **Watch video online**

1/2HP Submersible Water Pump

Video: Official PHLEX PRO video demonstrating the 1/2HP Submersible Water Pump in operation.

▶ **Watch video online**

PHLEX Pro Sump Pump in Action

Video: Official PHLEX PRO video showcasing the sump pump in action, demonstrating its water transfer capabilities.

Maintenance

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

- **Clean Intake Screen:** The pump features a removable intake screen designed to filter out debris such as leaves and small stones. Regularly remove and clean this screen to prevent clogging and damage to the pump.
- **Storage:** After use, allow the pump to dry completely before storing it indoors. Proper storage helps maintain its effectiveness over time.



Image: Diagram of the removable bottom screen and its components for easy cleaning.



Image: The removable screen facilitates easy cleaning and protects the pump from debris.

Troubleshooting

If you encounter issues with your PHLEX PRO water pump, consider the following common solutions:

- **Pump Not Starting:** Ensure the pump is properly plugged into a functional, grounded outlet. Check the power cord for any damage. Verify that the water level is sufficient for the pump to operate (minimum self-priming level is 3mm).
- **Reduced Flow:** Inspect the intake screen for debris and clean it if necessary. Check the discharge hose for kinks or blockages. Ensure the hose diameter is appropriate for the pump's output.
- **Unusual Noise:** Disconnect power and inspect the impeller for any foreign objects. Ensure the pump is placed on a stable surface and not vibrating excessively.
- **Overheating:** The pump has an automatic thermal overload protector. If it overheats, it will shut off automatically. Allow the pump to cool down, then check for blockages or dry running conditions before restarting.

For persistent issues, please contact PHLEX PRO customer support.

Warranty and Support

For warranty information, technical support, or replacement parts, please refer to the product packaging or visit the official PHLEX PRO website. Keep your purchase receipt as proof of purchase.

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