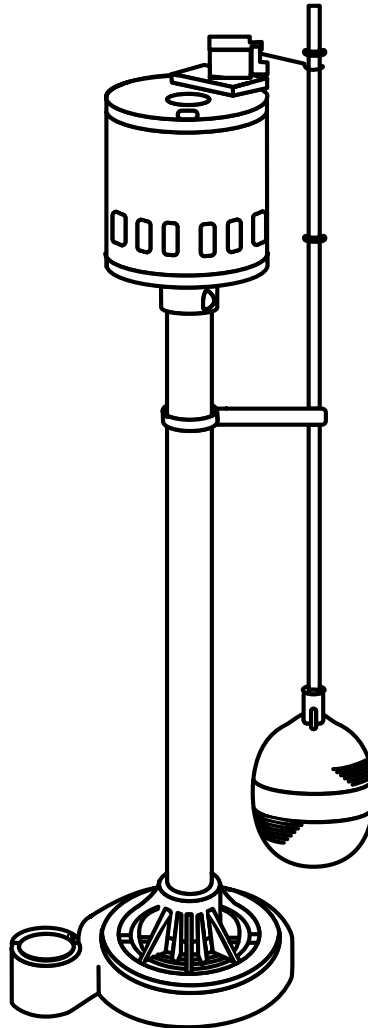


PEDESTAL SUMP PUMP

MODELS #3CDH, 5CDH

Español p. 11



ATTACH YOUR RECEIPT HERE

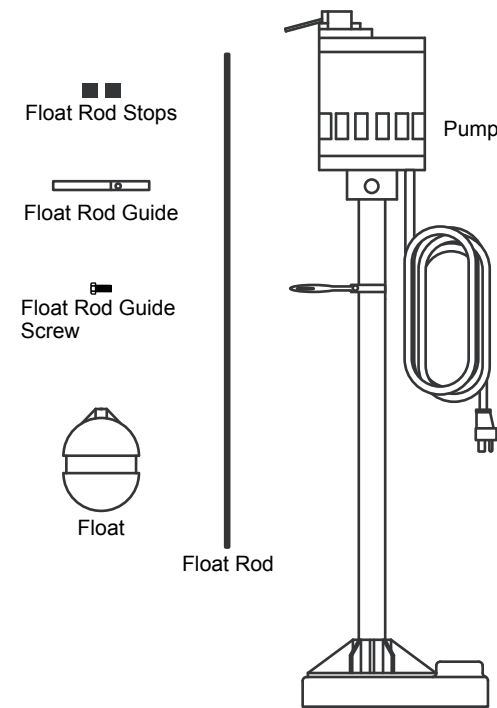
Serial Number _____ Purchase Date _____



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-742-5044, 7:30 a.m. - 5:00 p.m., EST, Monday - Friday.

PACKAGE CONTENTS

DESCRIPTION	QUANTITY
Pump	1
Float Rod	1
Float	1
Float Rod Guide	1
Float Rod Guide Screw	1
Float Stops	2



SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product.

NOTE: Pumps with the “UL” Mark and pumps with the “US” mark are tested to UL Standard UL778. CSA certified pumps are certified to CSA Standard C22.2 No. 108. (CUS.)

DANGER

- **FIRE/EXPLOSION HAZARD.**
Pump only clear water. Do not pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in a flammable and/or explosive atmosphere. Failure to follow these warnings could result in death or serious injury and/or property damage.
- **RISK OF ELECTRIC SHOCK.**
These pumps have not been investigated for use in swimming pool and marine areas.
- **RISK OF ELECTRIC SHOCK.**
Always disconnect power source before attempting to install, service or maintain the pump. Never handle a pump with wet hands or when standing on wet or damp surface or in water. Fatal electrical shock could occur.
- **RISK OF ELECTRIC SHOCK.**
Keep pump out of reach of children.

WARNING

- **ELECTRICAL SHOCK ALERT.**
Before installing this product, have the electrical circuit checked by an electrician to ensure proper grounding. All electrical installations must conform to the National Electric Code and all local codes.
- **ELECTRICAL SHOCK ALERT.**
Connect this product to a properly-grounded 115 volt circuit equipped with a Ground Fault Circuit Interrupter (GFCI) device. Make sure the electrical supply circuit is equipped with fuses or circuit breakers with a minimum capacity of 15 amps
- **ELECTRICAL SHOCK ALERT.**
Never use an extension cord.
- **ELECTRICAL SHOCK ALERT.**
Never cut off the round grounding plug on the cord. Cutting the cord or plug will void the warranty and keep the pump from operating.
- **ELECTRICAL SHOCK ALERT.**
Do not remove or replace the power cord.
- **ELECTRICAL SHOCK ALERT.**
Protect electrical cord from sharp objects, hot surfaces, oil and chemicals. Avoid kinking the cord.
- **PROP65 WARNING FOR CALIFORNIA RESIDENTS:**
Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CAUTION

- **PERSONAL INJURY OR PRODUCT DAMAGE MAY RESULT**
This pump operates on 115 volts. Make certain that the power source conforms to the requirements of your equipment.
- **PRODUCT DAMAGE MAY RESULT**
The continuous operating water temperature for this pump must not exceed 77°F (25°C).
- **PRODUCT DAMAGE MAY RESULT**
This pump is designed to pump water only. It has not been evaluated for pumping chemicals or corrosive materials.
- **PRODUCT DAMAGE MAY RESULT**
Inspect the pump regularly for damage and perform routine maintenance as needed. Remove any debris that may build up around the on/off operation of the float.
- **PROPERTY or PRODUCT DAMAGE MAY RESULT**
This pump is not designed for pumping effluent or sewage.
- **PRODUCT DAMAGE MAY RESULT**
This pump is not designed for continuous operation.

PREPARATION

Estimated Installation Time: 20 minutes

Materials required for assembly: Sump basin, inlet piping, discharge piping (PVC, poly pipe or galvanized steel), check valve and 2-step PVC glue system (primer and sealer).

SPECIFICATIONS							
MODEL	HP	AMPS	PERFORMANCE IN GALLONS PER MINUTE				
			0 FT.	5 FT.	10 FT.	15 FT.	20 FT.
3CDH	1/3	4.0	58	52	41	12	-
5CDH	1/2	7.3	65	59	51	38	17

GENERAL PUMP INFORMATION

This pump is designed to be installed in a sump basin for removing clear drain water and will usually pass small particles suspended in water. Heavy mud, sand or pea gravel can clog the pump, which can usually be cleaned out by back-flushing with a garden hose through the pump discharge.

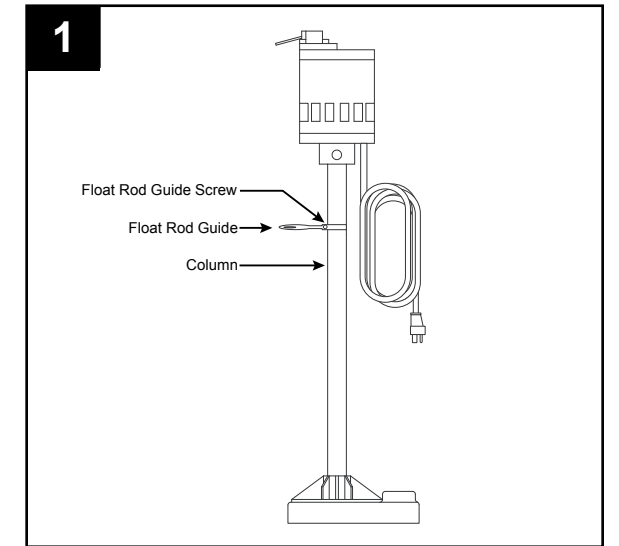
A check valve must be installed in the discharge pipe to keep water from draining back into the sump basin when it is not operating. The sump basin must be at least 18-in deep and 12-in diameter.

NOTES: Before installing pump:

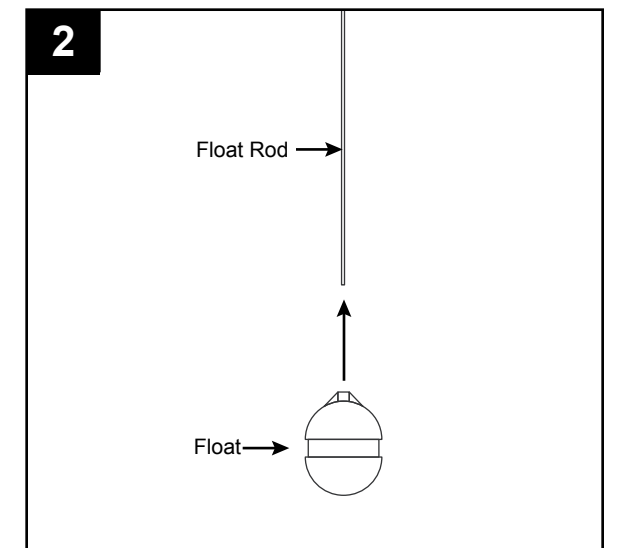
- Have the electrical circuit checked by an electrician to ensure proper grounding.
- Connect pump to a grounded circuit equipped with a ground fault circuit interruptor (GFCI) device.
- BE CERTAIN the pump power source is disconnected before installing or servicing this unit.
- Be sure the sump basin and piping are clear of sand, dirt and scale. Debris will clog pump and void warranty.
- Failure to protect pump and piping from freezing could cause severe damage and will void the warranty.
- Do not run pump dry.

ASSEMBLY INSTRUCTIONS

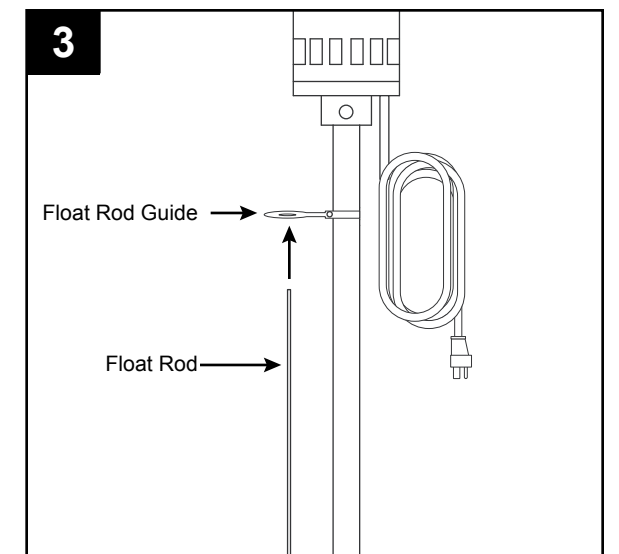
1. Attach the float rod guide to the pump column, about 6 in. below the motor. Clamp the guide to the column with the included screw. **DO NOT OVERTIGHTEN.**



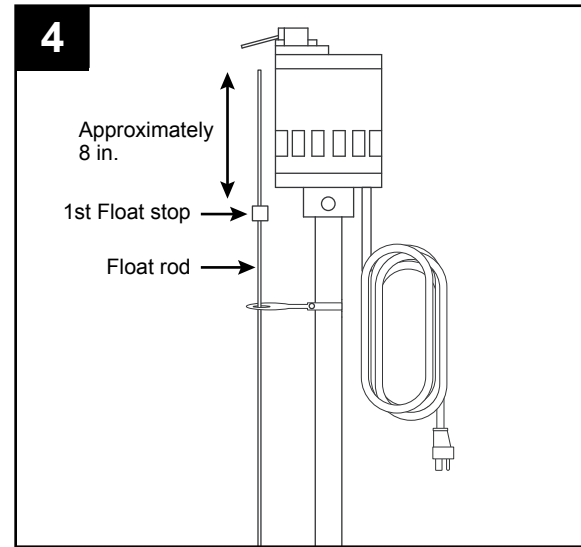
2. Screw float onto the threaded end of the float rod.



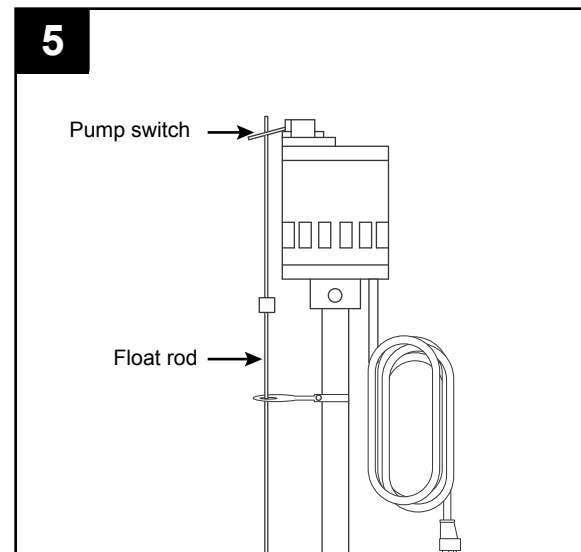
3. Insert the end of the float rod through the eye of the float rod guide.



- Slide the first rubber float rod stop down the float rod to about 8-in from the top of the float rod.



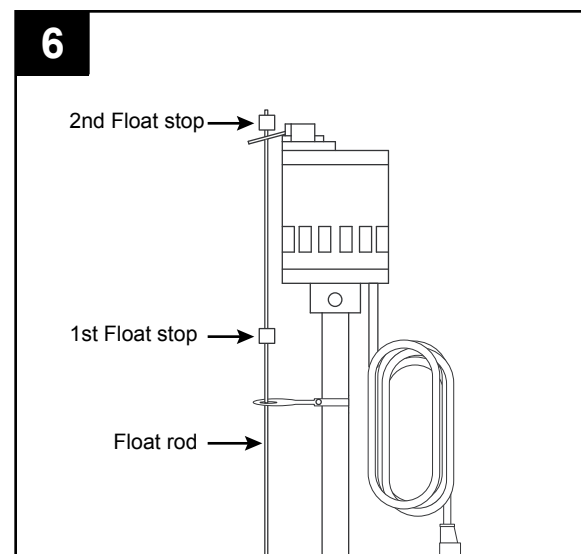
- Slide the float rod through the hole in the pump switch.



- Slide the second rubber float rod stop on to the top of the float rod above the switch.

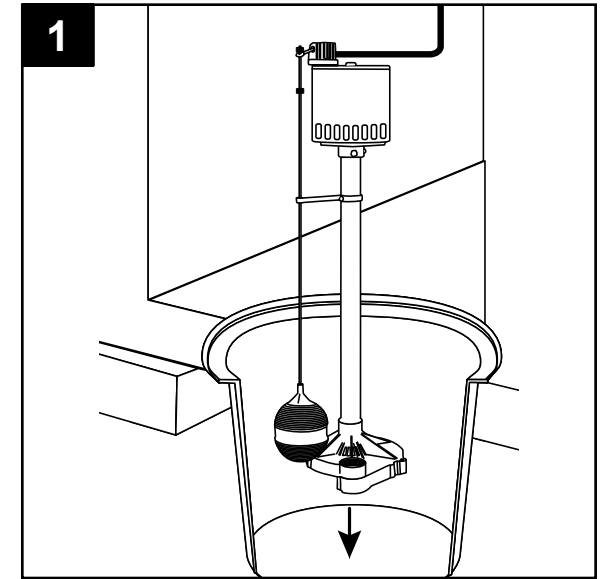
With rubber float rod stops in this position, the pump will turn on at approximately 10 - 12-in and off at 2-1/2-in. For faster cycling, the lower float stop can be moved closer to the upper float rod stop.

WARNING: Risk of Flooding. Be sure that the float rod is vertical and can move up and down freely. If the float cannot move freely, the pump may not run.



INSTALLATION INSTRUCTIONS

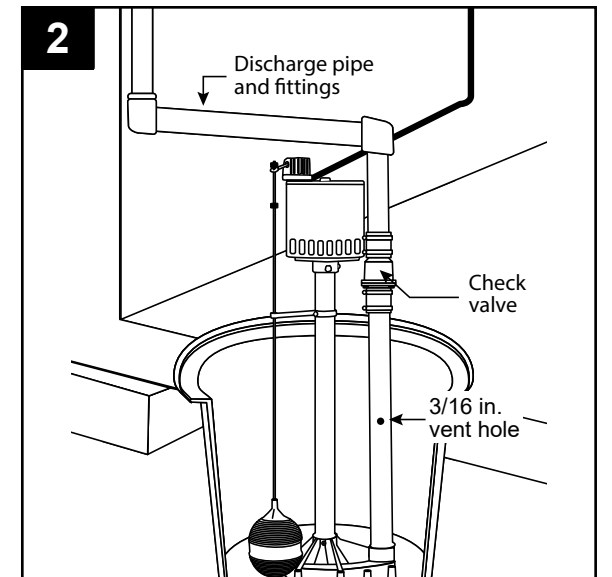
- Make sure the sump basin is cleared of any debris or sediment, and place pump on a hard surface inside the basin.



- Connect the discharge pipe, fittings and check valve to pump discharge. The discharge pipe should be the same size as the discharge of pump (1-1/2-in) or larger.

Drill a 3/16-in vent hole in the discharge pipe 8-12 inches above the pump base.

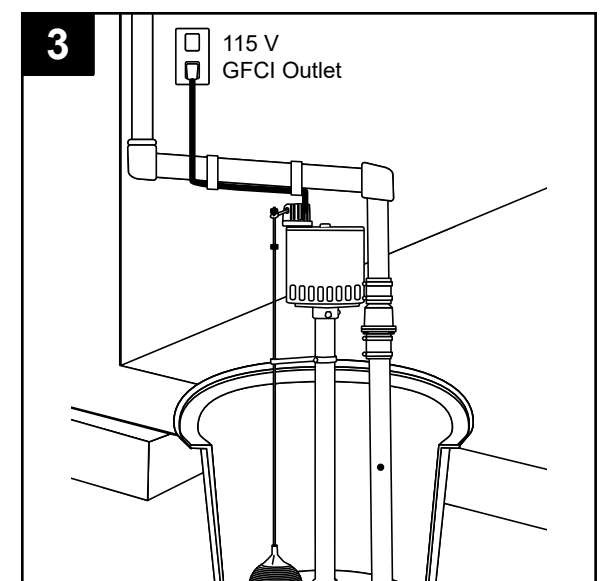
NOTE: Make sure there is enough room in the basin for the float to move freely. If the float is restricted, the pump will not operate.



- Make sure your hands are dry and you are not standing in water. Connect the pump to a properly-grounded, GFCI electrical outlet.

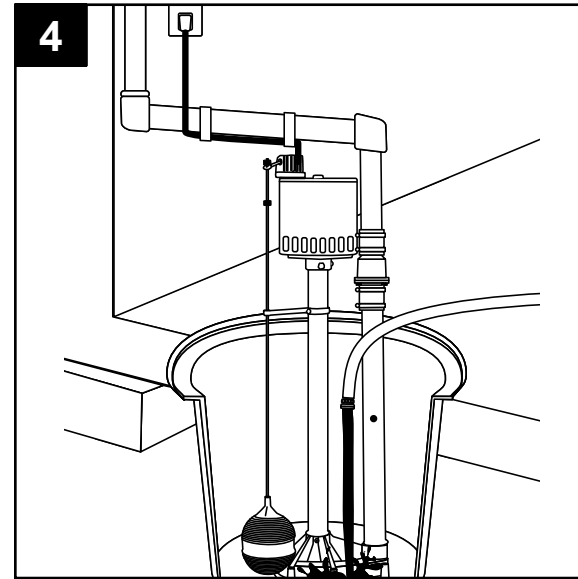
WARNING: Do not use an extension cord.

NOTE: Tape or tie the electrical cord to the discharge pipe to prevent it from interfering with the motion of the float.

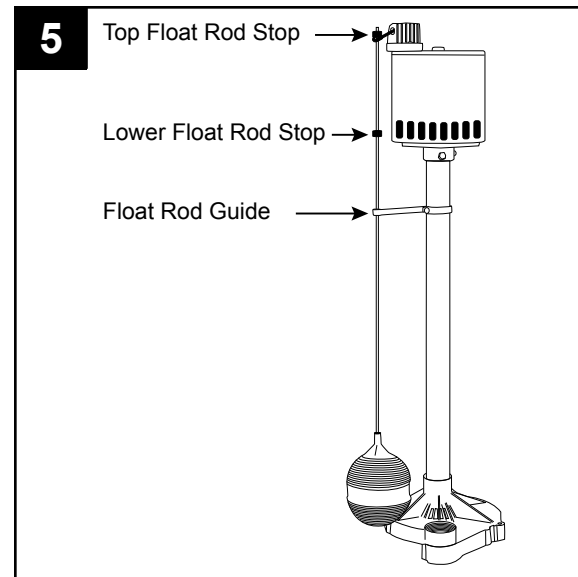


INSTALLATION INSTRUCTIONS

4. Test the operation of the pump by pouring water into the sump basin.



5. If the lower rod stop is positioned 8 in. from the top of the rod, the pump will turn on at approximately 10 in. to 12 in. and off at approximately 2-1/2 in. To cycle the pump on and off faster, move the lower float stop closer to the upper float rod stop.



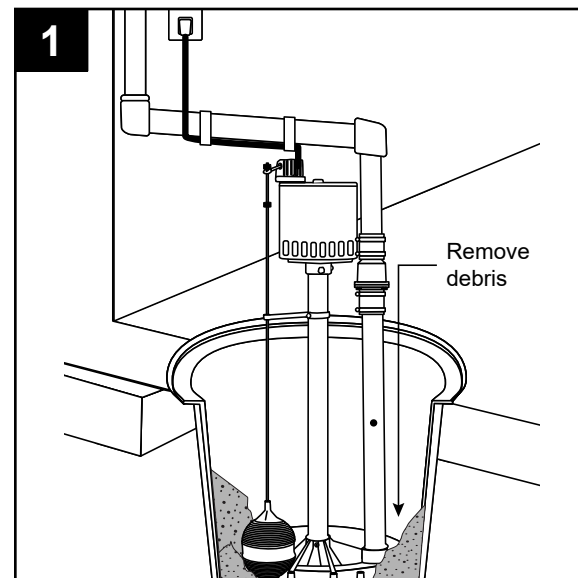
CARE AND MAINTENANCE

WARNING: Always disconnect pump from power source before handling.

At least every three months:

Remove any debris that may build up in the sump basin to prevent it from interfering with the operation of the float switch.

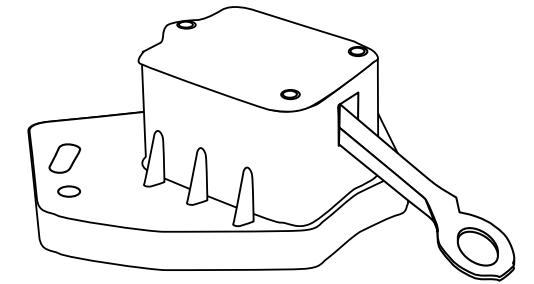
Test system for operation.



REPLACEMENT PARTS LIST

For replacement parts, call our customer service department at 1-800-742-5044, 7:30 a.m. - 5:00 p.m., EST, Monday - Friday.

DESCRIPTION	PART #
Replacement switch	024773



WARRANTY

This product is warranted for one year from the date of purchase. Subject to the conditions hereinafter set forth, the manufacturer will repair or replace to the original consumer, any portion of the product which proves defective due to defective materials or workmanship. This warranty does not cover replacement parts for failure due to normal wear and tear. To obtain warranty service, contact the dealer from whom the product was purchased. The manufacturer retains the sole right and option to determine whether to repair or replace defective equipment, parts or components. Damage due to conditions beyond the control of the manufacturer is not covered by this warranty.

THIS WARRANTY WILL NOT APPLY: (a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence or use of inappropriate chemicals or additives in the water; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with normal applicable local codes, ordinances and good trade practices; and (e) if the unit is used for purposes other than for what it was designed and manufactured.

RETURN OF WARRANTED COMPONENTS: Any item to be repaired or replaced under this warranty must be returned to the manufacturer at Kendallville, Indiana or such other place as the manufacturer may designate, freight prepaid.

THE WARRANTY PROVIDED HEREIN IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES, AND MAY NOT BE EXTENDED OR MODIFIED BY ANYONE. ANY IMPLIED WARRANTIES SHALL BE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY AND THEREAFTER ALL SUCH IMPLIED WARRANTIES ARE DISCLAIMED AND EXCLUDED. THE MANUFACTURER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, SUCH AS, BUT NOT LIMITED TO DAMAGE TO, OR LOSS OF, OTHER PROPERTY OR EQUIPMENT, LOSS OF PROFITS, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR NATURE. THE LIABILITY OF THE MANUFACTURER SHALL NOT EXCEED THE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.

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

In those instances where damages are incurred as a result of an alleged pump failure, the Homeowner must retain possession of the pump for investigation purposes.

TROUBLESHOOTING



DANGER

RISK OF ELECTRIC SHOCK.

Always disconnect power source before attempting to install, service or maintain the pump. Never handle a pump with wet hands or when standing on wet or damp surface or in water. Fatal electrical shock could occur.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pump will not start or run.	1. Circuit breaker is off or fuse is blown or loose.	1. Reset circuit breaker or replace fuse. If problem continues, contact a professional electrician or plumber.
	2. Water in sump basin is not high enough to cause the switch to turn on.	2. Pump will turn on when water level reaches the proper height.
	3. Pump is not plugged in or is connected to a wall switch that has been turned off.	3. Plug pump securely into GFCI outlet that cannot be turned off by a wall switch.
	4. Float cannot move freely.	4. Remove any obstructions around float.
Pump runs but does not deliver water.	1. Make sure check valve is not installed backwards.	1. Arrow on valve should point away from pump.
	2. Shut-off valve (if used) may be closed.	2. Open shut-off valve.
	3. Impeller, pump inlet, or discharge pipe may be clogged.	3. Remove pump from basin and clean impeller, pump inlet, or pipe.
	4. Vertical pumping distance is too high.	4. Reduce the vertical distance to correspond with the performance chart in the instructions.
Pump runs continuously.	1. Float is stuck in the 'on' position.	1. Make sure the float can move freely.
	2. Float switch is defective.	2. Replace float switch.
Pump runs but delivers little water.	1. Vertical pumping distance is too high.	1. Reduce the vertical distance to correspond with the performance chart in the instructions.
	2. Impeller, pump inlet, or discharge pipe may be clogged.	2. Remove pump from basin and clean impeller, pump inlet, or pipe.
Fuse blows or circuit breaker trips when pump starts.	1. Impeller, pump inlet, or discharge pipe may be clogged.	1. Remove pump from basin and clean impeller, pump inlet, or pipe.
	2. Fuse size or circuit breaker may be too small.	2. Electrical circuit capacity must be 15 amps or higher.
Overload trips.	1. Short in motor.	1. Replace pump.
Noisy pump.	1. Worn bearing.	1. Replace pump.