

## Zoeller 105-0001

# Zoeller 105-0001 Sump Pump Instruction Manual

Model: **105-0001**

Brand: **Zoeller**

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Zoeller 105-0001 Sump Pump. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.

## SAFETY INFORMATION

### General Safety Precautions

- Always disconnect power before servicing.
- Do not operate the pump dry.
- Ensure proper grounding.
- Keep hands clear of moving parts.
- Wear appropriate personal protective equipment (PPE).

## SETUP

### Unpacking and Inspection

Unpack all components and inspect for any shipping damage. Report any damage to the carrier immediately.

### Components Overview

The Zoeller 105-0001 package includes:

- Sump Pump Unit
- Collection Basin
- Check Valve
- Necessary Fittings and Hardware

## Installation Steps

### 1. Basin Placement

Place the collection basin in the desired location, ensuring it is level and stable. The basin should be positioned to effectively collect water from the intended drainage area.

### 2. Pump Installation

Carefully lower the sump pump unit into the collection basin. Ensure the pump is seated securely at the bottom of the basin.



This image displays the complete Zoeller 105-0001 Sump Pump package, including the green cast iron pump unit, the black collection basin, and the green check valve with connecting pipes.

### 3. Plumbing Connections

Connect the discharge pipe to the pump's outlet. Install the check valve in the discharge line to prevent backflow. Ensure all connections are tight and leak-free. The discharge pipe should be 1-1/2" NPT.

### 4. Venting

Proper venting is crucial for efficient operation. Connect a vent line to the basin as per local plumbing codes. This allows air to escape as the basin fills and prevents airlock.

## 5. Electrical Connection

Connect the pump to a grounded 115V/1 Ph electrical outlet. The pump comes with a 9 ft. UL listed 3-wire cord and plug. Ensure the circuit is protected by a Ground Fault Circuit Interrupter (GFCI).

## OPERATING INSTRUCTIONS

The Zoeller 105-0001 Sump Pump features an automatic, float-operated mechanical switch. The pump will activate automatically when the water level in the basin rises and lifts the float, and will turn off once the water level drops and the float returns to its lower position.

### Initial Start-up

After installation, fill the basin with water to test the pump's operation. Observe the pump activating, discharging water, and deactivating. Check for any leaks or unusual noises.

## MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your sump pump.

### Monthly Checks

- Verify the float switch moves freely and is not obstructed.
- Pour water into the basin to ensure the pump cycles on and off correctly.
- Inspect the power cord for any damage.

### Annual Cleaning

Disconnect power. Remove the pump from the basin. Clean any debris from the pump's intake and the basin. The non-clogging vortex impeller is designed to pass 1/2" spherical solids and laundry lint, but periodic cleaning is still recommended.

## TROUBLESHOOTING

### Common Issues and Solutions

Problem	Possible Cause	Solution
Pump does not run.	No power; tripped GFCI; float switch obstructed.	Check power supply; reset GFCI; clear float switch obstruction.
Pump runs but does not pump water.	Air lock; clogged intake/discharge; check valve stuck closed.	Relieve air lock; clear clogs; inspect check valve.
Pump runs continuously.	Float switch stuck open; check valve leaking.	Clear float switch; inspect/replace check valve.

## SPECIFICATIONS

**Model:** 105-0001  
**Brand:** Zoeller  
**Power Source:** AC/DC

**Voltage:** 115 Volts (AC)  
**Horsepower:** 0.5 HP  
**Maximum Flow Rate:** 43 Gallons Per Minute  
**Discharge Size:** 1-1/2" NPT  
**Cord Length:** 9 Feet  
**Item Weight:** 30 Pounds  
**Product Dimensions:** 14.5"L x 14.5"W x 12.5"H  
**Impeller Type:** Non-clogging vortex  
**Switch Type:** Automatic, float operated mechanical

WARRANTY

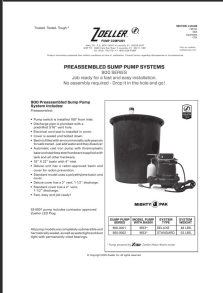

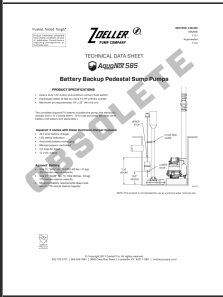
The Zoeller 105-0001 Sump Pump typically comes with a 1-year warranty. Please refer to the warranty card included with your product for specific terms and conditions. For extended protection, consider available protection plans.


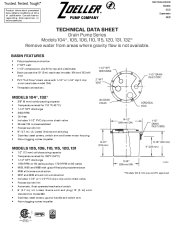
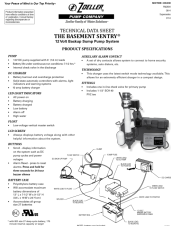
SUPPORT

For technical assistance, replacement parts, or warranty claims, please contact Zoeller customer support. You may also find additional resources and FAQs on the official Zoeller website.

**Official Installation Manual (PDF):** [Download Here](#)

Related Documents - 105-0001

	<p><a href="#">Zoeller 900 Series Preassembled Sump Pump Systems - Easy Installation</a></p> <p>Discover the Zoeller 900 Series preassembled sump pump systems, designed for fast and easy installation. Features include automatic float switch, durable cast iron pump, and various basin options for residential and commercial use. Learn about model specifications and performance.</p>
	<p><a href="#">Zoeller APak Alarm Systems: High Water and Sump Pump Monitoring</a></p> <p>Learn about Zoeller's APak Alarm Systems, including indoor and outdoor models with Z Control® features for reliable high water notification, pump failure alerts, and remote monitoring.</p>
	<p><a href="#">Zoeller AquaNot 585 Battery Backup Pedestal Sump Pump Technical Data Sheet</a></p> <p>Detailed technical specifications and performance data for the Zoeller AquaNot 585 Battery Backup Pedestal Sump Pump system, including product features, battery requirements, and installation cautions.</p>

	<p><a href="#">Zoeller Aquanot Fit 508/53/63/98 Sump Pump System Installation Guide</a></p> <p>Comprehensive installation instructions for the Zoeller Aquanot Fit 508/53/63/98 preassembled sump pump system with 12V DC battery backup. Learn about setup, operation, and maintenance.</p>
	<p><a href="#">Zoeller Drain Pump Series Technical Data Sheet</a></p> <p>Technical data sheet for Zoeller Drain Pump Series, including models 104, 105, 106, 110, 115, 120, 131, and 132. Provides specifications, performance curves, and model comparisons for various drain pump applications.</p>
	<p><a href="#">Zoeller Basement Sentry 12 Volt Backup Sump Pump System Technical Data Sheet</a></p> <p>Technical data sheet for the Zoeller Basement Sentry 12 Volt Backup Sump Pump System, including product specifications, pump details, DC charger information, LED indicators, float switch, LCD screen, buttons, battery case, auxiliary alarm contact, technology, fittings, performance data, and warranty information.</p>