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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



50/60 Hz

visit our web site:
zoellerpumps.com

INSTALLATION INSTRUCTIONS

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1. Inspect your pump. Occasionally, products are damaged during shipment. If the unit is damaged, contact your dealer before using. Do Not remove the test plug in the cover.
2. Carefully read the literature provided to familiarize yourself with specific details regarding installation and use. These materials should be retained for future reference.
3. Before installation and operation, see relative local rules and standards.



WARNING

SEE BELOW FOR LIST OF WARNINGS

1. Make sure there is a properly installed ground fault circuit interrupter (GFCI) protected circuit available. All pumps are furnished with provisions for proper grounding to help protect you against the possibility of electrical shock.
2. Make certain that the ground fault receptacle is within the reach of the pump's power supply cord. **DO NOT USE AN EXTENSION CORD.** Extension cords that are too long or too light do not deliver sufficient voltage to the pump motor. More importantly, they could present a safety hazard if the insulation were to become damaged or the connection ends were to fall into water and become wet.
3. Make sure the pump electrical supply circuit is equipped with fuses or circuit breakers of proper capacity. A separate branch circuit is recommended, sized according to local codes for the current shown on the pump name plate.
4. **TESTING FOR GROUND.** As a safety measure, each electrical outlet should be checked for ground using a recognized circuit analyzer, which will indicate if the power, neutral and ground wires are correctly connected to your outlet. If they are not, call a qualified licensed electrician.
5. Installation and checking of electrical circuits and hardware should only be performed by a qualified licensed electrician.
6. **FOR YOUR PROTECTION, ALWAYS DISCONNECT PUMP FROM ITS POWER SOURCE BEFORE HANDLING.**
7. The pump is supplied with a 3-prong grounded plug to help protect you against the possibility of electrical shock. **DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE GROUND PIN.** The 3-prong plug must be inserted in a mating 3-prong fault interrupter receptacle. If the installation does not have such a receptacle, it must be changed to the proper type, wired, and grounded in accordance with the National Electrical Code and all applicable local codes and ordinances.
8. Risk of electric shock. This pump has not been investigated for use in swimming pool areas.
9. **For Added Safety.** Use of a residual current device with an operating current no higher than 30 mA is recommended.
10. If the supply cable is damaged, it must be replaced by the manufacturer, or its technical service, or similarly qualified persons in order to avoid a hazard.
11. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

CAUTION

SEE BELOW FOR LIST OF CAUTIONS

1. Check to be sure your power source is capable of handling the voltage requirements of the motor as indicated on the pump name plate.
2. This pump is not designed or intended to be used to handle sewage or effluent.
3. This pump has been evaluated for use with **WATER** only.
4. Maximum continuous operating water temperature for standard model pumps must not exceed 104°F (40°C).
5. Pump not intended for continuous use. Misapplication will reduce pump life.
6. Do not set pump directly on sand, dirt or mud. Sand or mud-choked pumps can be backflushed clean.
7. Do not handle or carry the pump by the power cord. Use the handle.
8. Extended usage of the pump in a partially submerged or non-submerged situation may cause the pump to overheat due to lack of heat dissipation from the water. If this occurs, the pump will shut itself off until the motor cools to its normal temperature. Repeated overheating may cause damage to the pump.

PERFORMANCE

Your pump is designed to effectively pump clear storm and drain waters. Although it will usually pass small particles suspended in water, grass, heavy mud, sand or gravel can clog the pump and reduce pump performance. This can usually be cleaned out by backflushing with a garden hose through the discharge.

REFER TO WARRANTY ON PAGE 2.

DO NOT USE FOR PUMPING OILS, GASOLINE OR ANY PETROLEUM BY-PRODUCTS.

LIMITED WARRANTY

This product is warranted for one year from the date of purchase or 18 months from the date of manufacture, whichever occurs first. 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. 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; (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 country to country. Some countries 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.

NOTE: Ratings based on 1-1/4" pipe with friction loss neglected. Using 3/4" garden hose adapter, performance will be reduced approximately 15%. This pump does not deliver enough pressure to operate lawn sprinklers properly.

OPERATION

1. Set pump on hard surface in water before starting.
2. Use the included garden hose adapter for 3/4" discharge line or disconnect the adapter to use a 1" discharge for 1/6 HP or a 1-1/4" discharge for 1/4 HP.
3. Plug power cord into properly grounded outlet with voltage according to the nameplate (See recommended grounding methods on front page). Will operate continuously whether partly or fully submerged. Submersible utility pumps are intended to pump clean or dirty water or waterlike liquids at temperatures up to 104° F.
4. The pump is supplied with a 3/4" garden hose adapter. For use with plastic pipe, remove the adapter and install the desired 1" or 1-1/4" NPT fitting. DO NOT OVERTIGHTEN THE HOSE OR PLASTIC ADAPTER FITTING. Finger tight plus 1/2 turn is sufficient.

▲ CAUTION

Do not set pump directly on sand, dirt or mud. Sand or mud-choked pumps can be back-flushed clean.

▲ CAUTION

Do not handle or carry the pump by the power cord. Use the handle.

▲ CAUTION

Extended usage of the pump in a partially submerged or non-submerged situation may cause the pump to overheat due to lack of heat dissipation from the water. If this occurs, the pump will shut itself off until the motor cools to its normal temperature. Repeated overheating may cause damage to the pump.

MAINTENANCE

1. The motor housing of the pump is completely sealed and requires no service. Disassembly of the motor housing or alteration of the power cord voids all warranty.
2. The motor is a continuous duty type with an automatic thermal overload protector device.
3. The pump can run against a partially restricted discharge.
4. If the pump becomes clogged, remove the screen and clean out the area.
5. If necessary, remove the eight (8) screws holding the volute base to the motor housing and clean the volute.