

**Notice to Installer: Instructions must remain with installation.**

ZT0310\_ECb

0818

Supersedes

0618

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**50 Hz**

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

# INSTALLATION INSTRUCTIONS

## LU44

### PREINSTALLATION CHECKLIST - ALL INSTALLATIONS

- 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.
- 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: 5px; display: inline-block;"><b>WARNING</b></div> <b>SEE BELOW FOR LIST OF WARNINGS</b>	<h3 style="text-align: center;">SAFETY INSTRUCTIONS</h3>
<ol style="list-style-type: none"> <li>To reduce the risk of electrical shock, a properly grounded receptacle or control box must be installed in accordance with the governing codes. Never remove ground pin from plug.</li> <li>Make certain that the receptacle or control box is within 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, and they could present a safety hazard if the insulation were to become damaged or the connection end were to fall into a damp or wet area.</li> <li>Make sure the pump's electrical supply circuit is equipped with fuses or circuit breakers of proper capacity. A separate branch circuit is recommended, sized according to the governing electrical codes for the current shown on the pump name plate.</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><b>FOR YOUR PROTECTION, ALWAYS DISCONNECT PUMP FROM ITS POWER SOURCE BEFORE HANDLING.</b> If pump is wired direct, de-energize the circuit at the control box. <b>DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE GROUND PIN.</b> Wear insulated protective shoes and do not stand in water. Pumps equipped with a grounded plug are designed to help protect against electrical shock. A properly grounded receptacle or control box must be installed in accordance with governing codes.</li> <li>Installation and servicing of the pump's electrical circuits and hardware should only be performed by a qualified licensed electrician.</li> <li>Installation and maintenance of this appliance is not intended for persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.</li> <li><b>Risk of electrical shock.</b> Do not remove power supply cord and strain relief or connect conduit directly to the pump. If the supply cable is damaged, it must be replaced by an authorized Zoeller Representative.</li> <li>Pump may contain oil which becomes pressurized and hot when operating. Allow 2-1/2 hours after disconnecting before attempting service.</li> <li>Pump is not intended for potable water due to possible contamination by oil contained in the pump.</li> <li><b>Risk of electrical shock.</b> These pumps have not been investigated for use in swimming pools and marine areas.</li> </ol>	<p><b>TO AVOID SERIOUS OR FATAL PERSONAL INJURY OR MAJOR PROPERTY DAMAGE, READ AND FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND ON THE PUMP.</b></p> <p><b>THIS MANUAL IS INTENDED TO ASSIST IN THE INSTALLATION AND OPERATION OF THIS UNIT AND MUST BE KEPT WITH THE PUMP.</b></p> <div style="margin-top: 20px;">  <p>This is a <b>SAFETY ALERT SYMBOL.</b> When you see this symbol on the pump or in the manual look for one of the following signal words and be alert to the potential for personal injury or property damage.</p> </div> <div style="margin-top: 10px;">  <b>WARNING</b> Warns of hazards that <b>CAN</b> cause serious personal injury, death or major property damage.         </div> <div style="margin-top: 10px;">  <b>CAUTION</b> Warns of hazards that <b>CAN</b> cause personal injury or property damage.         </div> <div style="margin-top: 10px;">  Warns of electrical shock hazards that <b>CAN</b> cause serious personal injury, death or major property damage.         </div> <div style="margin-top: 10px;">  Identifies any terminal which is intended for connection to an external conductor for protection against electrical shock in case of a fault, or the terminal of a protective earth (ground) electrode.         </div> <div style="margin-top: 10px;">  Read operator's manual.         </div> <p><b>THOROUGHLY REVIEW ALL INSTRUCTIONS AND WARNINGS PRIOR TO PERFORMING ANY WORK ON THIS PUMP. MAINTAIN ALL SAFETY DECALS.</b></p>
	<p>REFER TO WARRANTY ON PAGE 2.</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.

## DECLARATION OF CONFORMITY

We, Zoeller, declare under our sole responsibility that the models 42, 44 to which this declaration relates, are in conformity with the Council Directives on the approximation of the laws of the EC Member States relating to:

-- Machinery Directive (2006/42/EC)

Standards used: EN 809: 1998 + A1: 2009

-- Electromagnetic Compatibility (2014/30/EU)

Standards used: EN 55014-1: 2006 / A1: 2009 / A2: 2011, EN61000-3-2:2014, EN61000-3-3:2013, EN 55014-2: 1997 / A2: 2008, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-4:2012, IEC 61000-4-5:2014 , IEC 61000-4-6:2013, IEC 61000-4-11:2004

-- Electrical equipment designed for use within certain voltage limits (2014/35/EU)

Standards used: EN60335-1: 2012+All:2014 and EN60335-2-41: 2003 / A2: 2010

# 安装前务必详读说明书

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文件仅供参考  
若有任何修改  
恕不另行通知



50 Hz








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## 安装说明书

### LU44

#### 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	安全守则
<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。</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. 为了保护您的安全，接触水泵前请先拔除电源。如果水泵使用电线直接连接，需在电控箱内断电。任何情况下都不允许移除接地插销。确保人未站在水中，且穿上绝缘鞋。泵配有接地插头的设计，以帮助防止触电。必须按国内法规，正确安装接地的插座或控制箱。</li><li>6. 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><li>7. 若无监督本产品不适合给儿童、心智不健全或经验不足者使用，前述条件者使用本产品时，监督者应负全部安全责任。</li><li>8. 为避免触电，请勿移除电缆线。如果电缆线受损，请联络经销商或本公司核可的服务单位维修。</li><li>9. 本水泵含冷却油，在运作状态下会受压变热——断电后等待2.5小时再进行维修。</li><li>10. 水泵不可使用於饮用水，冷却油有可能会污染水质。</li><li>11. 为防范触电，本产品勿用於游泳池。</li></ol>	<p>为避免严重或致命的人身伤害及重大财产损失，请阅读并遵守水泵的所有安全操作说明。</p> <p>本说明书在协助安装和操作本机型时，必须符合水泵的安全操作守则。</p> <p> 这是一个安全警告符号。当你在水泵或说明书中看到此符号，请查询以下符号，并警惕人身伤害或发生财产损失的可能性。</p> <p> 警告，表示可能会导致严重的人身伤害、死亡或重大财产损失的危险。</p> <p> 注意，表示可能会造成人身伤害或财产损失的危险。</p> <p> 电击危险警告，表示可能会导致严重的人身伤害、死亡或重大财产损失的危险。</p> <p> 接地标志，表示藉由连接外部导体之接地线，在故障时可防止触电发生。</p> <p> 阅读操作手册。</p> <p>使用水泵前，请彻底阅读本说明书内的说明和警告。并维护所有安全标签。</p> <p>保固请参阅第05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。

保固不适用於：

- (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) 加装不属於本产品的零、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%。本产品的的水压并不足以用於草坪洒水器。

## 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，由於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，但仍然可以正常运作。
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。

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Standards used: EN60335-1: 2012+All:2014 and EN60335-2-41: 2003 / A2: 2010