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PROFLO PFTG92352P

PROFLO PFTG92352P 1/3 HP Cast Iron Submersible Sump Pump Instruction Manual

Model: PFTG92352P

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1. INTRODUCTION

This manual provides instructions for the safe installation, operation, and maintenance of your PROFLO PFTG92352P 1/3 HP Cast Iron Submersible Sump Pump. This pump is designed to remove unwanted water from sump pits in residential applications. Please read this manual thoroughly before installation and retain it for future reference.





Image 1.1: The PROFLO PFTG92352P 1/3 HP Cast Iron Submersible Sump Pump, featuring a robust cast iron body and an integrated vertical float switch for automatic operation.

2. IMPORTANT SAFETY INFORMATION

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

- Always disconnect power to the pump before servicing or making any adjustments.
- Do not operate the pump with a damaged cord or plug.
- Ensure the pump is properly grounded.
- Do not use this pump for flammable or corrosive liquids.
- Keep hands and feet clear of the pump inlet and discharge openings when the pump is connected to power.
- This pump is designed for clear water only. Do not use for sewage or other debris-laden water.
- Ensure the electrical circuit is protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not lift the pump by its power cord.
- Consult a qualified electrician if you are unsure about electrical connections.

3. SETUP AND INSTALLATION

3.1 Package Contents

- PROFLO PFTG92352P Submersible Sump Pump
- Vertical Float Switch (integrated)
- Instruction Manual

3.2 Sump Pit Preparation

Ensure the sump pit is clean and free of debris. The pit should be large enough to accommodate the pump and allow the float switch to operate freely without obstruction.

3.3 Pump Placement

Place the pump on a solid, level surface at the bottom of the sump pit. Avoid placing it directly on dirt or gravel, which can clog the intake. Use bricks or a solid block if necessary to elevate the pump slightly.

3.4 Discharge Piping

1. Connect a 1.5-inch PVC discharge pipe to the pump's discharge outlet. Use appropriate thread sealant for a watertight connection.
2. Install a check valve in the discharge line above the pump to prevent water from flowing back into the sump pit when the pump shuts off.
3. Route the discharge pipe to an appropriate drainage area, ensuring it is sloped away from the foundation.
4. Secure the discharge pipe to prevent movement during pump operation.

3.5 Electrical Connection

Connect the pump to a dedicated 120V AC, 60 Hz grounded electrical outlet. The circuit must be protected by a GFCI. Do not use extension cords.

4. OPERATING INSTRUCTIONS

4.1 Automatic Operation

The PROFLO PFTG92352P pump features an integrated vertical float switch for automatic operation. When the water level in the sump pit rises and lifts the float to its activation point, the pump will turn on. When the water level drops and the float returns to its lower position, the pump will turn off.

4.2 Testing the Pump

After installation, test the pump by slowly filling the sump pit with water. Observe the following:

- The pump should turn on when the water level reaches the float's activation point.
- Water should be discharged efficiently through the discharge pipe.
- The pump should turn off when the water level drops to the float's deactivation point.
- Check for any leaks in the discharge piping.

5. MAINTENANCE

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

5.1 Monthly Checks

- **Sump Pit:** Remove any debris, dirt, or sediment from the bottom of the sump pit that could obstruct the pump intake or float switch.
- **Float Switch:** Ensure the float switch moves freely and is not obstructed by the pit walls or other components. Manually lift the float to ensure the pump activates.
- **Discharge Line:** Check the discharge pipe for any blockages or leaks. Ensure the check valve is functioning correctly.
- **Power Cord:** Inspect the power cord for any signs of damage or wear.

5.2 Annual Cleaning

Annually, or more frequently if the pit accumulates significant sediment, disconnect the pump from power, remove it from the pit, and thoroughly clean the pump intake screen and impeller area. Rinse the pump and pit with clean water.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|---|---|
| Pump does not run | No power; tripped GFCI; float switch stuck; motor overload. | Check power supply; reset GFCI; free float switch; allow motor to cool and reset. |
| Pump runs continuously | Float switch stuck in ON position; check valve faulty; discharge line blockage. | Free float switch; inspect/replace check valve; clear discharge line. |
| Pump runs but moves little or no water | Clogged intake screen or impeller; air lock; discharge line blockage. | Clean intake/impeller; clear air lock (tilt pump); clear discharge line. |
| Pump cycles too frequently | Sump pit too small; float switch adjustment; faulty check valve. | Consider larger pit; adjust float switch range; inspect/replace check valve. |

7. SPECIFICATIONS

| | |
|--------------|------------|
| Model Number | PFTG92352P |
|--------------|------------|

| | |
|---------------------------------------|----------------------|
| Brand | PROFLO |
| Horsepower | 1/3 HP |
| Material | Cast Iron |
| Style | Submersible |
| Power Source | Corded Electric |
| Voltage | 120 Volts |
| Wattage | 912 watts |
| Product Dimensions (L x W x H) | 15.5" x 8.5" x 15.5" |
| Item Weight | 23.4 pounds |
| Discharge Size | 1.5" |
| Float Switch Type | Vertical |

8. WARRANTY INFORMATION

The PROFLO PFTG92352P Sump Pump is covered under PROFLO's **5-year limited warranty**. This warranty covers defects in material and workmanship under normal use and service. For full details regarding warranty terms, conditions, and exclusions, please refer to the warranty documentation included with your purchase or contact PROFLO customer service.

9. CUSTOMER SUPPORT

For technical assistance, replacement parts, or warranty claims, please contact PROFLO customer service. Have your model number (PFTG92352P) and date of purchase available when contacting support. **PROFLO Customer Service:** Refer to the contact information provided on the PROFLO website or your purchase documentation.

Online Resources: Visit the official PROFLO website for additional product information, FAQs, and support resources.