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› Prostormer 1HP 3700GPH Submersible Sump Pump User Manual

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Model: 1HP 3700GPH Submersible Sump Pump

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Prostormer 1HP 3700GPH Submersible Sump Pump. Please read all instructions carefully before use and retain this manual for future reference. This pump is designed for draining clean and dirty water from various applications such as pools, ponds, gardens, flooded cellars, aquariums, and for irrigation purposes.



Image: The Prostormer 1HP 3700GPH Submersible Sump Pump with its float switch and power cord.

WARNING: To reduce the risk of electric shock, always disconnect the pump from the power source before handling or servicing.

- Ensure the power supply matches the voltage specified on the pump's label.
- Do not operate the pump if the power cord or plug is damaged.
- Never lift or carry the pump by its power cord. Use the handle or a rope attached to the handle.
- Keep all electrical connections dry and away from water.
- Do not use the pump in flammable or explosive environments.
- This pump is designed for water only. Do not pump chemicals, oils, or other hazardous liquids.
- Ensure the pump is fully submerged in water during operation to prevent overheating and damage.
- Always wear appropriate personal protective equipment (PPE) when handling the pump.

SPECIFICATIONS

Prostormer 1HP 3700GPH Submersible Sump Pump Specifications

Feature	Detail
Power Supply	120V~60Hz
Power Consumption	1 HP
Maximum Flow Rate	3700 GPH (62 gpm)
Maximum Delivery Height	26 feet
Maximum Immersion Depth	23 feet
Maximum Water Temperature	35°C
Hose Connection	1 inch, 1-1/4 inch, 1-1/2 inch (threaded end)
Foreign Bodies Up To	Dia. 35mm
Product Dimensions (L x W x H)	6.69"L x 6.69"W x 12.2"H
Item Weight	10 pounds
Protection Type	IPX8

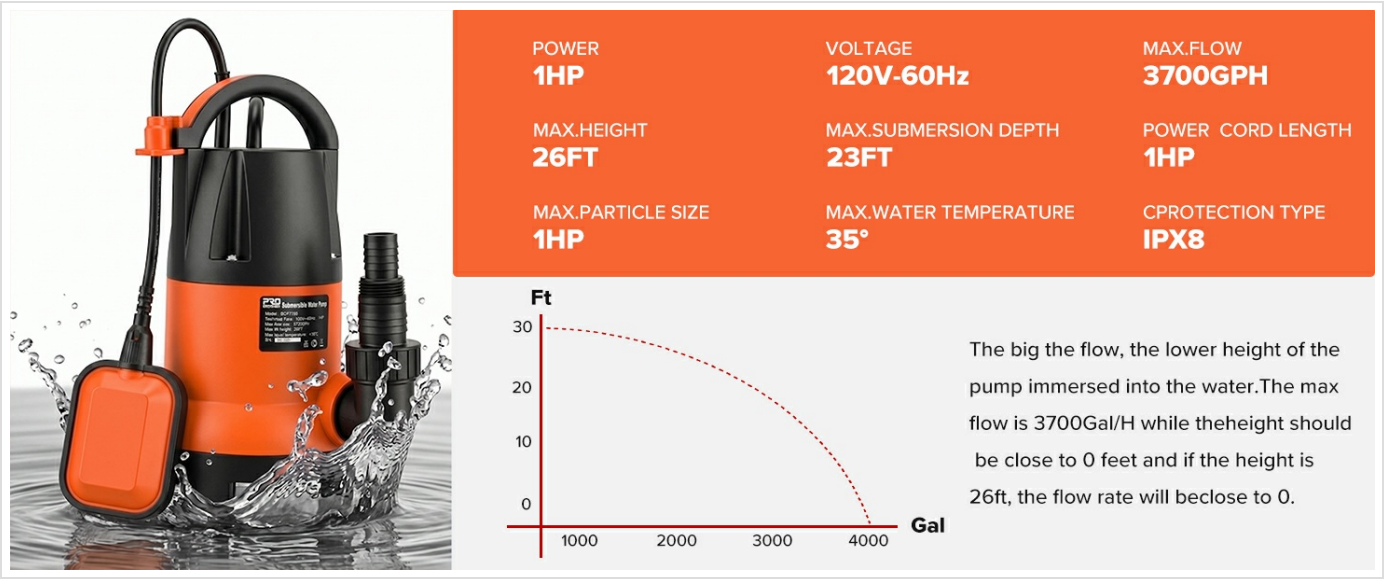


Image: Detailed specifications chart for the Prostormer submersible sump pump, including flow rate vs. head height.

SETUP

1. **Attach Hose:** Select the appropriate diameter outlet (1 inch, 1-1/4 inch, or 1-1/2 inch) for your hose based on the desired flow rate. A larger diameter allows for higher flow. Securely attach your discharge hose to the pump's outlet.

MULTIPLE HOSE ADAPTERS

Adapte for different size hoses as needed according to the flow rate



Image: Various hose adapters provided with the pump, illustrating different sizes for connection.

2. **Positioning the Float Switch:** The float switch controls the pump's automatic operation. Ensure it can move freely without obstruction.
3. **Submerge the Pump:** Carefully lower the pump into the water. It must be fully submerged. For initial operation, immerse the pump at a slight angle and hold it underwater for 20 to 30 seconds to expel any trapped air. This ensures proper priming and prevents dry running.



Image: A hand carefully lowering the sump pump into a body of water, demonstrating proper submersion.

4. **Power Connection:** Connect the pump to a grounded power outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.

EASY FOR USE



Choose the Appropriate Adaptor for Your Water Pipe



Use ropes for lifting



Select Mode



Immerse the Pump in Water at an Angle to Allow Any Trapped Air to Escape.



Start Working

OPERATING MODES

The Prostormer sump pump offers two operating modes controlled by the float switch:

1. Automatic ON/OFF Mode

In this mode, the float switch should be unlocked and allowed to move freely. The pump will automatically start when the water level rises, causing the float switch to lift. It will automatically stop when the water level drops, and the float switch returns to its lower position, disconnecting power when it fails to pump water.



Automatic Float Switch

When the float switch is unlocked from the pump, if the pump fails to pump water, it will automatically disconnect the power. If the water level is higher than the pump, the pump will start again.

When the float switch is locked on the pump, the pump will work all the time and the power will not shut off automatically, cut off immediately when the pump fails to pump water to prevent from dry running.

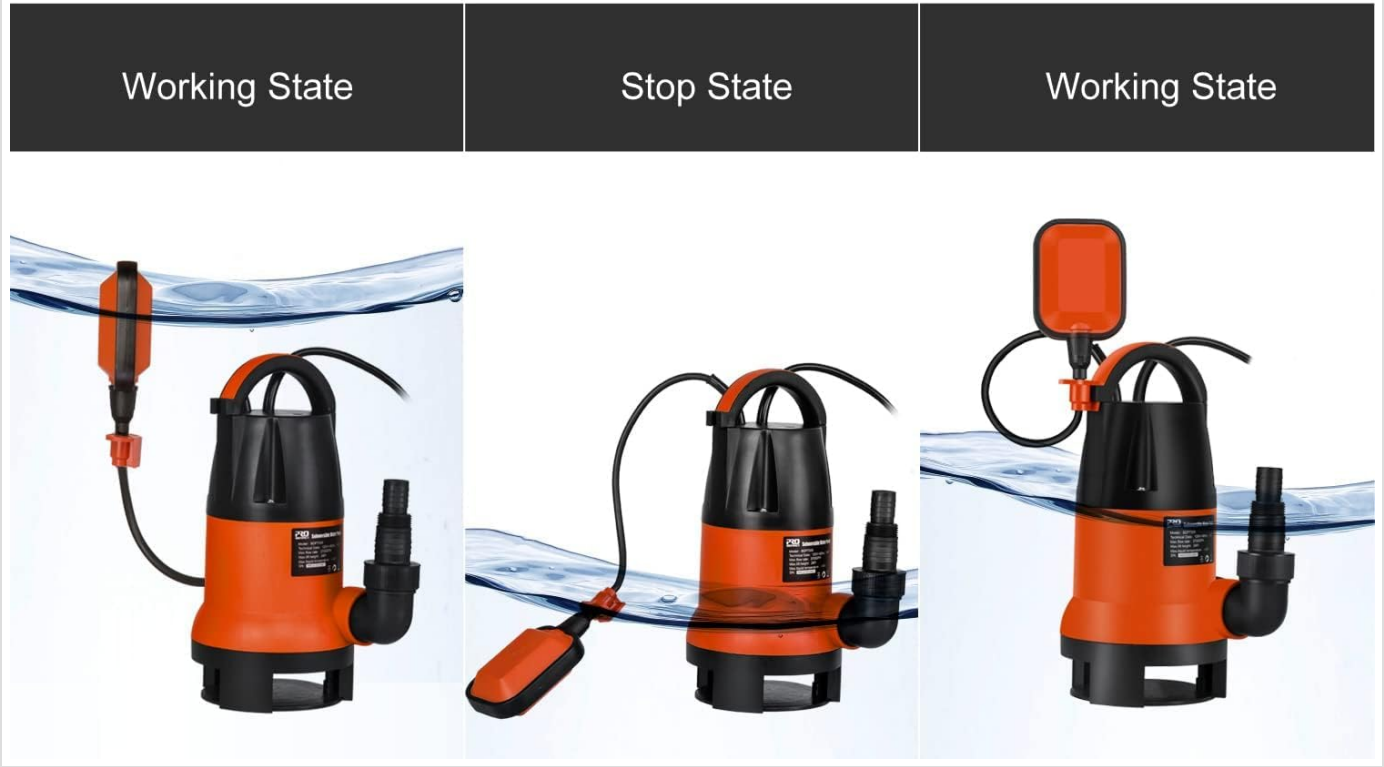


Image: Diagram illustrating the automatic float switch operation, showing how it activates and deactivates the pump based on water level.

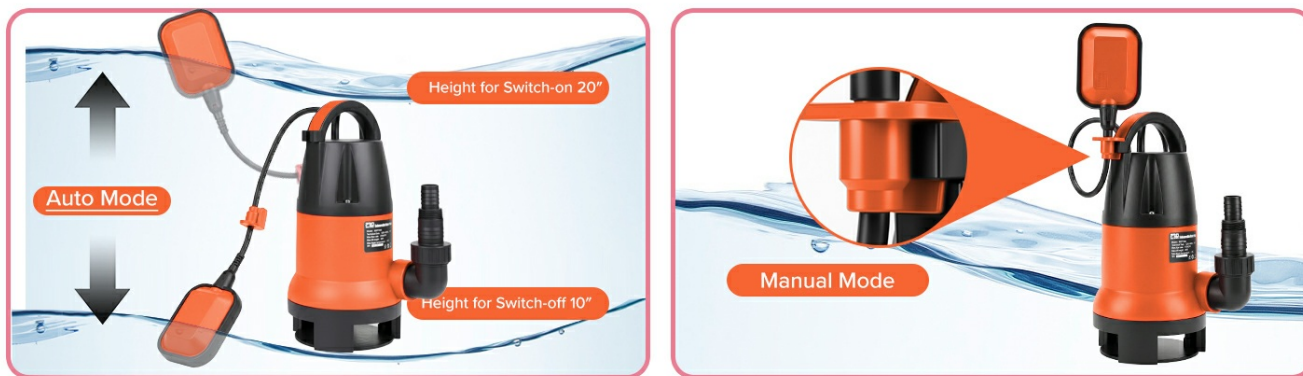


Image: Visual representation of the float switch in "Working State" (float up) and "Stop State" (float down).

2. Keep Open Mode (Manual Operation)

For continuous operation, especially in low water level environments where the water level does not exceed the pump, the float switch can be locked in an upward position on the pump. In this mode, the pump will operate continuously. It is crucial to monitor the pump and immediately cut off power if it stops pumping water to prevent dry running and potential motor damage.

TWO OPERATING MODES



Note : In manual mode, the pump will operate continuously. To prevent dry running, use this mode only under constant supervision

Image: Diagram showing the two operating modes: Auto Mode (float switch free) and Manual Mode (float switch locked up).

General Operation Tips

- Ensure the discharge hose is free of kinks and obstructions.
- Periodically check the pump's intake for debris, especially when pumping dirty water.
- Do not allow the pump to run dry for extended periods in manual mode.

Your browser does not support the video tag.

Video: A demonstration of the Prostormer sump pump in action, highlighting its multi-use capabilities for water transfer.

MAINTENANCE

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

- **Cleaning:** After each use, especially with dirty water, rinse the pump thoroughly with clean water. Remove any debris from the intake screen and impeller area.
- **Inspection:** Periodically inspect the power cord for any signs of damage (cuts, fraying). Check the float switch for free movement and ensure it is not obstructed.
- **Storage:** When not in use, store the pump in a dry, frost-free location. Ensure it is clean and free of water to prevent freezing or corrosion.
- **Winterization:** If used in areas prone to freezing, ensure the pump and discharge hose are completely drained and stored indoors during cold months.

TROUBLESHOOTING

Before performing any troubleshooting, always disconnect the pump from the power supply.

Problem	Possible Cause	Solution
Pump does not start	No power; Float switch stuck; Impeller jammed by debris.	Check power connection and GFCI; Ensure float switch moves freely; Clean impeller and intake screen.
Pump runs but no water is discharged or flow is low	Pump not primed; Discharge hose kinked or blocked; Water level too low; Impeller damaged.	Ensure pump is fully submerged and air is expelled; Check and clear hose; Ensure sufficient water level; Inspect and replace impeller if damaged.

Problem	Possible Cause	Solution
Pump cycles too frequently	Float switch range too narrow; Check valve faulty (if installed).	Adjust float switch position to allow for wider water level fluctuation; Inspect or replace check valve.
Pump stops unexpectedly	Overheating protection activated; Power interruption; Float switch malfunction.	Allow pump to cool down; Check power supply; Inspect float switch for damage or obstruction.

WARRANTY AND SUPPORT

Prostormer products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or contact Prostormer customer service directly. Keep your purchase receipt as proof of purchase. For further assistance, visit the official Prostormer website or contact their customer support team.

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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.

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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