

Star 1102RP

Star 1102RP Replacement Pump User Manual

For S1101 & S1102 PowerFlush Sewage Ejector Add-on Bathroom Systems

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Star 1102RP Replacement Pump. This pump is specifically designed as a replacement for the S1101 and S1102 PowerFlush Sewage Ejector Add-on Bathroom Systems. Please read this manual thoroughly before attempting any installation or operation to ensure safety and optimal performance.



Image: The Star 1102RP Replacement Pump, a robust unit with a float switch attached, designed for sewage ejector systems.

SAFETY INFORMATION

Always disconnect power before servicing the pump or system. Ensure all electrical connections comply with local codes. Wear appropriate personal protective equipment (PPE) during installation and maintenance. Do not operate the pump dry.

SETUP AND INSTALLATION

The 1102RP pump is designed for direct replacement in S1101 and S1102 systems. Professional installation is recommended.

1. **Preparation:** Ensure the existing system is completely drained and disconnected from power. Remove the old pump carefully.
2. **Placement:** Position the new 1102RP pump securely within the sewage ejector basin. The pump is heavy-duty and may not require the original mounting bracket from older, lighter models.
3. **Piping Connection:** Connect the pump's discharge outlet to the existing discharge piping. Ensure a tight, leak-free connection.
4. **Float Switch Adjustment:** Verify the float switch operates freely and is set to activate the pump at the appropriate

liquid level and deactivate it before the basin empties completely.

5. **Electrical Connection:** Connect the pump's power cord to a grounded electrical outlet, ensuring it is on a dedicated circuit as per local electrical codes.
6. **Testing:** Once installed, slowly fill the basin with water to test the pump's activation and deactivation cycles. Check for any leaks.



Image: A flag of the United States of America with the text "MADE IN THE USA" below it, indicating the product's origin.

OPERATING INSTRUCTIONS

The Star 1102RP pump operates automatically via its integrated float switch. When the liquid level in the basin rises to the activation point, the pump will turn on and discharge the contents. It will turn off once the liquid level drops to the deactivation point.

- Ensure the pump is always submerged when operating to prevent dry running.
- Do not dispose of non-biodegradable items, excessive grease, or harsh chemicals into the system, as this can damage the pump.
- Listen for unusual noises during operation, which may indicate a problem.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your 1102RP pump.

- **Annual Inspection:** Annually inspect the pump and basin for debris buildup. Clear any obstructions around the float switch and pump intake.
- **Check Connections:** Periodically check all piping and electrical connections for tightness and signs of wear.
- **Clean Basin:** If accessible and safe, periodically clean the basin to prevent accumulation of solids that could impede pump operation.
- **Float Switch Check:** Manually lift and lower the float switch to ensure it moves freely and activates/deactivates the pump correctly.

Always disconnect power before performing any maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not turn on.	No power; Float switch stuck; Motor failure.	Check power supply/breaker; Clear float switch; Contact qualified technician.
Pump runs continuously.	Float switch stuck in ON position; Check valve failure; Obstruction in discharge line.	Clear float switch; Inspect/replace check valve; Clear discharge line.
Pump is noisy or vibrates excessively.	Debris in impeller; Worn bearings.	Disconnect power and clear impeller; Contact qualified technician for bearing replacement.
Pump cycles too frequently.	Float switch set too low; Backflow from discharge line.	Adjust float switch; Inspect/replace check valve.

SPECIFICATIONS

- Model:** 1102RP
- Brand:** Star
- Material:** Cast Iron, Stainless Steel
- Item Weight:** 40 Pounds
- Color:** Black
- Style:** Above Ground
- Manufacturer:** Star Water Systems
- UPC:** 054757054502
- Compatible Systems:** S1101, S1102 PowerFlush Sewage Ejector Add-on Bathroom Systems

WARRANTY INFORMATION




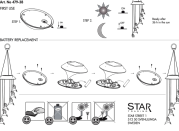


The Star 1102RP Replacement Pump comes with a**90 Day Manufacturer's Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For warranty claims or detailed terms and conditions, please refer to the warranty card included with your product or contact Star Water Systems directly.

CUSTOMER SUPPORT

For technical assistance, parts, or service inquiries, please contact Star Water Systems customer support. Have your model number (1102RP) and purchase date ready when contacting support.

Manufacturer: Star Water Systems
Please visit the official Star Water Systems website for the most current contact information.



	<p>Accutime Watch User Manual and Limited Warranty Information</p> <p>Comprehensive guide to starting your Accutime watch, battery replacement, service procedures, and understanding the one-year limited warranty. Includes instructions for band and strap changes.</p>
	<p>StyleWell Electric Fireplace Use and Care Guide</p> <p>This guide provides essential information for the safe operation, assembly, care, and troubleshooting of the StyleWell Electric Fireplace (model 18WM390-17008). It includes safety warnings, warranty details, and replacement parts information.</p>
	<p>Product Instructions: 13.7\" Propane Gas Outdoor Patio Heater Thermocoupler Replacement</p> <p>Detailed instructions and safety warnings for installing a 13.7\" long propane gas outdoor patio heater replacement thermocouple. Learn about proper connection and when to seek professional installation.</p>
	<p>Star Trading Art. No 479-38 Solar Chime Instructions</p> <p>Instructions for the first use and battery replacement of the Star Trading Art. No 479-38 solar chime.</p>
	<p>Duraflame 48HF201CGT Electric Fireplace User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the Duraflame 48HF201CGT electric fireplace, covering safety instructions, setup, operation, troubleshooting, and replacement parts.</p>
	<p>Duraflame 23IRM5736 Electric Fireplace User Manual & Specifications</p> <p>This document provides comprehensive operating instructions, safety precautions, product specifications, troubleshooting tips, and warranty information for the Duraflame 23IRM5736 electric fireplace, model 23II800GRA, manufactured by Twin-Star International.</p>