

Simer M40P

Simer M40P Mini-Vac Utility Pump Kit Instruction Manual

Model: **M40P** | Brand: **Simer**

1. INTRODUCTION

The Simer M40P Mini-Vac Utility Pump Kit is designed for efficient water transfer and dewatering in various situations. This non-submersible utility pump is ideal for both emergency use, such as removing water from flooded areas, and everyday tasks like draining water from small pools, water beds, or other containers. It is a versatile tool for managing unwanted water.

2. SAFETY INFORMATION

WARNING: Read and understand all safety instructions before operating this pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Do not run pump dry:** Operating the pump without water can cause severe damage to the motor and internal components.
- **Do not pump flammable liquids:** This pump is designed exclusively for water. Pumping flammable liquids such as gasoline, oil, or solvents can lead to fire or explosion.
- **Pump only water with this pump:** Ensure only clean water is pumped to prevent damage and ensure safe operation.
- **Electrical Safety:** This pump operates on 115V, 60Hz AC/DC power. Always connect to a properly grounded outlet. Do not use extension cords that are not rated for outdoor use or are damaged. Keep all electrical connections dry.
- **Thermal Protection:** The pump is thermally protected, meaning it will automatically shut off if it overheats to prevent damage. Allow it to cool down before restarting.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Verify that all items are present in your Simer M40P Mini-Vac Utility Pump Kit:

- Simer M40P Non-Submersible Utility Pump
- Garden Hose (for discharge)
- Scoop Attachment (for water intake)

4. SETUP

1. **Positioning the Pump:** Place the pump on a stable, level surface near the water source. Ensure the pump motor is not submerged in water, as this is a non-submersible unit.
2. **Connecting the Intake:** Attach the scoop attachment to the intake port of the pump (the side without the brass fitting). Ensure a tight connection to prevent air leaks, which can affect priming.
3. **Connecting the Discharge Hose:** Connect the garden hose to the discharge port of the pump (the side with the brass fitting). Route the hose to the desired discharge location, ensuring it is free of kinks and obstructions. The discharge point should ideally be lower than the pump for optimal flow.
4. **Submerging the Intake:** Place the scoop attachment into the water you wish to pump. Ensure the scoop is fully submerged.
5. **Power Connection:** Plug the pump's power cord into a grounded 115V AC/DC electrical outlet.



Figure 4.1: Simer M40P pump with intake and discharge hoses connected.



Figure 4.2: Overview of the Simer M40P Mini-Vac Utility Pump Kit.

5. OPERATING INSTRUCTIONS

1. **Initiating Pumping:** Once the pump is set up and the intake is submerged, plug the power cord into the electrical outlet. The pump will begin to operate immediately as it does not have an on/off switch.
2. **Monitoring Operation:** Observe the water flow from the discharge hose. The pump is designed for efficient and relatively fast water transfer.
3. **Stopping the Pump:** To stop the pump, simply unplug the power cord from the electrical outlet.
4. **Preventing Dry Running:** Always ensure the intake remains submerged in water during operation. If the water level drops below the intake, unplug the pump immediately to prevent damage.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Simer M40P pump.

- **Cleaning:** After each use, especially if pumping dirty water, flush the pump with clean water to remove any debris. Disconnect hoses and clean the scoop attachment.
- **Inspection:** Periodically inspect the power cord, hoses, and pump body for any signs of wear, damage, or leaks. Replace damaged components as necessary.
- **Storage:** Store the pump in a dry, protected area when not in use. Ensure it is drained of all water to prevent freezing damage in cold climates.
- **Thermal Protection:** If the pump shuts off due to overheating, allow it to cool down completely (approximately 30 minutes) before attempting to restart. Address any potential causes of overheating, such as restricted flow or dry running.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start.	No power; Thermal overload activated; Clogged intake/impeller.	Check power connection and outlet; Allow pump to cool down; Clear any obstructions from intake and impeller.
Low or no water flow.	Intake not fully submerged; Air leak in intake hose; Clogged intake/discharge hose; Pump running dry.	Ensure intake is fully submerged; Check all hose connections for tightness; Clear any blockages; Immediately unplug if running dry and re-submerge intake.
Pump runs but no water is discharged.	Pump not primed; Air lock; Intake not submerged.	Ensure intake is fully submerged and free of air; Check for air leaks in intake line.
Pump is excessively noisy.	Debris in impeller; Pump running dry.	Disconnect power and inspect impeller for debris; Ensure pump is not running dry.

8. SPECIFICATIONS

Model: M40P

Brand: Simer

Manufacturer: Sta-Rite Industries LLC

Product Type: Non-Submersible Utility Pump

Power Source: AC/DC

Voltage: 115 Volts

Frequency: 60 Hz

Amperage: 2.0 Amps

Horsepower: 1/12 HP

Maximum Flow Rate: 6 Gallons Per Minute

Maximum Lifting Height: 9 Feet

Material: Thermoplastic

Item Weight: 6.1 Pounds (approx. 6.05 pounds)

Product Dimensions: 9.53 x 9.56 x 7.46 inches

Thermal Protection: Yes

Country of Origin: Made In China

9. WARRANTY INFORMATION

The Simer M40P Mini-Vac Utility Pump Kit comes with a **90-day warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for any warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or contact the manufacturer.

10. SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Simer M40P Mini-Vac Utility Pump

Kit, please contact the manufacturer, Sta-Rite Industries LLC. Refer to the contact information provided on the product packaging or the official Simer website for the most up-to-date support details.