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Zoeller 508-0007

Zoeller 508-0007 Aquanot 508 ProPak98 Preassembled Sump Pump System with Battery Back-Up Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Zoeller 508-0007 Aquanot 508 ProPak98 Preassembled Sump Pump System with Battery Back-Up. This system is designed to provide reliable water removal and backup protection for your clear water sump.



Image: The Zoeller 508-0007 Aquanot 508 ProPak98 Preassembled Sump Pump System, showing the main pump, battery case, and control panel.

SAFETY INFORMATION

Please read and understand all safety warnings and instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Always disconnect power before servicing the pump or battery system.
- Ensure proper grounding for all electrical connections.
- Do not operate the pump in areas containing flammable liquids or gases.
- This system is designed for clear water sumps only. Do not use for sewage or other hazardous liquids.
- Wear appropriate personal protective equipment during installation and maintenance.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Model 98 12-volt DC pump
- Model 508 Aquanot 12 Volt DC backup system with pump
- Integrated DC pump discharge check valve
- Additional AC pump check valve
- Float switch
- Piping (pre-plumbed in 1-1/2" Schedule 40 PVC pipe)
- Tee and adapter fittings
- Battery case (Note: 12-volt battery NOT included)
- Control box with 10 amp battery recharger system

SETUP AND INSTALLATION

The Zoeller Aquanot 508 ProPak98 system comes preassembled for ease of installation. It is designed to be installed in a clear water sump pit.

1. **Sump Pit Preparation:** Ensure your sump pit is clean and free of debris. The pit must be large enough to accommodate the preassembled unit and allow for proper float switch operation.
2. **Positioning the System:** Carefully lower the preassembled pump system into the sump pit. Ensure it sits level and the float switch has unrestricted movement.
3. **Discharge Pipe Connection:** Connect the system's 1-1/2" PVC discharge pipe to your existing discharge line. Use appropriate PVC cement and primer for a watertight seal. The system includes integrated check valves for both AC and DC pumps.
4. **Battery Installation:**
 - Obtain a compatible 12-volt battery (Group size 27, 29, or 31). The battery is not included.
 - Place the battery inside the provided non-corrodible polyethylene battery case. Maximum battery dimensions: 13" L x 7.5" W x 9.5" H (33 cm L x 19 cm W x 24 cm H).
 - Connect the battery cables from the control box to the battery terminals, ensuring correct polarity (red to positive, black to negative).
5. **Electrical Connections:**
 - Plug the AC pump power cord into a grounded 120V AC outlet.
 - Plug the control box power cord into a separate grounded 120V AC outlet.
 - The control box will begin charging the battery and performing system diagnostics.
6. **Auxiliary Alarm Contact (Optional):** If desired, connect the auxiliary alarm contacts on the control box to a home security alarm system or auto-dialer for remote notification. Refer to your security system's manual for connection details.
7. **Test Operation:** Fill the sump pit with water to activate the primary AC pump. Verify that water is discharged correctly. Then, simulate a power outage (by unplugging the AC pump) to test the battery backup system. The DC pump should activate, and the alarm should sound.

OPERATING INSTRUCTIONS

The Aquanot 508 ProPak98 system operates automatically to protect your basement from flooding.

Primary AC Pump Operation

The main AC pump will activate when the water level in the sump pit rises and lifts its float switch. It will pump water out until the float switch drops to its off position.

Battery Back-Up DC Pump Operation

In the event of a power outage or primary pump failure, the 12-volt DC backup pump will automatically engage when its dedicated float switch is activated by rising water. The control box will sound an alarm and illuminate indicators to alert you to the backup system's operation.

Control Box and LCD Screen

The control box features a solid-state, automatic 10 amp battery recharger system. The LCD screen continuously displays the battery voltage and other system information. It also provides alarms, light indicators, and warning systems for various operational states, including battery burn-out and overcharge protection.

MAINTENANCE

Regular maintenance ensures the longevity and reliability of your sump pump system.

- **Monthly Test:** Manually lift the float switch for both the AC and DC pumps to ensure they activate and pump water. Verify that the backup alarm sounds during DC pump operation.
- **Battery Check:** Periodically check the battery terminals for corrosion. Clean if necessary. Ensure the battery fluid levels (if applicable for wet cell batteries) are maintained. The LCD screen will display battery voltage.
- **Sump Pit Cleaning:** Annually, or more frequently if needed, clean the sump pit of any sediment, dirt, or debris that could interfere with pump or float switch operation.
- **Float Switch Inspection:** Ensure both float switches move freely and are not obstructed by wires, pipes, or debris.
- **Check Valves:** Inspect check valves for proper function and ensure they are not leaking.

TROUBLESHOOTING

If your system is not operating as expected, consider the following common issues:

Problem	Possible Cause	Solution
Pump does not turn on.	No power; tripped breaker; float switch obstructed; pump clogged.	Check power supply and breaker. Clear float switch. Inspect pump intake for clogs.
Pump runs continuously.	Float switch stuck in "on" position; check valve faulty; discharge pipe blockage.	Clear float switch. Inspect/replace check valve. Clear discharge pipe.
Backup pump alarm sounds.	Power outage; primary pump failure; low battery voltage.	Check AC power. Inspect primary pump. Check battery connections and charge level.
Water not discharging.	Discharge pipe blockage; pump impeller clogged; faulty pump.	Clear discharge pipe. Inspect and clean pump impeller. Contact support if pump is faulty.

If problems persist, contact Zoeller customer support or a qualified technician.

SPECIFICATIONS

Model: 508-0007

Brand: Zoeller

Power Source: Battery Powered (12 Volts DC for backup, 120V AC for primary)

Voltage: 12 Volts (DC)

Maximum Flow Rate: 72 Gallons Per Minute

Item Weight: 57.8 Pounds

Product Dimensions: 8.5" L x 8.5" W x 10.5" H

Material: Cast Iron, Stainless Steel, Polyvinyl chloride, Plastic

Battery Requirement: 1 x 12V battery required (not included). Compatible with Group size 27, 29, and 31 batteries.

Special Features: Aquanot battery: Size 31 wet P/N 10-0761. Size 27 AGM P/N 10-1450 (sold separately)

WARRANTY INFORMATION

This Zoeller 508-0007 Aquanot 508 ProPak98 Sump Pump System is covered by a **3-year limited warranty** from the date of purchase. For detailed warranty terms and conditions, please refer to the official Zoeller documentation or contact Zoeller customer support.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or warranty claims, please contact Zoeller customer support. Visit the official Zoeller website for contact information and additional resources.

[Zoeller Official Website](#)

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