

## 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. 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 uncontrollable 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 Support 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.

In instances where property damages are incurred as a result of an alleged product failure, the property owner must retain possession of the product for investigation purpose.

## DO'S & DON'T'S FOR INSTALLING UNIT

- DO** read all installation material with the unit.
- DO** inspect unit for any visible damage caused by shipping. Contact dealer if unit appears to be damaged.
- 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.
- DO** be sure that the area is large enough to allow proper clearance for the level control switch(es) to operate properly.
- 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.
- DO** install a check valve and a union in the discharge line.  
**DO NOT** use a discharge pipe smaller than the pump discharge.
- DO NOT** utilize this unit for pumping gasoline or other hazardous liquids.
- DO** test pump immediately after installation to be sure the system is working properly.
- DO** review all applicable governing codes and verify that the installation conforms to each of them.
- DO** consult manufacturer for clarifications or questions.
- DO** consider a two-pump system with an alarm where an installation may become overloaded or primary pump failure would result in property damages.
- 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.
- DO** inspect and test system for proper operations at least every 3 months.

## SERVICE CHECKLIST

CONDITION	COMMON CAUSES
<b>A. Pump will not start or run.</b>	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>B. Motor overheats and trips overload or blows fuse.</b>	Incorrect voltage, negative head (discharge open lower than normal) impeller or seal bound mechanically, motor shorted.
<b>C. Pump starts and stops too often.</b>	Float switch tether length too short, check valve stuck open, or none installed in long distance line, overload open, bidding, sump pit too small.
<b>D. Pump will not shut off.</b>	Debris under float assembly, float bound by basin sides or other, switch damaged or out of adjustment.
<b>E. Pump operates but delivers little or no water.</b>	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)
<b>F. Drop in head and/or capacity after a period of use.</b>	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.
<b>G. Tank or fittings leak.</b>	Carefully tighten pipe joints (use pipe dope) and screws. Check gasket location, tighten lid evenly. Do not over tighten fittings or screws.

If the above checklist does not reveal the problem, consult the Product Support Department. Do not attempt to service or otherwise disassemble pump. Service must be performed by a Zoeller Authorized Service and Warranty Center. Visit [www.zoeller.com](http://www.zoeller.com) for a complete list of service centers.