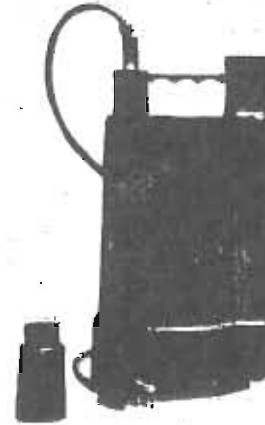


YELLOW SUB SUBMERSIBLE PUMP

Owners Manual



WARNING

Important Safety Information Rules for Safe Installation and Operation

Always follow these rules to avoid bodily injury or property damage.

- 1. WARNING! Risk of electrical shock** - This pump is supplied with a grounding conductor and ground-ing-type attachment plug. To reduce the risk of electric shock, be certain that is connected only to a PROPERLY grounded, grounding-type receptacle.
- 2. WARNING! Risk of electrical shock** - This pump has not been investigated for use in swimming pool areas.
- 3. WARNING! Electrical shock hazard - may cause severe personal injury, death or substantial property damage.** For your safety, turn off the electrical power supply at the service entrance before installing or servicing the pump to avoid any possible electrical shock hazards. Never make adjustments to a pump when the power is connected. When changing fuses, never stand in water or put your fingers in the fuse box socket. Either practice can result in a dangerous - or even fatal - electrical shock.
- 4. WARNING! Electrical shock hazard - may cause severe personal injury, death or substantial property damage. RECOMMENDED GROUNDING METHOD: DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER SUPPLY CORD GROUND PRONG.** For your personal safety, the pump must be grounded. The pump is equipped with a power supply cord with a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong grounding type, 115 volt AC wall receptacle, grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall receptacle is not available, it is your personal responsibility and obligation to have a properly grounded 3-prong wall receptacle installed by a qualified electrician. **Removal of the power cord grounding prong will void warranty.**
- 5.** Be sure to follow the National Electric Code and any applicable codes regarding electrical service. If in doubt, call a licensed electrician or your power company.
- 6. CAUTION! DO NOT** pump flammable liquids, strong chemicals or liquids at temperatures above 120° F.
- 7. WARNING!** Use of a ground fault circuit interruptor is strongly recommended. See your local electrical supply dealer for various brands of GFCI devices.

I. Performance

Your pump is designed to effectively pump clear all storm and drain waters. Although it will usually pass small particles suspended in water, grass, heavy mud, sand or pea gravel can clog the pump and reduce performance. This can usually be cleaned out by backflushing with a garden hose through the discharge. The normal performance that can be expected is as follows:

Discharge Height Above Pumping Level	0'	5'	10'	15'
Gallons per Minute	31	27	22	13

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.

II. Operation

- A. Set pump on hard surface in water.
- B. Use the pre-installed garden hose adapter for 3/4" discharge line or disconnect the adapter to use a 1-1/4" discharge line.
- C. Plug power cord into properly grounded 115 volt AC power outlet. (See recommended grounding methods on front page). 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 120° F.
- D. The pump is supplied with a 3/4" garden hose adapter. For use with plastic pipe, remove the adapter and install the desired 3/4" or 1-1/4" NPT fitting. DO NOT OVERTIGHTEN THE HOSE OR PLASTIC ADAPTER FITTING. Finger tight plus 1/2 turn is sufficient.

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.

III. Maintenance

- A. 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.
- B. The motor is a continuous duty type which is protected with an automatic thermal overload protector device.
- C. The pump can run against a restricted discharge such as a fountain without damage to the pump.
- D. If the pump becomes clogged, remove the screen and clean out the area.
- E. If necessary, remove the seven (7) screws holding the volute to the motor housing and clean the volute.
- F. If the impeller is removed, make sure that a spacing of .050" with shaft pushed toward housing is maintained when reassembling.

ONE-YEAR LIMITED WARRANTY

This product is warranted for one year from the date of purchase or two years 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) 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 Conklin, New York 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 have other rights which vary from state to state. Some states 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.

FOR YOUR WARRANTY PROTECTION, THE WARRANTY REGISTRATION MUST BE COMPLETED AND RETURNED WITHIN TEN DAYS OF INSTALLATION. WARRANTY VALID IN CANADA AND MEXICO.

For Warranty Information contact:

Customer Service Dept. • 380 Broome Corporate Parkway, Conklin, N.Y. 13748 USA • 1-800-235-0008