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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

## Duplex Grinder Package System



### PREINSTALLATION CHECKLIST - ALL INSTALLATIONS

1. **Inspect your unit.** 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.
2. **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>	<h3 style="text-align: center;">SAFETY INSTRUCTIONS</h3>
<ol style="list-style-type: none"> <li>1. <b>To reduce the risk of electrical shock</b>, 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.</li> <li>2. 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, 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>3. <b>Testing for Ground.</b> 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.</li> <li>4. <b>For Added Safety.</b> Pump must be connected to a 3-prong grounded outlet interrupter device (GFCI).</li> <li>5. <b>FOR YOUR PROTECTION, ALWAYS DISCONNECT PUMP FROM ITS POWER SOURCE BEFORE HANDLING.</b> Single phase pumps are supplied with a 3-prong grounded plug to help protect you against the possibility of electrical shock. <b>DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE GROUND PIN.</b> 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) in accordance with National Electrical Code and local codes.</li> <li>6. Installation and checking of electrical circuits and hardware should only be performed by a qualified licensed electrician.</li> <li>7. <b>Risk of electrical shock.</b> These pumps have not been investigated for use in swimming pool 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="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">   <div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>WARNING</b></div> </div> <div> <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> <p><b>WARNING</b> Warns of hazards that <b>CAN</b> cause serious personal injury, death or major property damage.</p> <p><b>CAUTION</b> Warns of hazards that <b>CAN</b> cause personal injury or property damage.</p> <div style="display: flex; align-items: center;">   <div style="margin-left: 5px;">Warns of electrical shock hazards that <b>CAN</b> cause serious personal injury, death or major property damage.</div> </div> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 5px;">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> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 5px;">Read operator's manual.</div> </div> <p><b>THOROUGHLY REVIEW ALL INSTRUCTIONS AND WARNINGS PRIOR TO PERFORMING ANY WORK ON THIS PUMP. MAINTAIN ALL SAFETY DECALS.</b></p> </div> </div>
<p><b>REFER TO WARRANTY ON PAGE 2.</b></p>	

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

# 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 or basin plate.
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 name plate.
3. Repair and service should be performed by a Zoeller Pump Company Authorized Service Station only.
4. All plumbing (discharge and vent lines) must be installed to meet local codes. Unit must be vented. **DO NOT USE AN AUTOMATIC PLUMBING VENT DEVICE SIMILAR TO A "PRO-VENT"**. Some jurisdictions require this product to be installed by a licensed plumber.
5. CHECK VALVE MUST BE USED TO REDUCE UNNECESSARY CYCLING OF PUMP.
6. This system must be installed above the water table. Groundwater outside the basin will cause it to collapse.

# 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 one year from date of purchase by the end user, or 18 months from date of original manufacture of the product, whichever comes first. Parts that fail within the warranty period, one year from date of purchase by the end user, or 18 months from the date of original manufacture of the product, whichever comes first, 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 uncontrolled 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 any other abusive entity, 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 authorized distributors 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 jurisdictions do not allow limitations on the duration of an implied warranty, so the above limitation may not apply to you. Some jurisdictions 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 jurisdiction to jurisdiction.

**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.**

## WARNING

### ELECTRICAL SHOCK HAZARD



Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

## WARNING

### EXPLOSION OR FIRE HAZARD

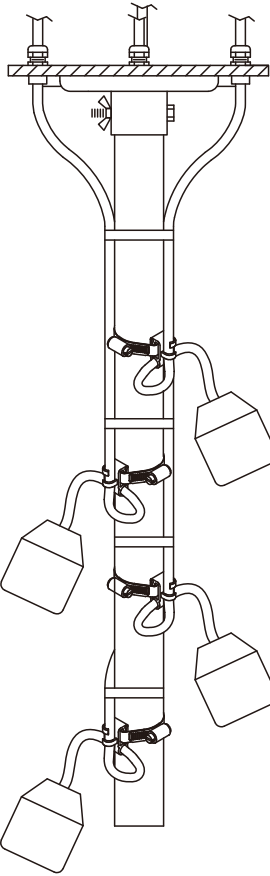


Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

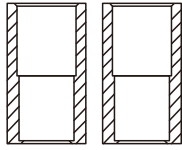
Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

# ACCESSORIES DESCRIPTION

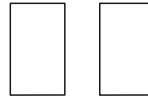
Float tree  
1-1/2" Pipe  
length 749 mm (29.5")



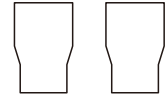
Coupling x2  
2" turn Ø63 mm O.D.  
Length 87 mm (3.44")



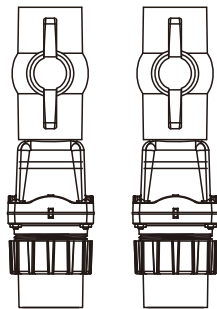
2" Pipe x2  
Length 90 mm (3.54")



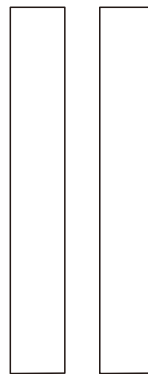
1-1/4" Shrink tube x2



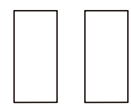
2" Ball valve +  
Union Check valve x2



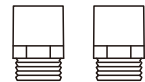
2" Pipe x2  
Length 864 mm (34")



1-1/4" Pipe x2  
Length 90 mm (3.54")



1-1/4" NPT x 1-1/4" slip  
x2



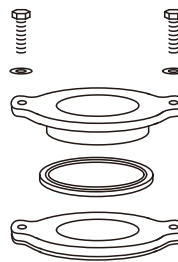
Ø110 mm O.D.(4")  
Inlet hub



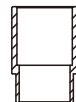
Cord seal x2



Discharge components x2  
Vent components x1



Vent adaptor x1  
2" turn Ø63 mm O.D.



or

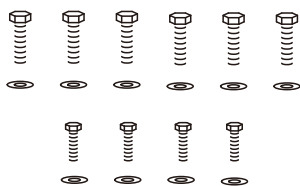
2" NPT x 2" slip



Foam seal x2



Cover screw set x6  
Float tree screw set x4



Strip x6



\* The accessories may not be exactly as shown.

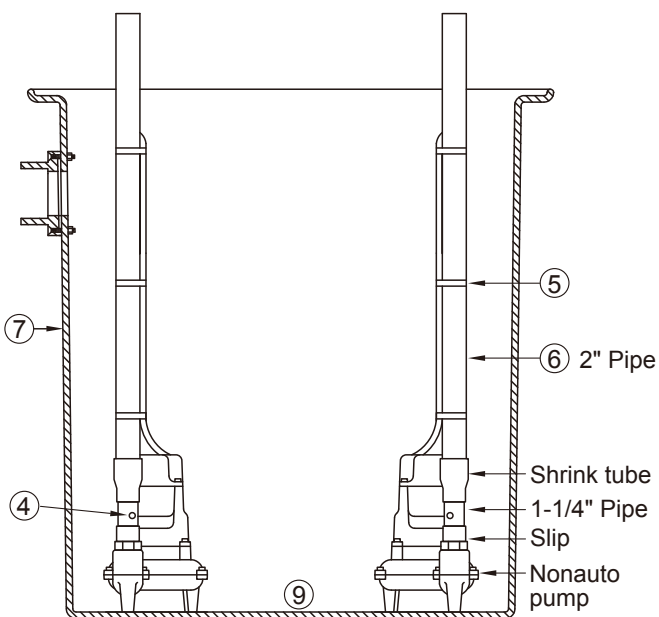
EA0050

# RECOMMENDED INSTALLATION FOR ALL APPLICATIONS

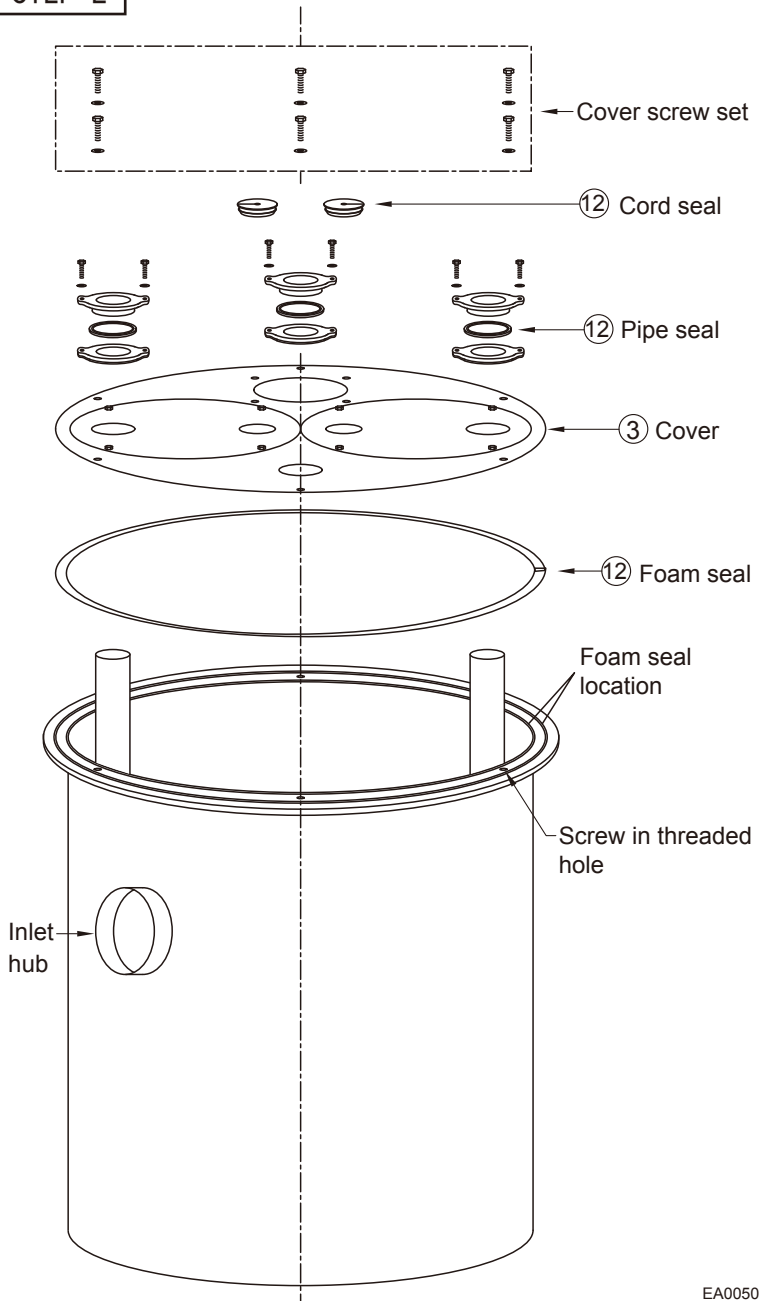
- ① Electrical wiring and protection must be in accordance with governing electrical code and any other applicable local electrical requirements.
- ② Install proper Zoeller unichuck (combination union and check valve), preferably just above the basin to allow easy removal of the pump for cleaning or repair.
- ③ All installations require a basin cover to prevent debris from falling into the basin and to prevent accidental injury.
- ④ When a Unichuck is installed, drill a 5 mm (3/16") dia. hole in the discharge pipe even with the top of the pump. To avoid the water stream impact on the float operation, the hole location should avoid facing the float. To reduce the noise from the water stream hitting the basin, drilling the hole below "off" point is recommended. **NOTE: THE HOLE MUST ALSO BE BELOW THE BASIN COVER AND CLEANED PERIODICALLY.** (High Head unit see #3 under "Caution" on front page). 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).
- 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 Locate float switches as shown in sketches. The best place for the "off" point is above the motor housing and positioned 180° from the inlet. Never put "off" point below discharge on pump (sewage & effluent only). **NOTE: FOR AUTOMATIC PUMPS, USE DEWATERING INSTALLATION SKETCH.**
- ⑫ Gas tight seals required to contain gases and odors.
- ⑬ Vent gases and odors to the atmosphere through vent pipe.

## STEP 1

Apply glue to every piping connection.



## STEP 2



EA0050

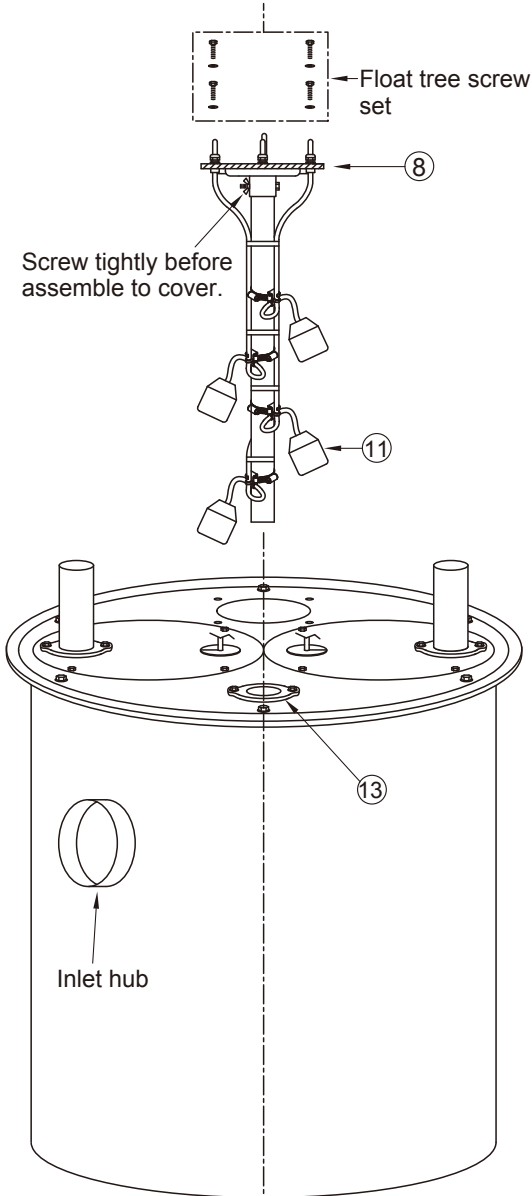
# RECOMMENDED INSTALLATION FOR ALL APPLICATIONS

- ① Electrical wiring and protection must be in accordance with governing electrical code and any other applicable 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.
- 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 5 mm (3/16") dia. hole in the discharge pipe even with the top of the pump. To avoid the water stream impact on the float operation, the hole location should avoid facing the float. To reduce the noise from the water stream hitting the basin, drilling the hole below "off" point is recommended. **NOTE: THE HOLE MUST ALSO BE BELOW THE BASIN COVER AND CLEANED PERIODICALLY.** (High Head unit see #3 under "Caution" on front page). Water stream will be visible from this hole during pump run periods.
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  - ⑫ Gas tight seals required to contain gases and odors.
  - ⑬ Vent gases and odors to the atmosphere through vent pipe.
- \* To exchange the function of alarm and lag float switch, please see ZT0140\_Ec for wiring change.

## STEP 3

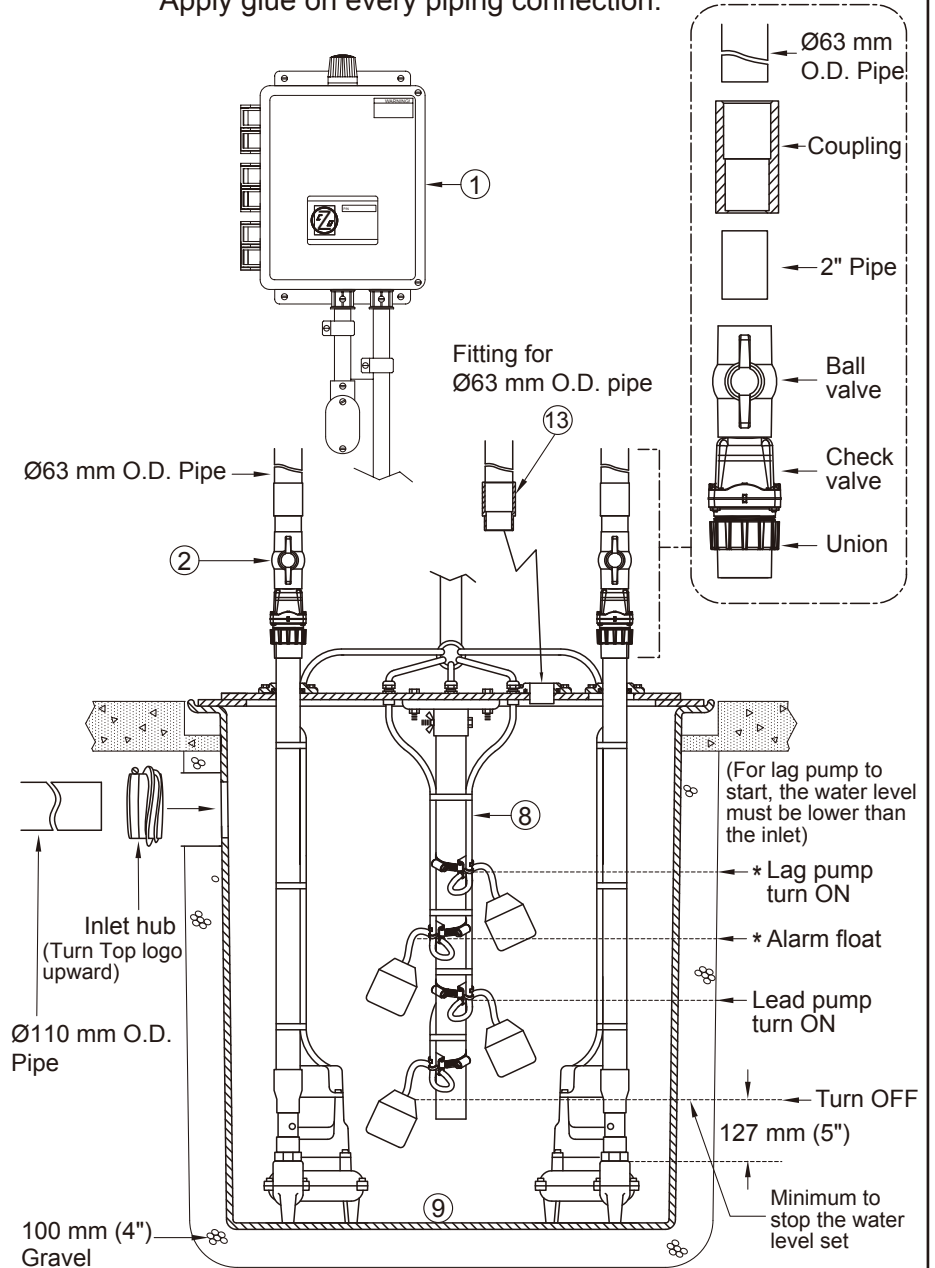
Pump must be level and float mechanism(s) clear of sides of basin before starting pump.



EA0051

## STEP 4

Apply glue on every piping connection.



EA0051



# INSTALLATION INSTRUCTIONS

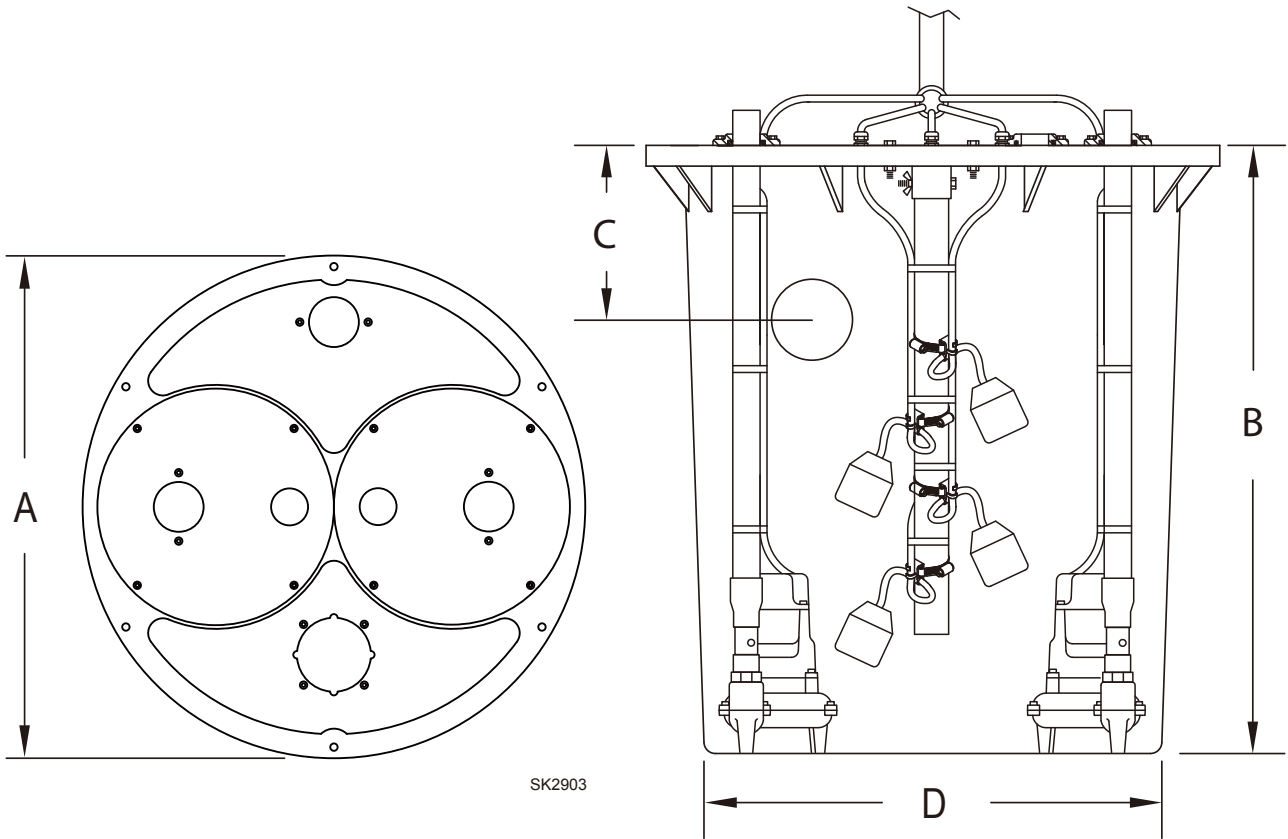
## HOW TO INSTALL

### JACKEL'S 4" DWV SNAP-IN HUB\*

**Note:** *The Snap-in hub is made from plastic rubber and is designed for use with 4" DWV ABS Schedule 40 pipe and 4" PVC Schedule 40 pipe (4-1/2" O.D.) and has an operating range from -28 °C (-20 °F) to 50 °C (120 °F).*

- (A) Step 1** Hold Snap-in hub in upward position in right hand so that the ARROW and TOP markings are visible.
- Step 2** With right hand push bottom track, which is molded in the Snap-in hub, into the bottom edge of tank hole.
- Step 3** Hole in place with left hand inside tank. Then squeeze hub outside of tank into oval shape and push into hole, pulling with left hand and fitting rest of hole edge into the track.
- Step 4** If hub appears out of round, run fingers around inside hub seal to make sure it has a tight fit. Examine outer lip edge and press into track if caught on outer edge.
- (B) To insert your 4" ABS or PVC pipe:**
- Step 1** Cut pipe square.
- Step 2** Chamfer end. Failure to do so can cut built-in 'O' rings off. The 'O' rings in the Snap-in hub make the seal and are vital.
- Step 3** USE ANY LIQUID SOAP and rub around the circumference of the pipe approximately 102 mm (4") back from the chamfered end and insert chamfered end of pipe into the Snap-in hub using sufficient pressure to push pipe through the Snap-in hub. Extend pipe into tank approximately 25 mm (1") beyond the inside edge of the snap-in hub.
- Caution:* DO NOT USE A TWISTING FORCE – rather, use a sideways motion.
- Step 4** Install non-corrosive clamp by placing the worm gear housing of clamp in slot provided on the top of the Snap-in hub. Wrap strap around inside the groove and tighten sufficiently.
- Note: Snap-in hub is not mechanically sealed.

## DIMENSIONAL DATA



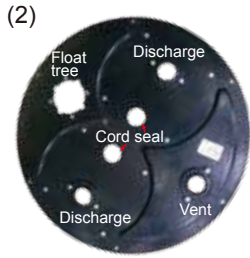
Size	Dimension			
	A	B	C	D
760 x 910 mm (30" x 36")	914 mm (36")	914 mm (36")	267 mm (10-1/2")	762 mm (30")
910 x 760 mm (36" x 30")	1016 mm (40")	762 mm (30")	*	914 mm (36")
910 x 910 mm (36" x 36")	1067 mm (42")	914 mm (36")	267 mm (10-1/2")	914 mm (36")

\* Carry out the hole in accordance with customer needs.

# INSTALLATION STEPS



(1) Cover orientation



(2) Cover location map



(3) Screw in thread hole.



(4) Adjust cover to match thread hole.



(5) Assemble foam seal.



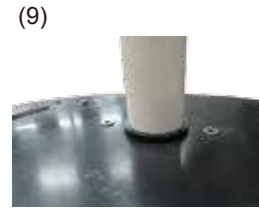
(6) Pump orientation, tie the cord with strip.



(7) Cord comes through the cord seal.



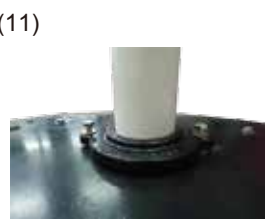
(8) Loosen screw.



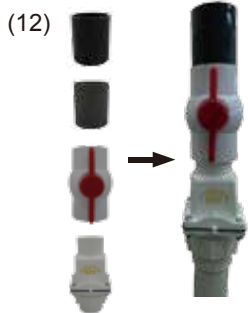
(9) Place seal.



(10) Place discharge flange.



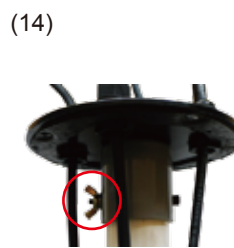
(11) Screw tightly.



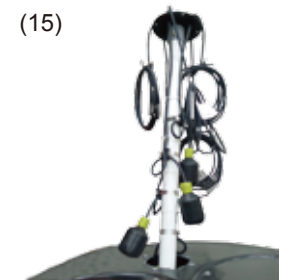
(12) Assemble union check valve and ball valve.



(13) Screw vent fitting.



(14) Screw tightly before assembling the to cover



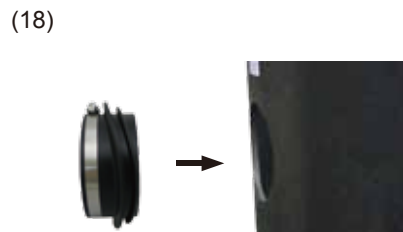
(15) Assemble float tree. Ensure float faces central of basin.



(16) Screw down the float tree plate.



(17) Align the cover and screw in tightly.



(18) Assemble (Turn Top logo upward)

Apply glue to every piping connection.



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

Trusted. Tested. Tough.™

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



**50 Hz**









Visit our web site:  
zoellerpumps.com

# INSTALLATION INSTRUCTIONS

807 / 2702 / 2722 / 2732HF

## 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>	<b>SAFETY INSTRUCTIONS</b>
<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> <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> <p> <b>WARNING</b> Warns of hazards that <b>CAN</b> cause serious personal injury, death or major property damage.</p> <p> <b>CAUTION</b> Warns of hazards that <b>CAN</b> cause personal injury or property damage.</p> <p>  Warns of electrical shock hazards that <b>CAN</b> cause serious personal injury, death or major property damage.</p> <p> 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.</p> <p> Read operator's manual.</p> <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 10.</p>	

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

## 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. The installation of variable level float switches is the responsibility of the installing party, and care should be taken that the tethered float switch will not hang up on the pump apparatus or pit peculiarities and is secured so that the pump will shut off. It is recommended to use rigid piping and fittings and the pit be 45 cm (18") or larger in diameter.
3. Vent hole. 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 5 mm (3/16") vent hole must be drilled in the discharge pipe below the check valve and pit cover to purge the unit of trapped air. Vent hole should be checked periodically for clogging. The vent hole on a High Head application may cause too much turbulence. You may not want to drill one. 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. **NOTE: THE HOLE MUST BE BELOW THE BASIN COVER AND CLEANED PERIODICALLY.** Water stream will be visible when pump is operating.
4. 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 an authorized Zoeller Company Representative only.
5. Model 807 maximum operating temperature must not exceed 54 °C (130 °F). Model 2702, 2722, 2732HF maximum operating temperature must not exceed 40 °C (104 °F).
6. 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.
7. For health reasons, do not unplug, turn off, or disable pump and use pump tank system as a way to fill up a sink or laundry tray, etc.
8. This unit is not designed for application salt water or brine. Use with salt water or brine will void warranty.

## 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 one year from date of purchase by the end user, or 18 months from date of original manufacture of the product, whichever comes first. Parts that fail within the warranty period, one year from date of purchase by the end user, or 18 months from the date of original manufacture of the product, whichever comes first, 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 uncontrolled 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 any other abusive entity, 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 authorized distributors 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 jurisdictions do not allow limitations on the duration of an implied warranty, so the above limitation may not apply to you. Some jurisdictions 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 jurisdiction to jurisdiction.

**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 UNIT

1. **DO** read all installation material included with the pump.
2. **DO** inspect unit for any visible damage caused by shipping. Contact dealer if unit appears to be damaged.
3. **DO** remove all debris from the basin. Be sure that the pump will have a hard, level surface beneath it. **DO NOT** install on sand, gravel or dirt.
4. **DO** be sure that the area 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.
6. **DO** install a check valve and a union in the discharge line. **DO NOT** use a discharge pipe smaller than the pump discharge size.
7. **DO NOT** utilize this unit for pumping gasoline or other hazardous liquids.
8. **DO** test pump immediately after installation to be sure that the system is working properly.
9. **DO** review all applicable local and national codes and verify that the installation conforms to each of them.
10. **DO** consult manufacturer for clarifications or questions.
11. **DO** consider a D.C. Backup System is necessary for the prevention of property damages from flooding due to A.C. power disruptions, mechanical or electrical problems or system overloading.
12. **DO** inspect and test system for proper operations at least every 3 months.

## SERVICE CHECKLIST



**▲ WARNING ELECTRICAL PRECAUTIONS-** Before servicing a pump, always shut off the main power breaker and then unplug the pump. "Make 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 to the pump prior to removal.

**▲ WARNING** Submersible pumps contain oils which become pressurized and hot under operating conditions. **Allow 2-1/2 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, motor or wiring shorted. Float assembly held down. Switch, 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, motor shorted.
C. Pump starts and stops too often.	Float switch tether length too short, check valve stuck open, or none installed in long distance line, overload open, bidding, 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 inlet, strainer housing, discharge pipe, and vent holes for obstructions. Discharge head exceeds pump capacity. Low or incorrect voltage. Incoming water containing air or causing air to enter pumping chamber. Incorrect motor rotation. (3 phase pumps only.)
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 reveal the problem, consult the factory. Do not attempt to service or otherwise disassemble pump. Service must be performed by an authorized Zoeller Company representative.

## SINGLE PHASE WIRING INSTRUCTIONS



**▲ WARNING 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.

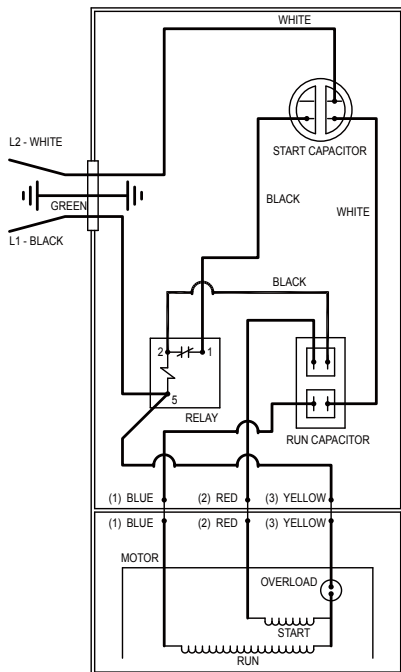


**▲ WARNING "Risk of electrical shock"** Do not remove power supply cord and strain relief or connect conduit directly to the pump.

**▲ WARNING** Installation and checking of electrical circuits and hardware should be performed by a qualified licensed electrician.

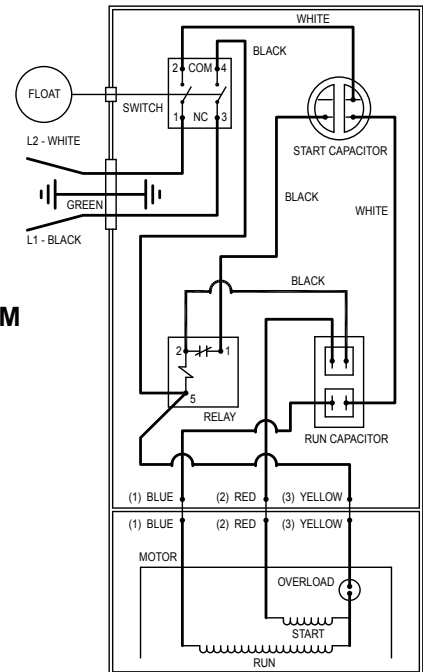
**▲ WARNING** Units supplied without a plug (single and three phase) and single phase nonautomatic units with a 20 amp plug must have a motor control and liquid level control provided at time of installation. The control device should have suitable voltage, ampere, frequency, grounding and horsepower rating for the pump to which it is connected.

**MODEL 807  
NONAUTOMATIC  
WIRING DIAGRAM**



153224

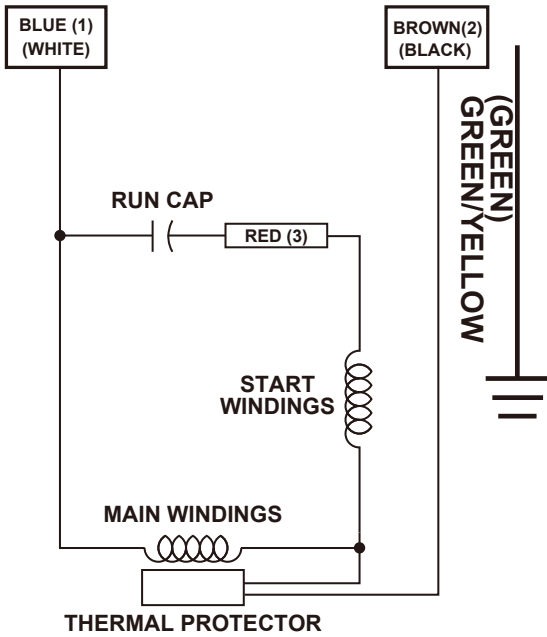
**MODEL 807  
AUTOMATIC  
WIRING DIAGRAM**



153223

# SINGLE PHASE WIRING INSTRUCTIONS

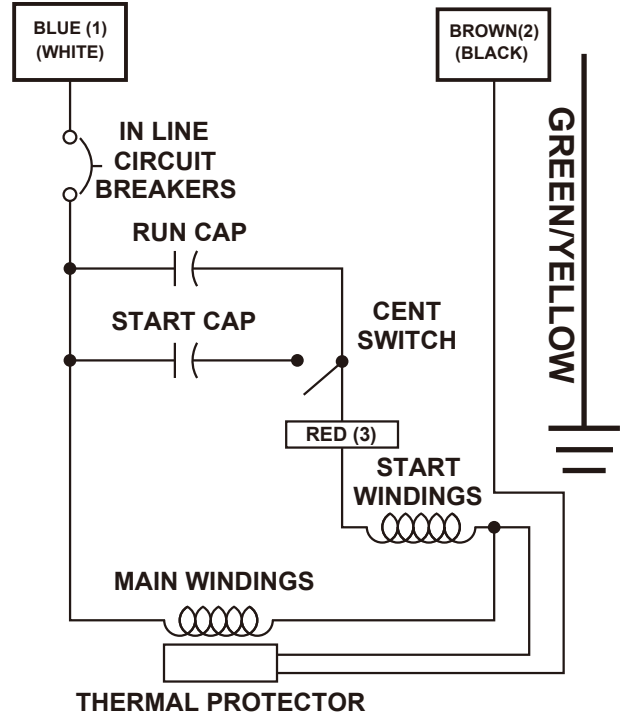
## Model 2702



<b>Run Capacitor</b>
<b>60 <math>\mu</math>F</b> <b>450 VAC</b>

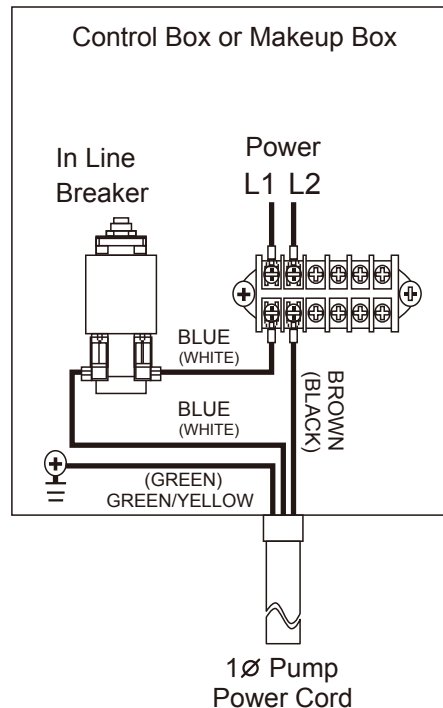
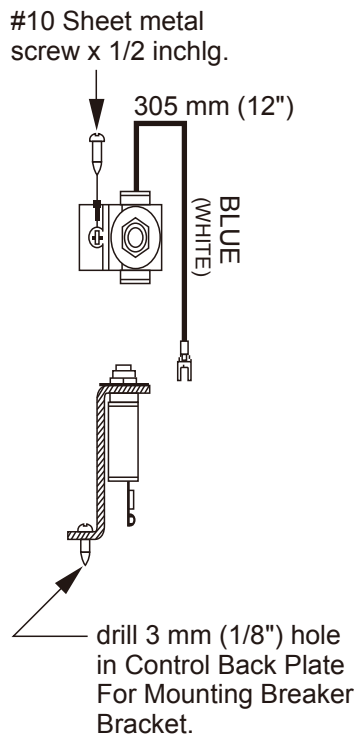
Two capacitors  
( 30  $\mu$ F, 450 VAC )  
in parallel.

## Models 2722, 2732HF



Model No.	Start Capacitor	Run Capacitor
2722	150 $\mu$ F 250 VAC	45 $\mu$ F 350 VAC
2732HF	200 $\mu$ F 250 VAC	30 $\mu$ F 300 VAC

## 1 $\emptyset$ Connection Drawing for In Line Breaker (Push to Reset Type)



*These are the original installation instructions.*

# 安装前务必详读说明书

Trusted. Tested. Tough.™

文件仅供参考  
若有任何修改  
恕不另行通知



50 Hz








Visit our web site:  
zoellerpumps.com

## 安装说明书

### 双泵套装系统磨碎提升器

#### 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，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. 请确认在供水泵电源的电路上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><li>6. 为了保护您的安全，接触水泵前请先拔除电源。</li><li>7. 为防范触电，本产品勿用于游泳池。</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。 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> <b>WARNING</b> 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> <b>CAUTION</b> 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>
	保固请参阅第14页。

请勿使用於油类、汽油、石油产品或含任何化学成分的液体。

## ⚠ CAUTION

## 注 意

1. 检查并确认使用的电源符合水泵铭牌上的规格需求。
2. 检查确认电源符合水泵或装置上铭牌所标示的电力资料。
3. 需依当地法令规章安装所有的配管(出口水管及通气管)。本装置必须有通气。请勿使用自动管路通气设备。
4. 仅得由获授权的服务站进行维修服务。
5. 务必安装止回阀减少水回流，造成不必要的水泵持续运转。
6. 本套装系统需安装在平均地下水位以上，避免损坏箱体。

## 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1.5年，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、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。

### ⚠ 警告

#### 电击的危险



安装或维修前请先切断电源。合格的维修人员必须在安装或维修产品时依照合适的电机和配管法规。

### ⚠ 警告

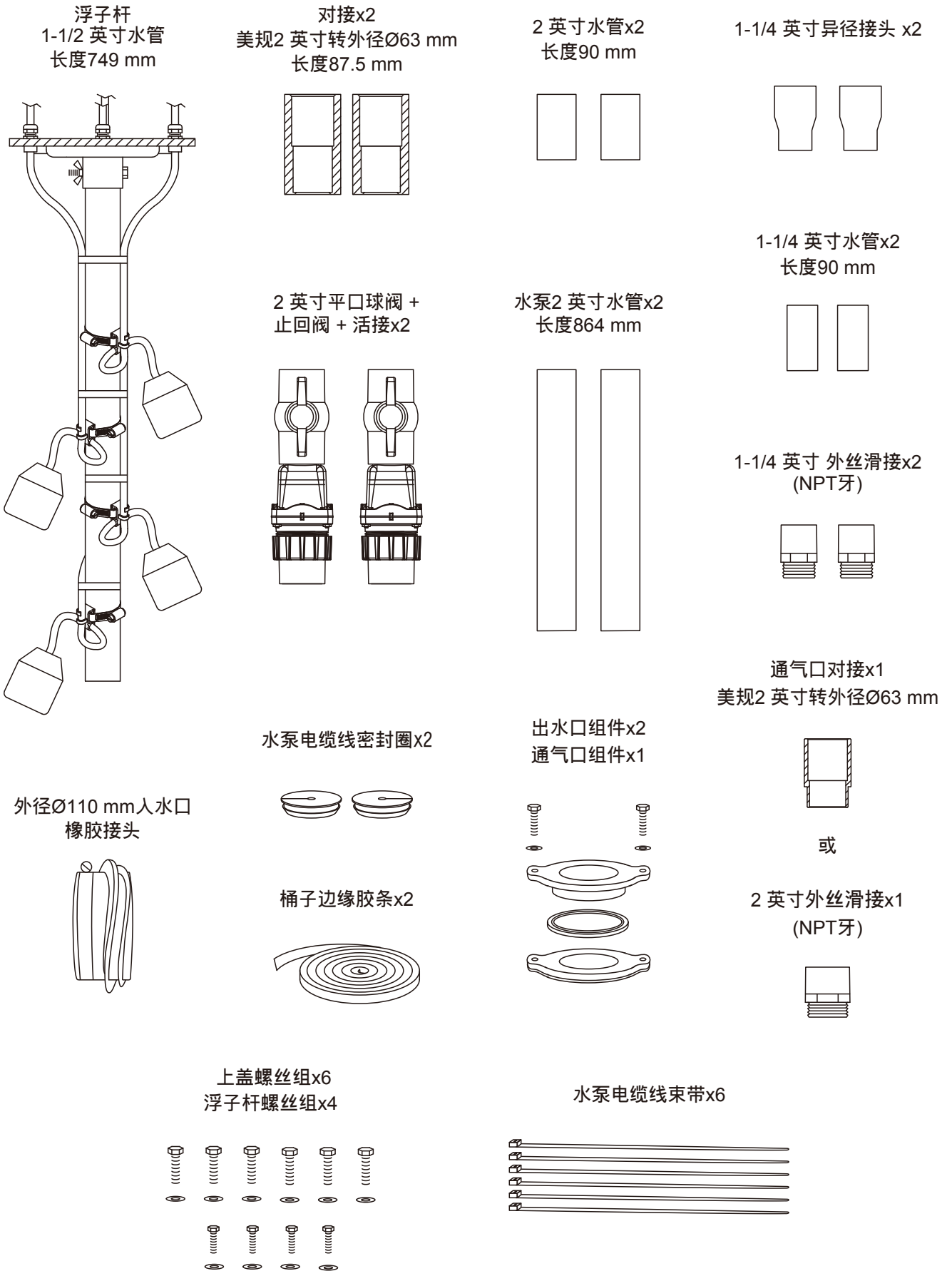
#### 爆炸或火灾危险



请勿将本产品与易燃液体一起使用。不要安装在危险场所，须符合国家电器法规。

未能遵守这些预防措施，可能会导致严重的人身伤害或死亡。如果开关的电缆损坏或断裂请立即更换产品。安装后妥善保存说明书。请依照国家电器规范安装本产品，防止水分由外壳，水管件，配件，浮球或电缆进入或聚积。

# 配件说明



\* 配件图示仅供参考。

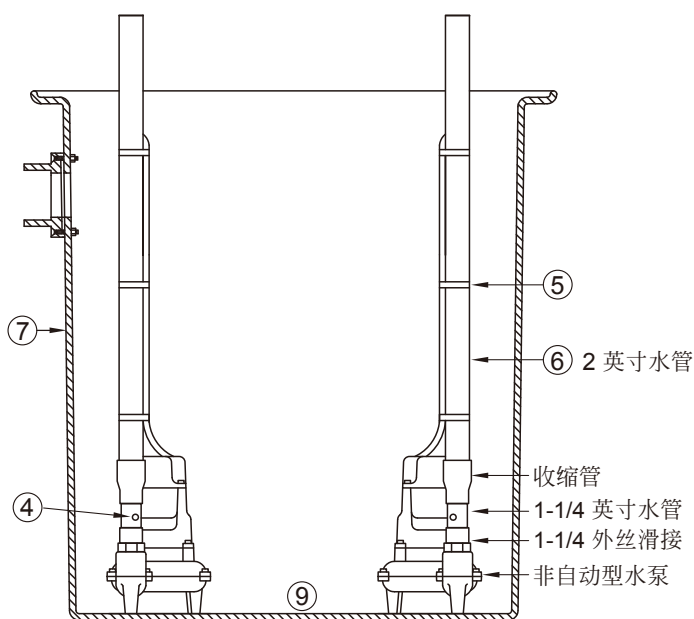
EA0050

# 安装说明

- ① 电气配线及保护措施需符合相关电气规范与当地其他应用惯例之需求。
- ② 请在水槽稍高处安装适当的活接与止回阀组合组件，以便於拆卸水泵供清洁整理或维修。於污水、污物或排水应用时若需高扬程或安装於盖板下。
- ③ 所有安装需使用水槽盖板防止杂物掉入水槽，并防止人员意外受伤。
- ④ 请在水泵水管钻一直径5 mm小孔，为避免通气孔水流影响对浮子的正常运作，通气孔的位置请避免面向浮子。建议钻孔位置低於”停止”水位，建议向下45度角可降低水流撞击桶子产生的噪音。注：该孔需低於水槽盖板，并需定期清理，水泵运转时可看见该小孔有水流出。
- ⑤ 用束带将电源线在出水管上固定牢靠，并使其避开浮子开关机构。
- ⑥ 出水管管径不可小於水泵出口口径。
- ⑦ 水槽需符合适用规范及规格。
- ⑧ 启动水泵前确认水泵水平，且浮子开关机构与水槽边墙保持净空距离，并确认浮子开关机构不被入水水流干扰。
- ⑨ 完成安装後必须清理水槽内所有杂物碎屑。
- ⑩ 闸阀或球阀由安装者提供，并需依照所有相关规范安装。
- ⑪ 如图示安装浮球开关。「停止」点的最佳位置为马达外壳上方、与入口成180°的方位。切勿将「停止」点配置在水泵出口以下。
- ⑫ 应使用气密密封圈隔绝气体与气味。
- ⑬ 利用通气管将气体与气味排出。

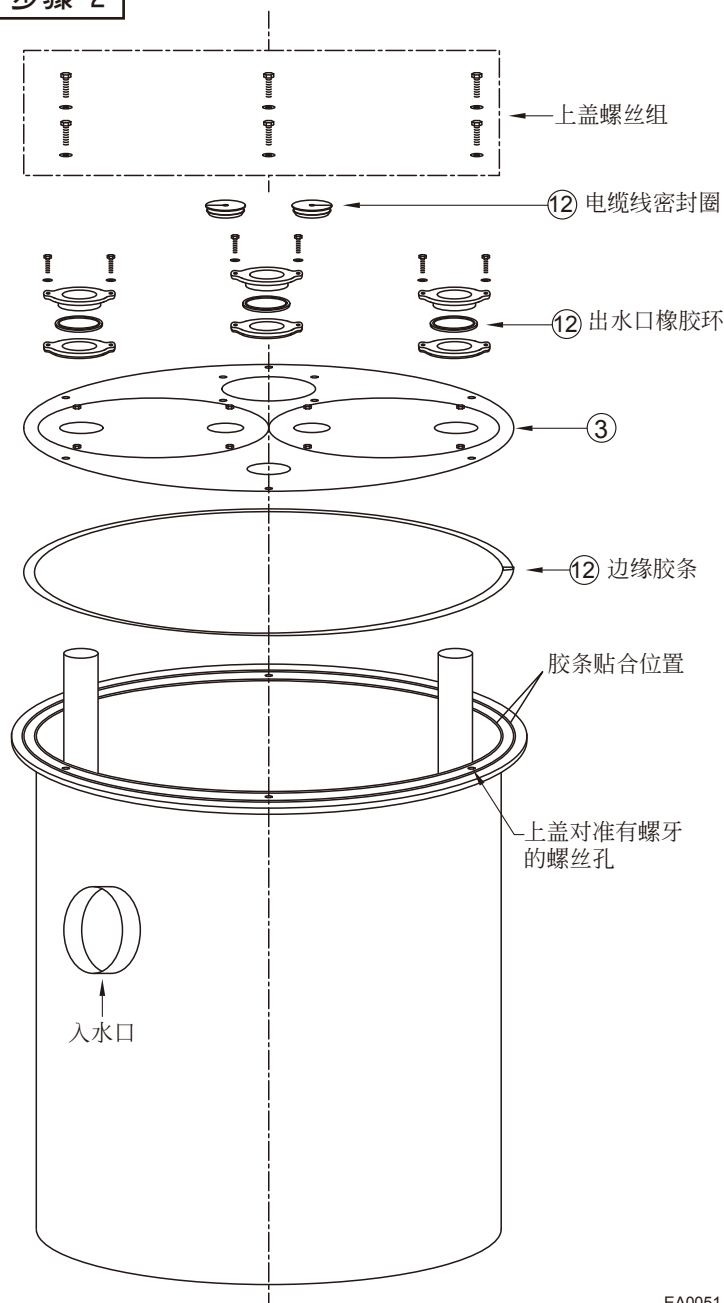
## 步骤 1

所有水管接合处都需上管路密封胶。



EA0051

## 步骤 2



EA0051



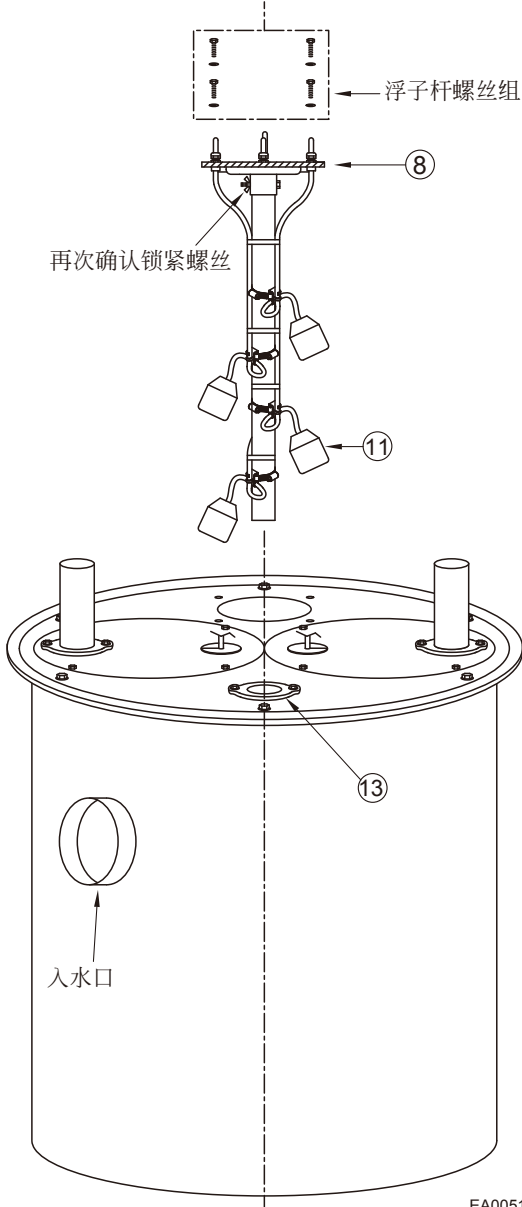
# 安装说明

- ① 电气配线及保护措施需符合相关电气规范与当地其他应用惯例之需求。
- ② 请在水槽稍高处安装适当的活接与止回阀组合组件，以便於拆卸水泵供清洁整理或维修。於污水、污物或排水应用时若需高扬程或安装於盖板下。
- ③ 所有安装需使用水槽盖板防止杂物掉入水槽，并防止人员意外受伤。
- ④ 请在水泵水管钻一直径5 mm小孔，为避免通气孔水流影响对浮子的正常运作，通气孔的位置请避免面向浮子。建议钻孔位置低於“停止”水位，建议向下 45度角可降低水流撞击桶子产生的噪音。注：该孔需低於水槽盖板，并需定期清理，水泵运转时可看见该小孔有水流出。
- ⑤ 用束带将电源线在出水管上固定牢靠，并使其避开浮子开关机构。

- ⑥ 出水管管径不可小於水泵出口口径。
  - ⑦ 水槽需符合适用规范及规格。
  - ⑧ 启动水泵前确认水泵水平，且浮子开关机构与水箱边墙保持净空距离，并确认浮子开关机构不被入水水流干扰。
  - ⑨ 完成安装後必须清理水槽内所有杂物碎屑。
  - ⑩ 闸阀或球阀由安装者提供，并需依照所有相关规范安装。
  - ⑪ 如图示安装浮球开关。「停止」点的最佳位置为马达外壳上方、与入口成180°的方位。切勿将「停止」点配置在水泵出口以下。
  - ⑫ 应使用气密密封圈隔绝气体与气味。
  - ⑬ 利用通气管将气体与气味排出。
- \* 如需双泵启动和警报功能互换，安装方式请见ZT0140\_Cb控制箱电路图。

## 步骤 3

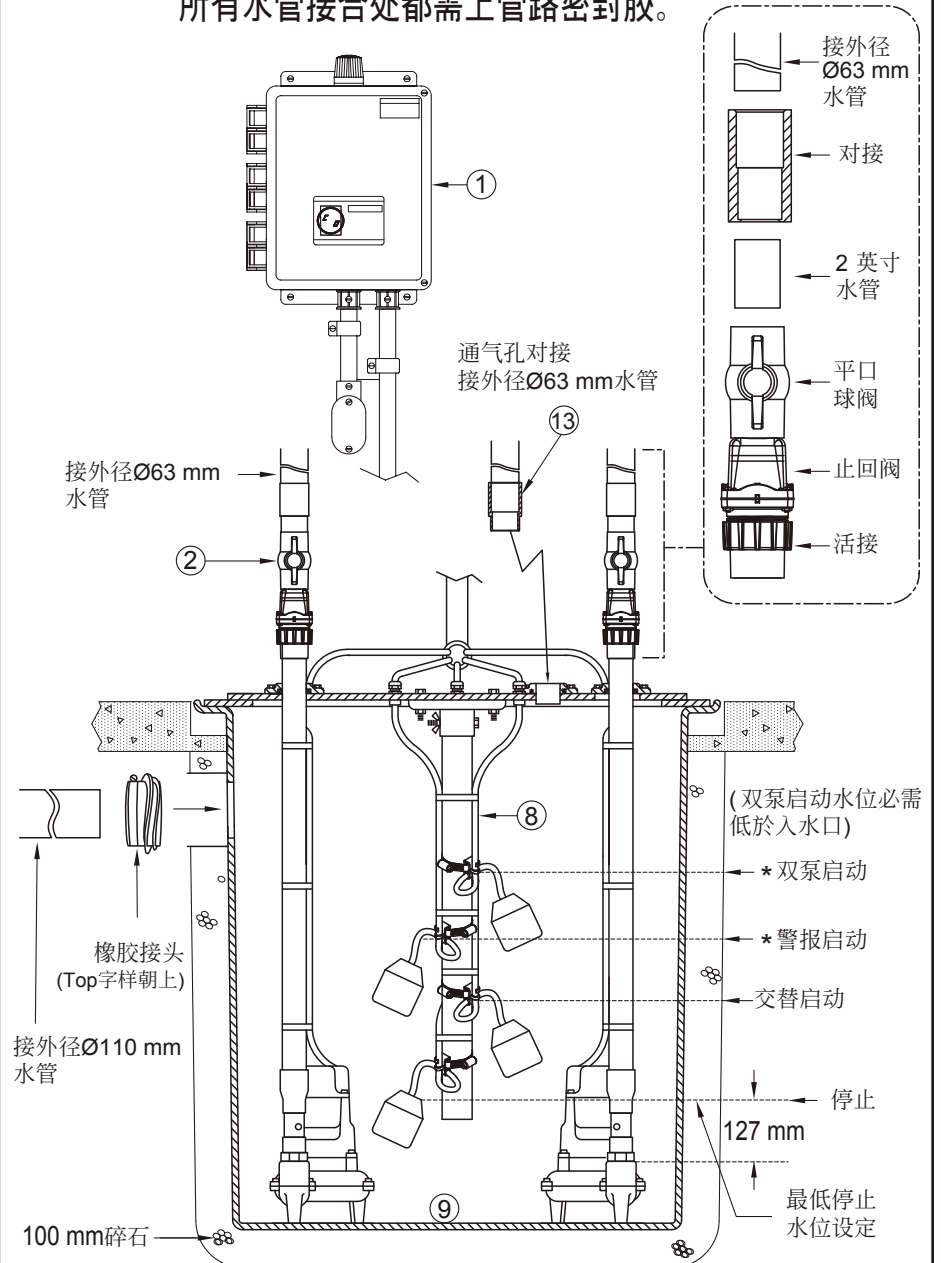
请依图示位置安装，确保浮子开关机构不被入水水流干扰。



EA0051

## 步骤 4

所有水管接合处都需上管路密封胶。



EA0051



## 安 装 说 明 书

# 如何安装橡胶密封环

备注：橡胶密封环设计使用在4” DWV ABS Sch40的管子及4” PVC Sch40(外径114 mm (4-1/2” ))的管子，使用温度范围为摄氏-28 度到50 度。

**(A) 步骤一：**用右手拿起橡胶密封环，使得箭头方向朝上，及可看见” TOP” 字样。

步骤二：将密封环的沟槽，卡入位於桶子侧边入水口的开孔下缘。

步骤三：在挤压密封环到孔里之前，先将密封环压成椭圆形，再将它整个装入。

步骤四：假如密封环呈现非圆形，使用手指在密封环内部绕，确认有适合的紧度，假如唇边外露，需挤回沟槽内。

**(B) 安装4” ABS或PVC管：**

步骤一：将管子切平。

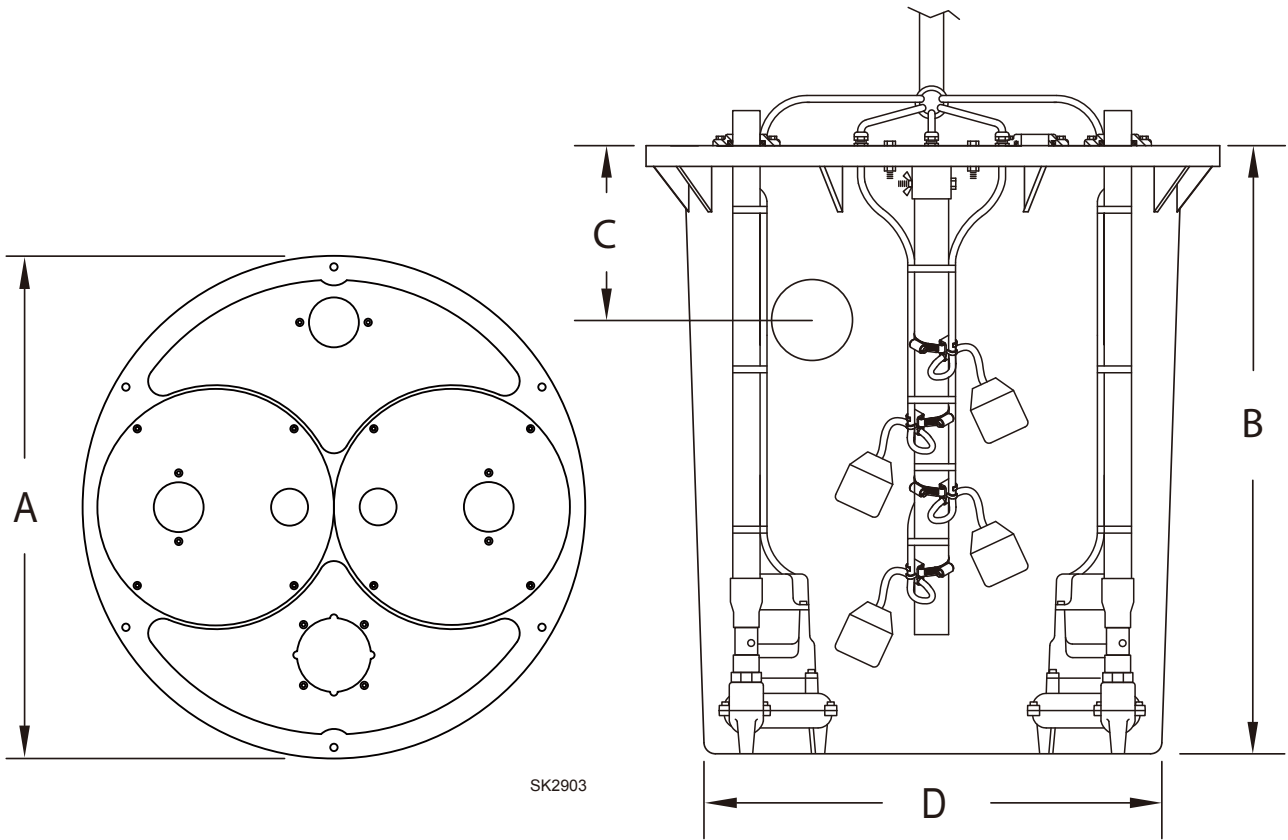
步骤二：管子外缘需倒角来避免伤害到密封环凹槽的O Ring；O Ring 对於密封是非常重要的。

步骤三：使用肥皂水涂抹管子周围，约从管子倒角至安装於密封内管子的另一端长度范围102 mm (4” )，在管子倒角那端，施予足够的压力插入橡胶密封环，需注意管子插入密封环後，管子需外露超出密封环25 mm (1” )，使其延伸入桶子。

警告：需直接插入管子，不可旋转。

步骤四：在橡胶密封环的狭长浅沟槽，使用不锈钢管束夹紧。

# 产品尺寸



箱体尺寸	尺寸			
	A	B	C	D
760 x 910	914	914	267	762
910 x 760	1016	762	*	914
910 x 910	1067	914	267	914

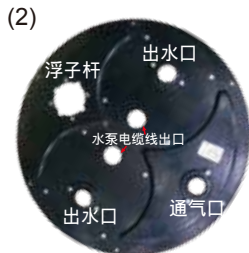
单位：mm

\* 依客户需求开孔。

# 图片补充说明



(1) 上盖与箱体务必对应位置



(2) 上盖位置图



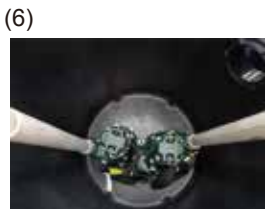
(3) 螺丝仅锁在箱体有螺牙的螺丝孔



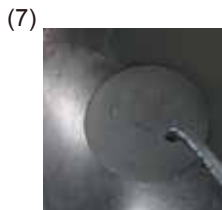
(4) 上盖对准有螺牙的螺丝孔



(5) 贴上边缘胶条



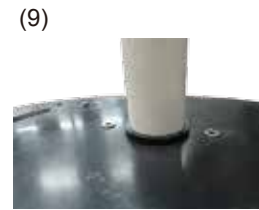
(6) 放置水泵，并用束带将电缆线固定在水管上，穿出上盖。



(7) 电缆线套进电缆线密封圈，安装在上盖。



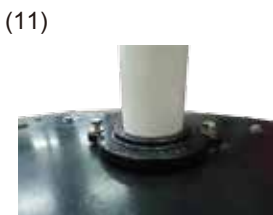
(8) 松开上盖出水口螺丝



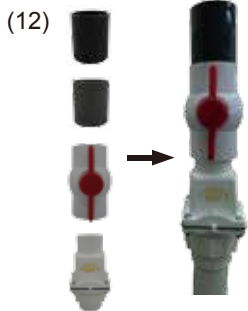
(9) 水管套上橡胶环



(10) 套上出水口组件



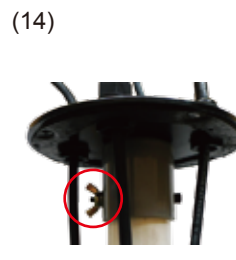
(11) 锁上螺丝组



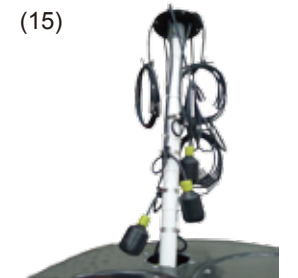
(12) 安装活接与止回阀组合组件



(13) 通气孔外丝滑接



(14) 确认浮子杆锁紧螺丝



(15) 放入浮子杆，浮子背对水槽并确认浮子开关运作不被水槽干扰。



(16) 锁上螺丝组



(17) 上盖与箱体对准位置，锁上螺丝组。



(18) 安装入水口橡胶接头 (Top字样朝上)

**所有水管接合处都需上管路密封胶。**

# 安装前务必详读说明书

Trusted. Tested. Tough.™

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








807 / 2702 / 2722 / 2732HF

型号: \_\_\_\_\_

安装日: \_\_\_\_\_

### 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——断电後等待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22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。

## ▲ CAUTION

## 注 意

1. 检查并确认使用的电源符合水泵铭牌上的规格需求。
2. 安装含自动浮球开关或外接式自动浮球开关的自动型产品时，安装者有责任确保浮球摆放在正确位置，且不会卡在水泵机组或机坑壁边，以确保本产品能正常运作。建议使用硬水管做为配管。
3. 排气孔的目的：  
一般沉水型污水泵都是从底部抽水，以防止水泵阻塞和泄漏。空气会因此容易积在水泵或管路内，造成气锁。排气孔是为了将这些空气排出。因此，必须在逆止阀与机坑盖下的管路凿一排气孔(直径约5 mm)，用以排来自底部入水口的积存空气。积存的空气可能源自於水泵运作时的搅动，或於水槽乾涸时进入水

- 泵。排气孔应定期检验，排除阻塞。本产品运转时看见水从排气孔流出，为正常现象。
4. 时常检查是否有杂物卡住浮子。维修请洽本公司认可的维修站。
  5. 807型最高环境温度不得超过摄氏54度(华氏130度)。2702型、2722型、2732HF型最高环境温度不得超过摄氏40度(华氏104度)。
  6. 请勿在总动力扬程低於性能曲线中扬程下限之场合使用。运转时需保持直立。请勿倾斜水泵。
  7. 基於健康理由，不要使用水泵系统来注入水槽或洗衣机的水等。

## 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1.5年，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。

## 安装注意事项

1. 请务必阅读本装置之所有安装资料。
2. 请务必检查装置是否在运送中产生可见的损坏。若装置显示受损，请洽经销商。
3. 请务必清除水坑中之杂物。将水泵放置在坚固地面上。切勿将水泵放置在泥沙上。
4. 请务必确认水坑大小足以允许浮子自由活动。
5. 处理前切断水泵电源。连结到独立受保护的接地漏电流断路器。请勿切断、拼接或损坏电源线。请勿用电源线拉动或举起水泵。请勿使用延长线。
6. 请务必在出水管线安装止回阀和管接头。切勿使用小於出水口径尺寸的水管安装。

7. 切勿使用本装置抽取汽油或其他危险液体。
8. 请务必在安装後立即测试水泵，以确认系统正常运作。
9. 请务必详阅所有适用当地及国家规则，确认安装符合各项规定。
10. 若有疑问，请务必洽制造商查明。
11. 请务必考虑电池备用系统，以防停电或故障造成的财产损失。
12. 请务必每3个月检查一次系统是否正常运作。

# 检查清单



**警告** 在维修水泵之前，须关闭总电源断路器，拔除水泵插头——确保人未站在水中，且穿上绝缘保护底的鞋子。水溢流时，联络当地的电力公司，或有执照的合格电气技师，在移除管之前进行断电。



**警告** 本水泵含冷却油，在运作状态下会受压变热——断电後等待2.5小时再进行维修。

异常状况	可能原因	补救措施
<b>A. 水泵未开始运作。</b>	低电压、保险丝烧断、电路中断。	由合格电气技师检查保险丝和电路。
	叶轮卡住。	联络经销商。
	马达或电线短路。	
	浮子开关上有杂物。	去除杂物
<b>B. 马达过热造成跳电或保险丝烧断。</b>	电压错误、负扬程(出水口高度低於水泵)、叶轮或轴封卡死、电容器、继电器或马达短路。	联络经销商。
<b>C. 水泵启动停止次数太频繁。</b>	止回阀阻塞、无止回阀、热过载保护器启动或浮子有瑕疵。	联络经销商。
<b>D. 水泵不停止。</b>	浮子下方有杂物。	去除浮子周围的杂物。
	浮子开关故障。	联络经销商。
<b>E. 水泵运转正常，但抽不到水或水流量太少。</b>	进水口周围有杂物。	清理进水口附近区域。
	排放管堵塞。	必要时卸除排放管，冲走杂物。
	电压太低或不当电压。	由合格电气技师检查家庭管线。
	叶轮受损。	联络经销商。
	马达运转不当、电容器瑕疵、入水含空气或造成空气进入水机室。	联络经销商。
	水泵气锁。	确保排放管中的通气孔畅通。
	安装扬程超过系统设计的扬程。	更换排放管或联络经销商。
<b>F. 扬程或流量使用一般时间後降低。</b>	管路或止回阀阻塞。磨蚀性物质及有害的化学物质造成叶轮及水机损坏。	检查管路、打开并检查水机。

如果检查後仍无法排除问题，请与Zoeller公司授权的经销商联络，切勿自行拆卸水泵。

# 单相接线说明



**警告** 为您的安全著想，处理水泵前务必先卸除电源。单相水泵均附带3芯接地插头以防止触电的可能性。任何情况下都不允许移除接地插销。3插插头必须插入3插用插座。如果无法提供3插用插座，也必须更改为有接地功能按照国家电气法规和所有适用当地的法规和条例的安装方式。

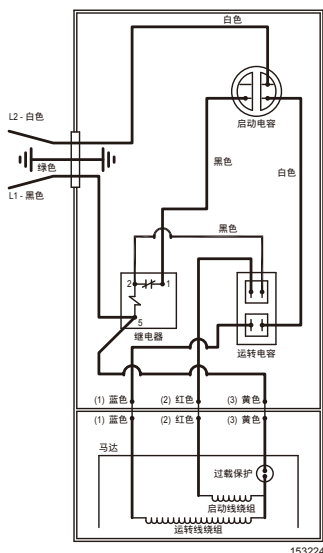


**警告** 为避免触电，请勿移除电缆线。如果电缆线受损，请联络经销商或本公司核可的服务单位维修。

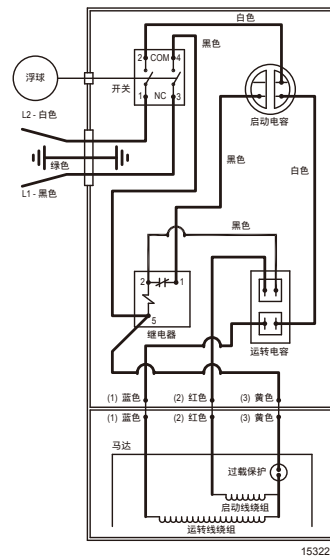
**警告** 仅得由持有证照的合格水电技师来进行水泵安装、管路搭配及电路配线。

**警告** 无插头（单相和三相）和20安培插头的单相非自动型的产品安装时必须配有马达控制或液位控制开关。控制设备应有适当电压、安培、频率、接地和额定马力以搭配连接的产品。

**807型  
非自动型  
接线图**

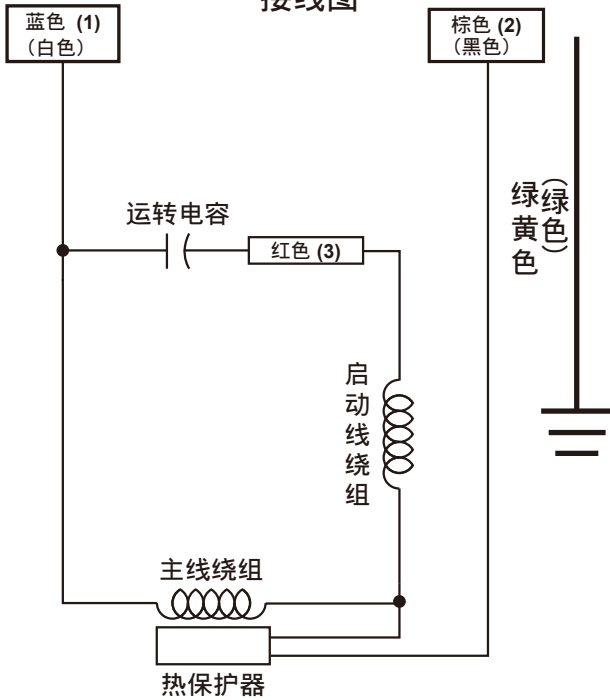


**807型  
自动型  
接线图**



# 单相接线说明

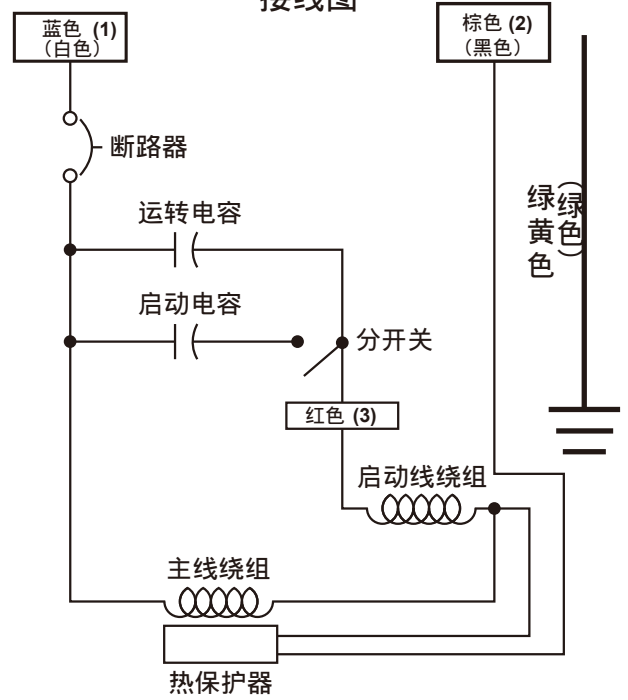
## 2702 型 接线图



运转电容
60 $\mu\text{F}$ 450 VAC

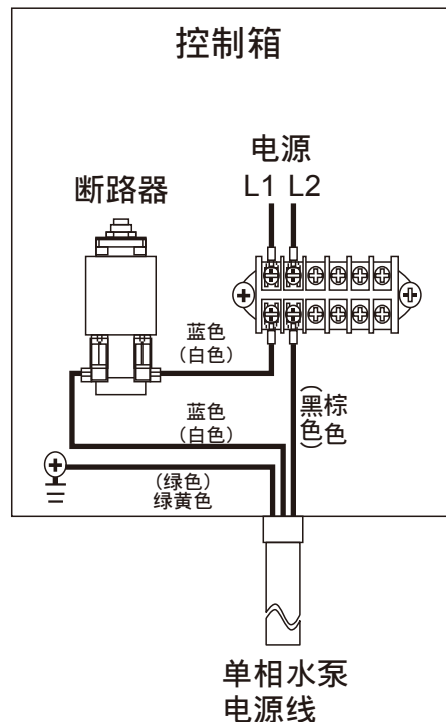
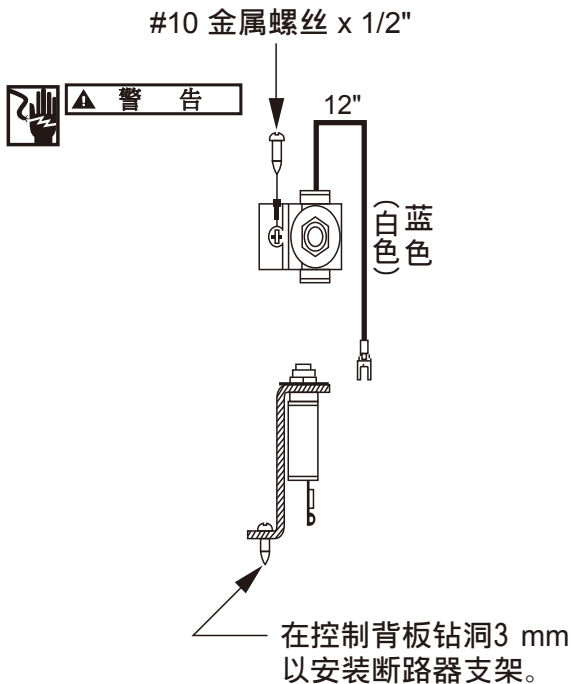
两个电容并联  
(30  $\mu\text{F}$ , 450 VAC)

## 2722 型、2732HF 型 接线图



型号	启动电容	运转电容
2722	150 $\mu\text{F}$ 250 VAC	45 $\mu\text{F}$ 350 VAC
2732HF	200 $\mu\text{F}$ 250 VAC	30 $\mu\text{F}$ 300 VAC

# 单相断路器接线图 (手动复归型)



这是原始安装说明的翻译资料。