

Notice to installing contractor: Instructions must remain with installation.

Your Peace of Mind is Our Top Priority®



PUMP COMPANY

Zoeller Family of Water Solutions™

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visit our web site:
www.zoeller.com

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

Register your
 Zoeller Pump Company
 Product on our website:
<http://reg.zoellerpumps.com/>

NOTICE: VENT HOLE FOR
 CHECK VALVE
 SEE #2 IN CAUTION SECTION
 BELOW AND #4 ON PAGE 4

INSTALLATION INSTRUCTIONS



MODEL 63

| |
|-----------------|
| DATE INSTALLED: |
| MODEL NUMBER: |

PREINSTALLATION CHECKLIST - ALL INSTALLATIONS

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 plugs in the cover nor the motor housing.
2. **Carefully read the literature** provided to familiarize yourself with specific details regarding installation and use. These materials should be retained for future reference.

PIN 153421

|  WARNING SEE BELOW FOR LIST OF WARNINGS |  CAUTION SEE BELOW FOR LIST OF CAUTIONS |
|--|--|
| <ol style="list-style-type: none"> 1. Make certain that the 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. But, more important, they could present a safety hazard if the insulation were to become damaged or the connection end were to fall into the sump. 2. 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 the "National Electrical Code" for the current shown on the pump nameplate. 3. Testing for ground. As a safety measure, each electrical outlet should be checked for ground using an Underwriters Laboratory Listed 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. 4. For Added Safety. Pumping and other equipment with a 3-prong grounded plug must be connected to a 3-prong grounded receptacle. For added safety the receptacle may be protected with a ground-fault circuit interrupter. When a pump needs to be connected in a watertight junction box, the plug can be removed and spliced to the supply cable with proper grounding. For added safety this circuit may be protected by a ground-fault circuit interrupter. The complete installation must comply with the National Electrical Code and all applicable local codes and ordinances. 5. FOR YOUR PROTECTION, ALWAYS DISCONNECT PUMP FROM ITS POWER SOURCE BEFORE HANDLING. Single phase pumps are 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 into a mating 3-prong grounded 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. Three phase pumps require motor starting devices with motor overload protection. See FM0486 for duplex installations. 6. The tank is to be vented in accordance with local plumbing code. Pumps must be installed in accordance with the National Electrical Code and all applicable local codes and ordinances. Pumps are not to be installed in locations classified as hazardous in accordance with National Electrical Code, ANSI/NFPA 70. 7. "Risk of electrical shock" Do not remove power supply cord and strain relief or connect conduit directly to the pump. 8. Installation and servicing of electrical circuits and hardware should be performed by a qualified licensed electrician. 9. Pump installation and servicing should be performed by a qualified person. 10. Risk of electric shock - These pumps have not been investigated for use in swimming pool and marine areas. 11. According to the state of California (Prop 65), this product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. | <ol style="list-style-type: none"> 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. Information - vent hole purpose. It is necessary that all submersible sump, effluent, and sewage pumps capable of handling various sizes of solid waste be of the bottom intake design to reduce clogging and seal failures. If a check valve is incorporated in the installation, a vent hole (approx. ³/₁₆" [5 mm]) must be drilled in the discharge pipe below the check valve and pit cover to purge the unit of trapped air. Trapped air is caused by agitation and/or a dry basin. Vent hole should be checked periodically for clogging. The model 63 pump has a vent hole located in the pump housing opposite the float, adjacent to a housing lug, but an additional vent hole is recommended. If you choose not to drill a vent hole, be sure the pump case and impeller is covered with liquid before connecting the pipe to the check valve and no inlet carries air to the pump intake. NOTE: THE HOLE MUST ALSO BE BELOW THE BASIN COVER AND CLEANED PERIODICALLY. Water stream will be visible from this hole during pump run periods. 3. Pump should be checked frequently for debris and/or build up which may interfere with the float "on" or "off" position. Repair and service should be performed by Zoeller Pump Company Authorized Service Station only. 4. Dewatering and effluent sump pumps are not designed for use in pits handling raw sewage. 5. Non-automatic pumps with external-level controls are recommended for septic tank effluent applications. 6. Maximum operating temperature for standard model pumps must not exceed 130°F (54°C). 7. Do not operate a pump in an application where the Total Dynamic Head is less than the minimum Total Dynamic Head listed on the Pump Performance Curves. <p>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.</p> |
| REFER TO WARRANTY ON PAGE 2. | |

Limited Warranty

Manufacturer warrants, to the purchaser and subsequent owner during the warranty period, every new product to be free from defects in material and workmanship under normal use and service, when properly used and maintained, for a period of five years from the date of purchase. Proof of purchase is required. Parts that fail within the warranty period, that inspections determine to be defective in material or workmanship, will be repaired, replaced or remanufactured at Manufacturer's option, provided however, that by so doing we will not be obligated to replace an entire assembly, the entire mechanism or the complete unit. No allowance will be made for shipping charges, damages, labor or other charges that may occur due to product failure, repair or replacement.

This warranty does not apply to and there shall be no warranty for any material or product that has been disassembled without prior approval of Manufacturer, subjected to misuse, misapplication, neglect, alteration, accident or act of nature; that has not been installed, operated or maintained in accordance with Manufacturer's installation instructions; that has been exposed to outside substances including but not limited to the following: sand, gravel, cement, mud, tar, hydrocarbons, hydrocarbon derivatives (oil, gasoline, solvents, etc.), or other abrasive or corrosive substances, wash towels or feminine sanitary products, etc. in all pumping applications. The warranty set out in the paragraph above is in lieu of all other warranties expressed or implied; and we

do not authorize any representative or other person to assume for us any other liability in connection with our products.

Contact Manufacturer at, 3649 Cane Run Road, Louisville, Kentucky 40211, Attention: Customer Service Department to obtain any needed repair or replacement of part(s) or additional information pertaining to our warranty.

MANUFACTURER EXPRESSLY DISCLAIMS LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES OR BREACH OF EXPRESSED OR IMPLIED WARRANTY; AND ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THE EXPRESSED WARRANTY.

Some states do not allow limitations on the duration of an implied warranty, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion 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.

LED Light-up plug may dim or extinguish after approximately 5 years. This does not mean the pump has failed. Although the LED Light-up plug is attached to the pump, the LED light works independently from the pump. If this happens, visually inspect the pump to verify it is working properly. This occurrence does not mean pump replacement under warranty. If you have any questions please contact Zoeller Product Support at 1-800-928-7867.

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.

EASY DO'S & DON'T'S FOR INSTALLING A SUMP PUMP

1. **DO** read thoroughly all installation material provided with the pump.
2. **DO** inspect pump for any visible damage caused by shipping. Contact dealer if pump appears to be damaged.
3. **DO** clean all debris from the sump. Be sure that the pump will have a hard, flat surface beneath it. **DO NOT** install on sand, gravel or dirt.
4. **DO** be sure that the sump is large enough to allow proper clearance for the level control switch(es) to operate properly.
5. **DO Always Disconnect Pump From Power Source Before Handling.**
DO always connect to a separately protected and properly grounded circuit.
DO NOT ever cut, splice, or damage power cord (Only splice in a watertight junction box).
DO NOT carry or lift pump by its power cord.
DO NOT use an extension cord with a sump pump.
6. **DO** install a check valve and a union in the discharge line.
DO NOT use a discharge pipe smaller than the pump discharge.
7. **DO NOT** use a sump pump as a trench or excavation pump, or for pumping sewage, gasoline, or other hazardous liquids.
8. **DO** test pump immediately after installation to be sure that the system is working properly.
9. **DO** cover sump with an adequate sump cover.
10. **DO** review all applicable local and national codes and verify that the installation conforms to each of them.
11. **DO** consult manufacturer for clarifications or questions.
12. **DO** consider a two pump system with an alarm where an installation may become overloaded or primary pump failure would result in property damages.
13. **DO** consider a D.C. Backup System where a sump or dewatering pump is necessary for the prevention of property damages from flooding due to A.C. power disruptions, mechanical or electrical problems or system overloading.
14. **DO** inspect and test system for proper operations at least every three months.

SERVICE CHECKLIST



▲ WARNING ELECTRICAL PRECAUTIONS- Before servicing a pump, always shut off the main power breaker and then unplug the pump - making sure you are wearing insulated protective sole shoes and not standing in water. Under flooded conditions, contact your local electric company or a qualified licensed electrician for disconnecting electrical service prior to pump removal.

▲ WARNING Submersible pumps contain oils which becomes pressurized and hot under operating conditions. **Allow 2½ hours after disconnecting before attempting service.**

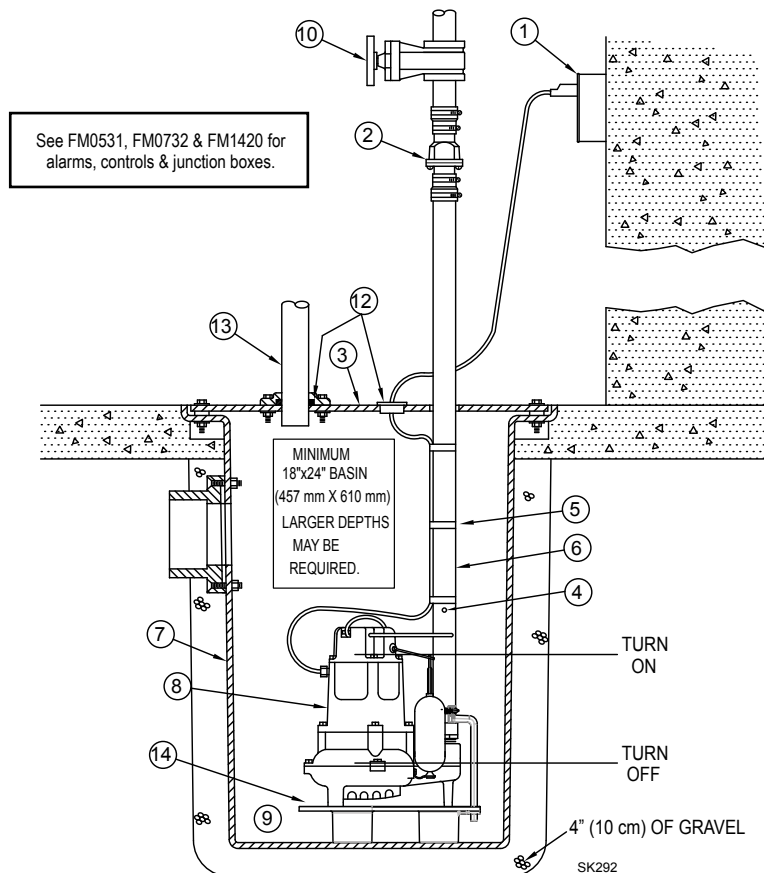
| CONDITION | COMMON CAUSES |
|---|--|
| A. Pump will not start or run. | Check fuse, low voltage, overload open, open or incorrect wiring, open switch, impeller or seal bound mechanically, defective capacitor or relay when used, motor or wiring shorted. Float assembly held down. Switch defective, damaged, or out of adjustment. |
| B. Motor overheats and trips overload or blows fuse. | Incorrect voltage, negative head (discharge open lower than normal) impeller or seal bound mechanically, defective capacitor or relay, motor shorted. |
| C. Pump starts and stops too often. | Float tight on rod, check valve stuck or none installed in long distance line, overload open, level switch(s) defective, sump pit too small. |
| D. Pump will not shut off. | Debris under float assembly, float or float rod bound by pit sides or other, switch defective, damaged or out of adjustment. |
| E. Pump operates but delivers little or no water. | Check strainer housing, discharge pipe, or if check valve is used vent hole must be clear. Discharge head exceeds pump capacity. Low or incorrect voltage. Incorrect motor rotation. Capacitor defective. Incoming water containing air or causing air to enter pumping chamber. |
| F. Drop in head and/or capacity after a period of use. | Increased pipe friction, clogged line or check valve. Abrasive material and adverse chemicals could possibly deteriorate impeller and pump housing. Check line. Remove base and inspect. |

If the above checklist does not uncover the problem, consult the factory. Do not attempt to service or otherwise disassemble pump. Service must be performed by Zoeller Authorized Service Stations. Go to www.zoellerpumps.com/servicestations to find the Authorized Service Station in your area.

RECOMMENDED INSTALLATION FOR ALL APPLICATIONS

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|---|---|
| <ol style="list-style-type: none"> (1) Electrical wiring and protection must be in accordance with National Electrical Code and any other applicable state and local electrical requirements. (2) Install proper Zoeller unichek (combination union and check valve), preferably just above the basin to allow easy removal of the pump for cleaning or repair. See (4) below. (3) All installations require a basin cover to prevent debris from falling into the basin and to prevent accidental injury. (4) When a Unichek is installed, drill a $\frac{3}{16}$" (5 mm) dia. hole in the discharge pipe even with the top of the pump. NOTE: THE HOLE MUST ALSO BE BELOW THE BASIN COVER AND CLEANED PERIODICALLY. Water stream will be visible from this hole during pump run periods. (5) Securely tape or clamp power cord to discharge pipe, clear of the float mechanism(s). | <ol style="list-style-type: none"> (6) Use full-size discharge pipe. (7) Basin must be in accordance with applicable codes and specifications. (8) Pump must be level and float mechanism(s) clear of sides of basin before starting pump. (9) Basin must be clean and free of debris after installation. (10) Gate valve or ball valve to be supplied by installer and installed according to any and all codes. (11) Gas tight seals required to contain gases and odors. (12) Vent gases and odors to the atmosphere through vent pipe (Sewage & Dewatering only). (13) Install Zoeller Pump Stand (10-2421) under pump to provide a settling basin. (Effluent & Dewatering only). |
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TYPICAL DEWATERING INSTALLATION



All installations must comply with all applicable electrical and plumbing codes, including, but not limited to, National Electrical Code, local, regional, and/or state plumbing codes, etc. Not intended for use in hazardous locations.



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