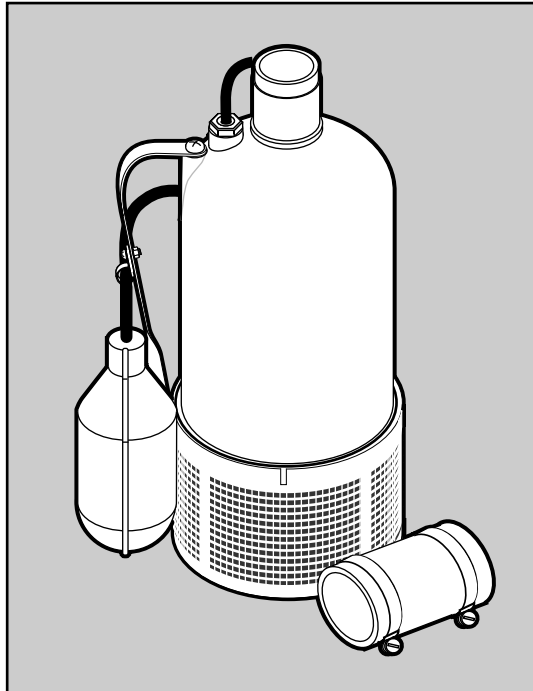




OWNER'S MANUAL
Submersible Sump Pump

293 Wright St., Delavan, WI 53115
Phone: 1-800-468-7867
1-800-546-7867
Fax: 1-800-390-5351

ACE IN THE HOLE
SERIES



MOD. 3995

Installation/Operation/Parts

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

Call 1-800-468-7867

English Pages 2-3

**READ AND FOLLOW
SAFETY INSTRUCTIONS!**

⚠ This is the safety alert symbol. When you see this symbol on your pump or in this manual, look for one of the following signal words and be alert to the potential for personal injury!

⚠ DANGER warns about hazards that **will** cause serious personal injury, death or major property damage if ignored.

⚠ WARNING warns about hazards that **can** cause serious personal injury, death or major property damage if ignored.

⚠ CAUTION warns about hazards that **will or can** cause minor personal injury or property damage if ignored.

The label **NOTICE** indicates special instructions which are important but not related to hazards.

Make sure installation complies with all electrical / plumbing codes.

⚠ WARNING **Hazardous Voltage. Can cause serious or fatal electrical shock. Disconnect power to pump before servicing.**

⚠ If floor is wet, disconnect power at main electrical service before walking on it. Do not stand in water or touch metal surfaces when switching circuit breaker or removing/installing fuses.

⚠ Pump is equipped with a three-prong, grounding cord and plug. Do not modify cord or plug. Plug this unit into a 115V outlet, on an individual branch circuit, with a Class A, 10 amp GFCI (Ground Fault Circuit Interrupter).

⚠ WARNING **Do not use in explosive environments. Pump water only with this pump.** Inspect sump, pump and system components monthly. Keep free of debris and foreign objects. Perform routine maintenance as required.

⚠ CAUTION **Risk of flooding. If a flexible discharge hose is used, pump may move around in sump when motor starts.** If it moves far enough so that switch hits side of sump, switch may stick and prevent pump from starting. Make sure pump is secured so it cannot move around in sump.

Electrically powered sump pumps normally give many years of trouble-free service when correctly installed, maintained, and used. However, unusual circumstances (interruption of power to the pump, dirt/debris in the sump, flooding that exceeds the pump's capacity, electrical or mechanical failure in the pump, etc.) may prevent your pump from functioning normally. To prevent possible water damage due to flooding, consult your dealer about installing a secondary sump pump, a DC backup sump pump, and/or a high water alarm. See the "Troubleshooting Chart" in this manual for information about common sump pump problems and remedies. For more information, see your retailer, call Simer customer service at 1-800-468-7867 or visit our website at www.simerpump.com.

NOTICE: This unit is not designed for applications involving salt water or brine! Use with salt water or brine will void warranty.

SPECIFICATIONS

Power Supply Required	115V, 60HZ.
Motor Duty.....	Continuous
Liquid Temperature Range	77°F Maximum
Individual Branch Circuit Required (minimum)	10.0 Amps
Motor Full Load (maximum)	7.5 Amps
Discharge (Insert for 1-1/4" also included).....	1-1/2" Slip Adapter

PERFORMANCE

Total Lift in Feet	5'	10'	15'	20'	25'
Capacity in GPH	6000	5040	3840	2340	0

OPERATION

Pump is equipped with an automatic float switch which starts pump when water level reaches 10"-12". Pump automatically turns off when level drops to 4" - 6".

GENERAL GUIDELINES

Sump should be at least 18" deep. Inside diameter of sump should be at least 14".

Check Valve is built-in. If necessary to allow flowback from discharge pipe to sump:

- Drill a 1/8" diameter hole in the discharge pipe 2" above the pump. Pump should be installed below the basement floor level.

Discharge Pipe: Pump is supplied with flexible connector that fits 1-1/2" PVC or ABS pipe. Adapter insert allows use of 1-1/4" PVC or ABS pipe. PVC or ABS adapters may be purchased to fit other discharge pipe sizes.

ELECTRICAL

⚠ WARNING **Hazardous voltage. Can cause severe or fatal electrical shock.** Pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce risk of electric shock, be certain that it is connected only to a properly grounded, grounding type receptacle.

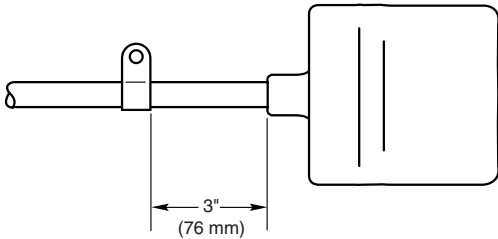
Plug this unit into a 115V outlet, on an individual branch circuit, with a Class A, 10 amp GFCI (Ground Fault Circuit Interrupter). For installation of such a circuit, consult a licensed electrician.

ELECTRICAL SERVICE

AC power outlets should be on a separate 10 amp individual branch circuit; 115V, AC, 60 cycles, and located within 8 ft. of sump. Ground terminal on pump cord plug is provided for your protection. **DO NOT REMOVE!**

PUMP INSTALLATION

1. Remove debris and foreign material etc., from sump to prevent clogging.
2. Place pump on smooth, level surface. Use building blocks or bricks to elevate pump screen a minimum of 2" above mud, sand or loose stones.
3. Locate pump in center of pit so pump housing and float control will not come in contact with side of pit and create operational problems.
4. Slip connector hose over pump discharge. Install and tighten first clamp.
5. Place second clamp loosely over connector hose.
6. Slip connector hose over discharge pipe. Clamp hose tightly with second clamp. Run discharge piping to nearest outlet, depending on local plumbing codes. Discharge piping should be as short as possible to reduce pipe friction losses. Discharge pipe diameter should be equal to or larger than discharge size of pump. Smaller pipe diameters will restrict capacity of pump and reduce performance.
7. Securely anchor flexible discharge line if used. If line is not secure, pump may tip during operation.



NOTICE: Switch tether is factory set at 3" for sump use. DO NOT change tether length.

AUTOMATIC FLOAT SWITCH

1. Install pump following installation and operating instructions.
2. Automatic float switch is sealed and factory adjusted for most home sumps. Turn-on water level is 10" - 12" above pump base. Turn-off water level is 4" - 6".
3. Be sure float clearance is at least 8". For best performance, the sump diameter must be 14" and the sump depth must be 18".
4. Plug piggyback switch cord into 115V AC outlet. Then, plug pump into piggyback switch cord.

NOTE: Minimum recommended turn-off level is 2" above pump base.

Do not allow cord to interfere with float control motion or to drape over pump motor. With electrician's tape, secure cord to discharge pipe for cord protection.

OPERATIONAL CHECK

AUTOMATIC FLOAT SWITCH

1. Fill sump with 12"-14" of water to check operation and tightness of connections. During first automatic cycle, it may take 30 seconds or more before pump is primed and pumping. Turn-on will occur approx. 11" above pump base.
2. Check turn-off position. Turn-off will occur approx. 5" above pump base.
3. If the pump does not operate, check for:
 - an obstructed float switch
 - a blown fuse
 - proper voltage.

REPAIR PARTS LIST

Description	Model 3995
Discharge Connector - 1-1/2" (incl. 2 clamps)	U74-68
Power Cord	PS117-98-TSU
Automatic Float Switch	PS117-144P
Screen	12924

TROUBLESHOOTING CHART

⚠ WARNING Hazardous Voltage. Can cause serious or fatal electrical shock. Disconnect power to pump before servicing.

SYMPTOM	PROBABLE CAUSE(S)	CORRECTIVE ACTION
Motor does not run.	Blown fuse Tripped circuit Disconnected plug Corroded plug Inadequate water level Tripped overload Defective switch Defective motor Float in wrong position	Replace. Reset. Reinstall. Clean prongs. Add water and test. Allow pump to cool. Adjust float; replace switch. Replace pump. See Automatic Float Switch section.
Motor hums but flow is reduced or no flow	Impeller jammed Plugged check valve Blocked screen Line leak Worn Impeller Defective motor	Unplug pump and unclog. Unplug pump and unclog. Unplug pump and clean screen. Unplug pump and repair. Unplug pump and replace pump impeller. Replace pump.
Runs continuously	Plugged screen Defective switch Float obstruction	Unplug pump and clean screen. Replace switch. See Automatic Float Switch section.

NOTICE: A plugged screen can be mistaken for a faulty switch. Unlike other pumps, screen and impeller design of pump can provide significant flow, even when screen is nearly plugged. If pump

RUNS CONTINUOUSLY or for **EXTENDED PERIODS** between turn-offs – **FIRST** check for a **DIRTY SCREEN**.