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



**50 Hz**


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# INSTALLATION INSTRUCTIONS

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### PREINSTALLATION CHECKLIST

- 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.
- Carefully read the literature** provided to familiarize yourself with specific details regarding installation and use. These materials should be retained for future reference.

 <div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>WARNING</b></div> <b>SEE BELOW FOR LIST OF WARNINGS</b>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>CAUTION</b></div> <b>SEE BELOW FOR LIST OF CAUTIONS</b>
<ol style="list-style-type: none"> <li>To reduce the risk of electrical shock, a properly grounded receptacle of grounding type must be installed and protected by a ground fault circuit interrupter (GFCI) and in accordance with National Electrical Code and local codes. <b>DO NOT UNDER ANY CIRCUMSTANCES REMOVE THE GROUND PIN.</b></li> <li>Make certain that the receptacle is within the reach of the pump's power supply cord. <b>DO NOT USE AN EXTENSION CORD.</b> 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 and become wet.</li> <li>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 governing electrical code for the current shown on the pump nameplate.</li> <li><b>Testing for Ground.</b> As a safety measure, each electrical outlet should be checked for ground using a 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.</li> <li>Installation and servicing of electrical circuits and hardware should be performed by a qualified licensed electrician.</li> <li><b>FOR YOUR PROTECTION, ALWAYS DISCONNECT PUMP FROM ITS POWER SOURCE BEFORE HANDLING.</b></li> </ol>	<ol style="list-style-type: none"> <li>Check to be sure your power source is capable of handling the voltage requirements of the motor, as indicated on the pump nameplate.</li> <li>These pumps are not designed or intended to be used to handle sewage or effluent.</li> <li>This pump has been evaluated for use with <b>WATER</b> only.</li> <li>Maximum continuous operating water temperature for standard model pumps must not exceed 40°C.</li> <li>Pump not intended for continuous use. Misapplication will reduce pump life.</li> </ol> <p><b>Note:</b> Pumps with the "CSA" mark are tested to CSA Standard C22.2 No.108.</p> <p><b>PERFORMANCE</b></p> <p>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.</p>
<ol style="list-style-type: none"> <li>Risk of electric shock. These pumps have not been investigated for use in swimming pool or marine areas.</li> </ol>	<p style="text-align: center;"><b>REFER TO WARRANTY ON PAGE 2.</b></p>

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

# LIMITED WARRANTY

This product is warranted for 1 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. 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.
3. Plug power cord into properly grounded outlet with voltage according to the nameplate (See recommended grounding methods on front page).
4. Will operate continuously whether partly or fully submerged. Submersible utility pumps are intended to pump clean or dirty water or water like liquids at temperatures up to 40°C.

### ▲ CAUTION

Do not set pump directly on sand, dirt or mud. Sand or mud-choked pumps can be backflushed 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 screws holding the volute base to the motor housing and clean the volute.
6. Debris in the intake should be routinely removed from the bottom of the pump to prevent damage to the pump, which will void the warranty.

# 安装前务必详读说明书

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型录仅供参考  
若有任何修改  
恕不另行通知



50 Hz

zoellerpumps.com



## 安装说明书

适用以下机型

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## 安装前检查

1. 安装前请仔细检查所有零件。产品如果在运送中受损，请尽速联络经销商。
2. 安装前仔细阅读所有提供的文件，熟悉安装细节，并保存资料以供未来参考。

 <b>WARNING</b> 警告	 <b>CAUTION</b> 注意
<ol style="list-style-type: none"><li>1. 为防范使用者触电，本公司所有产品皆配有包含接地功能的电线及三插插头。为确保安全，请勿将插头的接地插销拔除，并确认将插头插入符合国内电工法规的漏电保护插座。</li><li>2. 为确保安全请勿使用延长线。加装延长线容易使水泵马达接收不到足够的电压。更重要的是，若延长线的绝缘遭破坏、或插头松脱掉入水中，将可能造成危险。</li><li>3. 请确认在供给水泵电源的电路中加装适当规格的保险丝或断路器。在此建议依照水泵铭牌上的电流值，并参照国内电工法则来选择及安装独立的断路器。</li><li>4. 请在安装前测试插座的漏电保护功能。为了安全考量，请使用符合国内电工法规的电路测试仪器来检查插座中的火线、中性线及地线是否配置正确。若发现异常，请联络合格的水电技师来为您解决问题。</li><li>5. 仅得由持有证照的合格水电技师来进行水泵安装、管路搭配及电路配线。</li></ol>	<ol style="list-style-type: none"><li>1. 检查并确认使用的电源符合水泵铭牌上的规格需求。</li><li>2. 本产品不是设计用来处理污物或废水。</li><li>3. 本产品只用来处理一般的水。</li><li>4. 本产品可承受最高工作水温为 40°C。</li><li>5. 本机非长时间24小时连续运转设计之产品，错误的使用方式会减少产品寿命。</li></ol> <p>备注：含有CSA标记的产品表示通过CSA标准C22.2编号108的测试。</p>
	<p><b>性能：</b></p> <p>本产品适用于排除不含杂质之积水及蓄水。若水泵因为不小心吸入水中的杂质(如杂草、污泥、沙子、碎石..)而导致性能下降，建议从水泵出水口用水往水泵内回冲将杂物排出即可。</p>
	<p>保固请参阅第2页。</p>

请勿使用於油类、汽油、石油产品或含任何化学成分的液体。

# 保固说明

本产品的保固为自购买日起算的一年、或从工厂制造日期起算的18个月，以先到期者为准。若能证明产品的缺陷是由材料或制造过程造成，本公司将负责维修或更换。本公司保留决定是否维修或更换产品、零件或配件的权利。维修或更换期间买方所产生的费用或损失不在保固范围内。本公司无法控制的损坏不在保固范围内。

保固不适用于：

- (1) 未依照说明书安装、操作或维护所造成的故障或损坏。
- (2) 不当操作、意外或疏忽所造成故障或损坏。
- (3) 加装不属于本产品的零、配件。
- (4) 未依照当地法规进行安装所造成的危害。
- (5) 将产品用在非原本设计的用途上所造成的损坏。(例：抽取沙、碎石、水泥、泥巴、沥青、碳氢化合物及其衍生物、汽油、化学溶剂或其他有腐蚀性的液体、毛巾、女性卫生用品等。)

保固零、配件的退回：在本保固之下任何修理或更换需送回本公司或其他本公司所指定的维修服务点，运费需自付。在任何情况下本公司不承担其他责任，包含资产或设备的损坏、利润损失、等.....。

本公司的责任不超过产品的实售价格。

上述为本产品唯一的保固说明，任何人的修改或另做承诺皆为无效。

在因涉嫌产品故障而招致损害的情况下，财产拥有人必须保留该产品以供调查之用。

**备注：**额定性能以1-1/4英寸水管为准。若转接3/4英寸的水管，本产品性能会因为摩擦损耗而降低15%。本产品的水压并不足以用于草坪洒水器。

# 操作说明

1. 请在使用前将本产品放在水中坚硬的平地上。
2. 本产品配备了3/4英寸水管转接头。如要接塑胶硬管，请移除该转接头并改接1-1/4英寸NPT牙接头。请勿将水管及塑胶接头配件拴过紧。用手拴紧加1/2转就可以。
3. 将插头插入有接地功能的插座。(请参照说明书第一页的接地方法)。本产品可以在部分或完全沉水的情况下持续运转。本产品可承受最高工作温度为40°C。

### 注意：

请勿将本产品直接置放在沙地或泥地。水机内如有泥沙淤积可从出水口用水回冲清除。

### 注意：

请勿直接吊拉水泵电缆线。应握手把以移动水泵。

### 注意：

在部分沉水或无沉水的情况下使用本产品，由于无法在水中散热会导致马达过热。如果发生这种情况，本产品会自动停止运作直到马达冷却至常温。如果重覆发生过热情形本产品将会受损。

# 保养说明

1. 本产品的马达外壳是完全密封的设计。擅自拆解马达外壳或更改电线将使保固失效。
2. 本产品马达可承受长时间运转，并内建热过载保护器。
3. 稍微将出口管径缩小，流量会降低，但仍然可以正常工作。
4. 若入水口阻塞，请拆开滤网并加以清理。
5. 若有必要，请将连接水机及马达的螺丝移除以清理水机流道。
6. 请定期清除水泵底部杂物，以防止对本产品造成伤害进而使保固失效。