

Flotec 2305

Flotec Simer Geyser II 2305-04 1/4 HP Submersible Utility Pump User Manual

Model: 2305-04

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Flotec Simer Geyser II 2305-04 1/4 HP Submersible Utility Pump. Designed for various water transfer applications, this pump features a durable thermoplastic body and a reliable 1/4 HP motor. Please read this manual thoroughly before use and retain it for future reference.





Figure 1: Flotec Simer Geyser II 2305-04 Submersible Utility Pump.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions can result in serious injury or property damage.

- Always disconnect the pump from the power source before handling, servicing, or performing any maintenance.
- Do not operate the pump with a damaged cord or plug.
- Ensure the electrical outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not use this pump for flammable or corrosive liquids.
- Keep children and pets away from the pump during operation.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- Do not run the pump dry for extended periods, as this can cause overheating and damage.

3. PRODUCT OVERVIEW AND COMPONENTS

The Simer Geyser II is a compact and efficient submersible utility pump designed for various water removal tasks. Key components include:

- **Thermoplastic Corrosion-Resistant Body:** Ensures durability and longevity in various water conditions.
- **1/4 HP Oil-Filled Motor:** Provides dependable high efficiency for water transfer.
- **8-Foot Power Cord:** Offers sufficient reach for most applications.
- **Garden Hose Adapter:** Allows for easy connection to standard garden hoses for discharge.
- **Built-in Thermal Overload Protection:** Automatically shuts off the pump if it overheats, preventing damage.

4. SPECIFICATIONS

Feature	Detail
Model Number	2305-04
Brand	Flotec (Manufactured by Simer)
Horsepower	1/4 HP (0.25 HP)
Voltage	115 Volts
Maximum Flow Rate	1260 Gallons Per Hour (GPH) / 21 Gallons Per Minute (GPM)
Material	Thermoplastic
Item Weight	4.5 Pounds
Product Dimensions	7.5 x 7.5 x 12.75 inches
Power Source	Corded Electric
Cord Length	8 feet

5. SETUP AND INSTALLATION

1. **Position the Pump:** Place the pump on a stable, level surface in the area where water needs to be removed. Ensure the intake screen at the bottom is clear of debris.
2. **Connect Discharge Hose:** Attach a standard garden hose to the pump's discharge port using the provided garden hose adapter. Ensure the connection is secure to prevent leaks. Route the discharge hose to a suitable drainage area, ensuring the water will not return to the area being pumped.
3. **Electrical Connection:** Plug the 8-foot power cord into a properly grounded 115-volt electrical outlet protected by a GFCI. Ensure your hands are dry before plugging in the pump.
4. **Submerge the Pump:** Ensure the pump is fully submerged in the water before starting operation. The pump is designed to operate while submerged.

6. OPERATION

1. **Starting the Pump:** Once the pump is properly set up and submerged, plug it into the GFCI-protected outlet. The pump will begin to operate immediately.

- 2. **Monitoring Operation:** Observe the water discharge to ensure the pump is functioning correctly. The pump has a maximum pumping capacity of 1260 GPH.
- 3. **Thermal Overload Protection:** The pump is equipped with built-in thermal overload protection. If the motor overheats, the pump will automatically shut off. Allow the pump to cool down for approximately 30 minutes before attempting to restart it. Address any potential causes of overheating, such as running dry or blockages.
- 4. **Stopping the Pump:** To stop the pump, simply unplug it from the electrical outlet.
- 5. **Preventing Dry Running:** Avoid running the pump dry for extended periods. While the pump has thermal protection, prolonged dry running can reduce its lifespan. Monitor water levels and unplug the pump once the desired water level is reached.

7. MAINTENANCE

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

- **Cleaning the Intake Screen:** Periodically inspect and clean the intake screen at the bottom of the pump. Debris such as leaves, silt, or small objects can clog the screen and reduce pumping efficiency. Disconnect power before cleaning.
- **Storage:** If storing the pump for an extended period, especially in freezing temperatures, ensure all water is drained from the pump and hose to prevent damage. Store in a dry, protected area.
- **General Inspection:** Regularly check the power cord and plug for any signs of damage. Inspect the pump body for cracks or leaks.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or hums but does not pump.	◦ No power to the pump. ◦ Clogged intake screen or impeller. ◦ Thermal overload activated. ◦ Air lock.	◦ Check power supply, GFCI, and circuit breaker. ◦ Disconnect power and clean intake screen/impeller. ◦ Allow pump to cool down for 30 minutes. ◦ Slightly tilt the pump while submerged to release trapped air.
Reduced water flow.	◦ Partially clogged intake screen or discharge hose. ◦ Excessive discharge head (pumping too high). ◦ Kinked or restricted discharge hose.	◦ Disconnect power and clean intake screen/hose. ◦ Reduce the height the water is being pumped. ◦ Straighten the discharge hose.
Pump runs continuously without water.	◦ Water level too low for effective pumping. ◦ Pump running dry.	◦ Unplug the pump once water is removed to prevent dry running. ◦ Monitor water levels during operation.

9. WARRANTY AND SUPPORT

The Flotec Simer Geyser II 2305-04 Submersible Utility Pump comes with a **1-year limited warranty** from the

manufacturer, Simer. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical assistance, or replacement parts, please contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Simer
Brand: Flotec

ASK A QUESTION ABOUT THIS MANUAL

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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