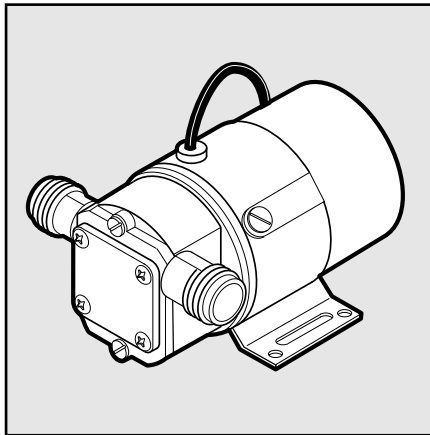


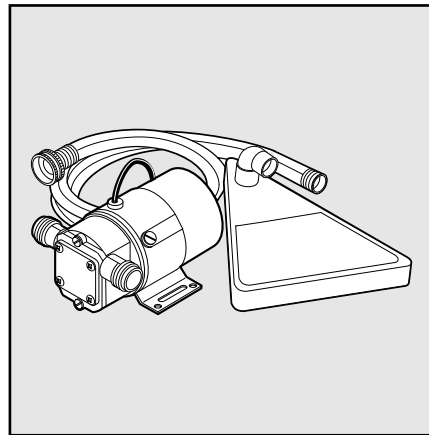


OWNER'S MANUAL
Mini-Vac®

293 Wright St., Delavan, WI 53115
Phone: 1-800-468-7867
Fax: 1-800-390-5351



Model M40-01



Model M40P-01, M40P-03

Installation/Operation/Parts

*For further operating,
installation, or maintenance
assistance:*

Call 1-800-468-7867

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PRINTED IN U.S.A.

SIM725 (Rev. 9/24/03)

INSTALLATION

1. Locate pump as close as possible to water being pumped. Pump must be less than 10 feet (3m) above water reservoir and less than 25 feet (7.6m) to one side of reservoir.
2. **To help priming, pour one tablespoon of cooking oil or mineral oil in inlet port before each use.** Do this every time you start the pump.
3. Mount pump solidly on a stable platform.

▲ WARNING Risk of electrical shock.

Protect motor from rain or washdown; it is enclosed but not waterproof.

4. Make sure washer in inlet fitting is clean and in good condition. If this joint leaks air in, pump will not operate.
5. Install a strainer or the Pud-L-Scoop® to protect the pump from large solids (Pud-L-Scoop® is included with Models M40P-01 and M40P-03 only). When attached to a water suction pump, the Pud-L-Scoop® will pump water down to within 1/8" of the surface it is sitting on. Uses include floors, roofs, pool covers, and boat bilges. The threadless rubber grommet can be connected to a 3/4" pipe or garden hose. The washer end of the rubber grommet inserts into the Pud-L-Scoop® and the tapered end is for the hose connection. Place the Pud-L-Scoop® at the lowest point in the area to be pumped and it is ready for use.
6. Attach inlet and discharge hoses to pump. Use a reinforced inlet hose 1/2" (12.7mm) in diameter or larger. Be sure inlet hose is airtight and that both hoses are free of kinks and restrictions.
7. Make sure hoses are as straight as possible. Coils in the hoses can develop enough friction to prevent pump from operating.
8. When pumping from a well or stream, raise inlet hose a few inches from the bottom to prevent pump sucking sand, silt or pebbles (foreign matter will disable impeller).
9. Plug motor cord into a 3-wire grounded 115 volt 60 Hz. A.C. outlet. If necessary, use a 3-wire, grounded extension cord to connect the pump motor to the grounded outlet. Use a size 16 AWG cord up to 25 feet; do not use a cord more than 25 feet long. Keep the pump, cord, and outlet dry at all times.

▲ WARNING

Hazardous voltage

Use this pump only on 115 volt circuit. Pump is equipped with an approved 3-conductor cord and 3-prong, grounding-type plug. To reduce the risk of electric shock, be certain that it is connected to a properly grounded, grounding-type receptacle.

Where a 2-prong wall receptacle is encountered, it must be replaced with a properly grounded 3-prong receptacle installed in accordance with the National Electrical Code and local codes and ordinances.

NOTICE: PUMP DEPENDS ON LIQUID BEING PUMPED FOR LUBRICATION. DO NOT RUN PUMP DRY!

10. Pump should prime within 30 seconds. If not, unplug pump and do the following:
 - a. Disconnect inlet hose at pump. Pour another tablespoon of mineral oil into inlet port.
 - b. Check washers in inlet hose and make sure inlet line is airtight.
 - c. Make sure inlet and discharge line are free of kinks and restrictions.
 - d. Make sure pump is less than 10' (3m) above and 25' (7.6m) to one side of water source.
11. If pump does not prime within 30 seconds, check step 10. If pump still fails to prime, do the following:
 - a. If impeller is worn, replace it.
 - b. If pump head is internally worn, replace it.
 - c. Remember to add one tablespoon of oil every time you start the pump.

NOTICE: When using the Pud-L-Scoop®, inspect the washer in the garden hose fitting to be sure it is in good condition. Be sure connections are air tight.

The Pud-L-Scoop® requires at least 1/2" (12.7mm) minimum water depth to prime.

OPERATION

NOTICE: Do not run pump dry. Pump depends on water being pumped for lubrication. If pump does not prime in less than 30 seconds, recheck installation and plumbing.

Pump will deliver 330 gallons (1249L) per hour (5.5 gallons (20.8L) per minute) when discharge is not restricted. As discharge is restricted and discharge pressure increases, capacity will decrease.

Do not operate pump continuously at a discharge pressure of more than 12 psi (83 kPa) or discharge lift of more than 28' (8.5M). Motor will exceed the normal safe operating temperature and can heat to 180°-190° F (82°-88° C) when operated continuously at discharge lifts of more than 28' (8.5M).

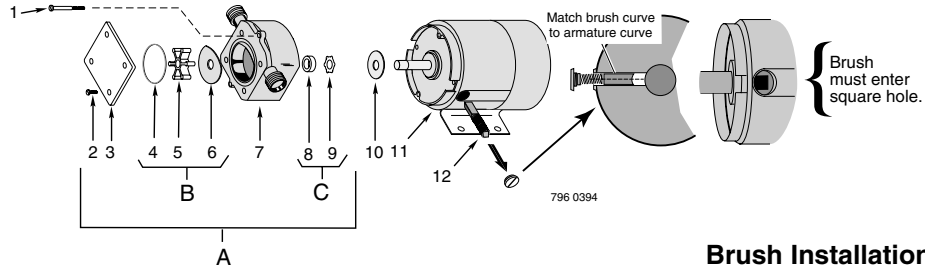
Motor overload may trip if motor temperature rises too high. Motor must have air circulation around it for proper cooling. If motor overload trips, allow motor to cool for 30 minutes before attempting to start pump.

▲ CAUTION

Risk of burns. During normal operation, motor case may heat enough to burn you. Do not touch the motor when it is hot. Plug motor cord into 3-wire grounded 115 volt A.C. outlet 60 Hz.

▲ WARNING

Risk of fire or explosion if used to pump flammable liquids or if used in explosive atmospheres. Pump water only with this pump! Pump is designed to pump at water temperatures between 32°-77° F (0°-25° C) only.



Brush Installation

**MODELS M40-01, M40P-01 and M40P-03
REPAIR PARTS**

Key No.	Part Description	Qty.
1	10-32x1-3/4 Phil. Hd Screw*	2
2	#8x5/8 Phil. Hd Screw	4
3	End Cover	1
4	O-Ring	1
5	Impeller	1
6	Wear Plate – Ellipse	1
7	Pump Body	1
8	U Cup Seal	1
9	Retainer	1
10	Slinger	1
11	Motor**	1
12	Motor Brush and Spring Set	2

* Standard hardware item; purchase locally.

** If motor fails, replace entire pump.

Pump Head Assembly No. RP4940-21
includes Key Nos. 2 through 9 (Bracket A).

Impeller Only No. 416-010 Key No. 5.

Service Kit No. FP003414S
includes Key Nos. 4 through 6 (Bracket B) and 8 and 9 (Bracket C).

Brush Kit No. FP003415S
includes a pair of replaceable brushes, springs, and caps, Key No. 11.

Pud-L-Scoop® No. FP000349A
includes the Pud-L-Scoop®, and a 6' garden hose with washer.

Slinger Only No. RP0001616 Key No. 10.

For parts or assistance, call Simer Customer Service at 1-800-468-7867

Simer Limited Warranty

SIMER warrants to the original consumer purchaser ("Purchaser") of its products that they are free from defects in material or workmanship.

If within twelve (12) months from the date of the original consumer purchase any such product shall prove to be defective, it shall be repaired or replaced at SIMER's option, subject to the terms and conditions set forth below. Your original receipt of purchase is required to determine warranty eligibility.

Exceptions to the Twelve (12) Month Warranty

Ninety (90) Day Warranty:

If within ninety (90) days from original consumer purchase any Drill Pump or MiniVac Pump shall prove to be defective, it shall be replaced, subject to the terms set forth below.

Two (2) Year Warranty:

If within two (2) years from original consumer purchase, any 1/3 HP Submersible Sump Pump, or Models 2330, 2300 or A5500, shall prove to be defective, it shall be repaired or replaced at SIMER's option, subject to the terms and conditions set forth below.

Three (3) Year Warranty:

If within three (3) years from original consumer purchase any 4" Submersible Well Pump, 1/2 HP Submersible Sump Pump, or Booster Pump Model 3075SS shall prove to be defective, it shall be repaired or replaced at SIMER's option, subject to the terms and conditions set forth below.

Five (5) Year Warranty:

If within five (5) years from original consumer purchase any Pre-Charge water system tank shall prove to be defective, it shall be repaired or replaced at SIMER's option, subject to the terms and conditions set forth below.

General Terms and Conditions

Purchaser must pay all labor and shipping charges necessary to replace product covered by this warranty. This warranty shall not apply

to acts of God, nor shall it apply to products which, in the sole judgement of SIMER, have been subject to negligence, abuse, accident, misapplication, tampering, alteration; nor due to improper installation, operation, maintenance or storage; nor to other than normal application, use or service, including but not limited to, operational failures caused by corrosion, rust or other foreign materials in the system, or operation at pressures in excess of recommended maximums.

Requests for service under this warranty shall be made by returning the defective product to the Retail outlet or to SIMER as soon as possible after the discovery of any alleged defect. SIMER will subsequently take corrective action as promptly as reasonably possible. No requests for service under this warranty will be accepted if received more than 30 days after the term of the warranty.

This warranty sets forth SIMER's sole obligation and purchaser's exclusive remedy for defective products.

SIMER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE APPLICABLE EXPRESS WARRANTIES PROVIDED HEREIN.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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