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› TOPWAY 1HP 3435GPH 110V Submersible Sump Pump Instruction Manual

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Model: 1HP 3435GPH 110V Submersible Sump Pump

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TOPWAY 1HP 3435GPH 110V Submersible Sump Pump. Please read these instructions carefully before installation and use. Keep this manual for future reference.

The TOPWAY submersible pump is designed for transferring clean or dirty water from various sources such as basements, ponds, swimming pools, and gardens. It features a powerful 1HP motor and an automatic ON/OFF switch for convenient operation.

PRODUCT **PARAMETER**



Power
1HP



Max Flow
3435GPH



Max Height
25FT



Cord Length
25FT



Warnning
DO NOT RUN DRY!

Figure 1: Overview of the TOPWAY Submersible Sump Pump.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always disconnect the pump from the power supply before handling, cleaning, or performing any maintenance.
- Ensure the power supply voltage matches the pump's specifications (110V).
- Do not operate the pump with a damaged cord or plug. If damaged, contact customer support for replacement.
- Never use the pump to transfer flammable or explosive liquids, corrosive chemicals, or saltwater.
- Keep children and unauthorized persons away from the operating pump.
- Ensure the pump is fully submerged during operation to prevent dry running, which can cause damage.
- Do not lift or carry the pump by its power cord. Use the integrated handle.
- Install a Ground Fault Circuit Interrupter (GFCI) for electrical safety, especially when used outdoors or in wet environments.

3. PRODUCT FEATURES

The TOPWAY submersible sump pump incorporates several features for reliable performance:

- **Powerful 1HP Induction Motor:** Capable of handling both clean and dirty water.
- **High Flow Rate:** Max 3435 Gallons Per Hour (GPH) for efficient water transfer.
- **Automatic ON/OFF Switch:** Built-in float switch for automated operation, eliminating the need for an external switch.
- **Thermal Overload Protection:** Safeguards the motor from overheating.
- **Multi-Outlet Sizes:** Hose connector can be adjusted to 1 inch, 1-1/4 inch, or 1-1/2 inch diameters.
- **Quiet Operation:** Engineered for reduced noise during use.
- **Durable Construction:** Features a sturdy handle, stable base plate, and upgraded sealing structure for longevity.



Figure 2: Key features of the TOPWAY Submersible Sump Pump.



Figure 3: Detailed view of pump components.

4. SPECIFICATIONS

Parameter	Value
Power	1 HP
Max Flow Rate	3435 GPH
Max Lifting Height	25 Feet
Voltage	110-115 Volts
Cord Length	25 Feet
Material	Plastic

Parameter	Value
Item Weight	10.45 pounds
Package Dimensions	15.12 x 8.98 x 6.57 inches



Figure 4: Visual representation of key product parameters.

5. SETUP

1. **Choose Location:** Place the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in water during operation.
2. **Attach Hose:** Connect a suitable discharge hose to the pump's outlet. The hose connector can be cut to accommodate 1 inch, 1-1/4 inch, or 1-1/2 inch diameter hoses. Select the largest possible diameter for optimal flow.

HOSE CONNECTOR SIZE

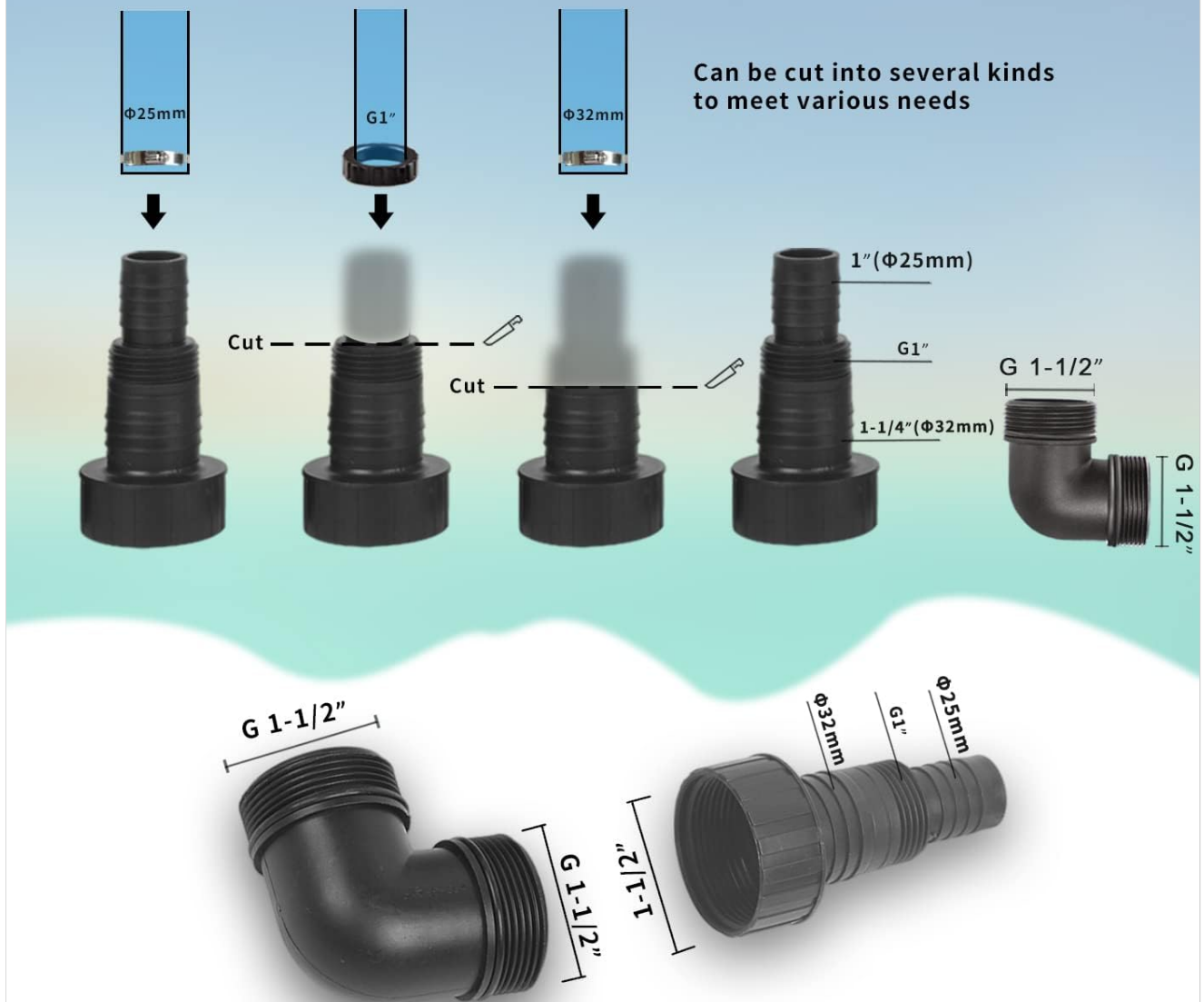


Figure 5: Hose connector size adjustment.

3. **Secure Hose:** Ensure the hose is securely fastened to prevent leaks or disconnections during operation.
4. **Position Discharge:** Route the discharge hose to a safe and appropriate drainage area, ensuring it does not create a tripping hazard or cause further flooding.
5. **Power Connection:** Plug the pump into a grounded 110-115V electrical outlet protected by a GFCI.

6. OPERATING INSTRUCTIONS

The pump features an integrated float switch with two operating modes: Manual and Automatic.

6.1. Manual Operation

- Set the float switch to the **MANUAL** position.
- The pump will operate continuously regardless of the water level.
- **Important:** In manual mode, the pump will not automatically shut off. You must monitor the water level and turn off the pump immediately once the minimum water level is reached to prevent dry running and potential damage.

6.2. Automatic Operation

- Set the float switch to the **AUTO** position.
- After plugging in, the pump will automatically turn on when the water level rises above the start level of the float switch.
- The pump will automatically turn off when the water level drops to the stop level of the float switch.
- This mode allows the pump to maintain a desired water level continuously, for example, in a cellar or boat.
- **Note:** While the pump operates automatically, regular monitoring is recommended to ensure proper function and prevent any issues or damage. This pump is not designed for continuous, unsupervised operation over extended periods without periodic checks.



Figure 6: Integrated float switch operation modes.



Figure 7: Typical application scenarios for the sump pump.

7. MAINTENANCE

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

- **Disconnect Power:** Always unplug the pump before any maintenance.
- **Clean Intake Screen:** Periodically check and clean the intake screen at the bottom of the pump to remove debris (leaves, small sticks, sediment) that could obstruct water flow or damage the impeller.
- **Inspect Float Switch:** Ensure the float switch moves freely and is not obstructed by debris or stuck in its housing.
- **Check Power Cord:** Inspect the power cord and plug for any signs of damage, cuts, or fraying. Do not use if damaged.
- **Winter Storage:** If storing the pump in freezing temperatures, drain all water from the pump and hose to prevent ice damage. Store in a dry, protected area.

8. TROUBLESHOOTING

Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not start	No power supply Float switch not activated (Auto mode) Thermal overload activated Impeller jammed	Check power connection and GFCI Ensure water level is above float switch start level Allow pump to cool down, then restart Disconnect power, clear debris from intake/impeller
Pump runs but no water flows or flow is weak	Clogged intake screen or hose Air lock in pump Hose kinked or too small diameter Discharge head too high	Disconnect power, clean intake screen and check hose for blockages Tilt pump to release trapped air Straighten hose, use appropriate diameter Ensure discharge height is within specifications
Pump runs continuously in Auto mode	Float switch stuck in ON position Water level not dropping below stop level	Disconnect power, check float switch for obstructions Ensure pump can reach the stop level
Pump makes unusual noise	Debris in impeller Dry running	Disconnect power, clear debris Ensure pump is fully submerged

9. WARRANTY AND SUPPORT

Each TOPWAY pump undergoes factory testing before shipment to ensure quality. For any questions, concerns, or issues with your product, please contact TOPWAY customer support. We are committed to responding and resolving your problems within 24 hours.

Please retain your purchase receipt as proof of purchase for any warranty claims.

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