INSTALLATION

Do not work on pump until power is unplugged.

Do not cut off ground pin or use an adapter fitting.

Do not use an extension cord.

The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps. It can be connected to non-fuse breaker at the recommended amperes.

1. Before installing or servicing this pump, be certain pump source is disconnected.
2. Installation and electrical wiring must adhere to state and local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.
3. Call an electrician when in doubt. Pump should be connected to a separate 15 amp circuit breaker or 15 amp fuse block.

   Note that plugging into existing outlets may cause low voltage at motor. This could cause blown fuses, tripping of motor overload or burned out motor.
4. A permanent ground connection from pump to the grounding bar at the service panel is mandatory. These sump pumps come with a grounding conductor and a grounding-type attachment plug. Do not connect pump to a power supply until permanently grounded.

   For maximum safety, connect pump to a circuit equipped with a fault interrupter device when positioning the pump's grounding wire.
5. Voltage of power supply must match the voltage of the pump.
6. Before installing pump, clear sump basin of any water, debris or sediment.

⚠WARNING Sump basin must be vented in accordance with local plumbing codes. These Sump pumps are not designed for and CANNOT be installed in locations classified as hazardous.

7. The following may cause severe damage to pump and will void the warranty.

   (a) Using an extension cord.

   (b) Cutting off the ground pin or using an adapter fitting.

   (c) Working on pump or switch while plugged in.

   (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal.

   (e) Running the pump continuously.

   (f) Pumping chemicals or corrosive liquids.

   (g) Pumping gasoline or other flammable liquids
8. Plastic PVC pipe can be installed in the outlet piping. Drain hose, galvanized steel or copper pipe may be used if desired. All piping must be clean and free of all foreign matter to prevent clogging.
9. Pump will be inadequate if suspension liquids contain solid particles larger than 3/16" for EPP or 3/8" for EPC.

ELECTRICAL WIRE CONNECTION

⚠WARNING Verify that the voltage and frequency of the pump shown on the nameplate corresponds to those available on the mains. The installer must make sure that the electric system is grounded in accordance with code.

- For outdoor use it is necessary to use cable with a length of at least 8'. The plug and connection should be protected from water splashes. Before using the pump, always inspect it visually (especially power cable and plug)
- Do not use pump if it is damaged
- If the pump is damaged, have it inspected by an authorized service center.
- Make sure that electric connections are protected from flooding. Protect the plug and the power cable from heat or shape edges.

⚠WARNING The power cable must be re placed by qualified personnel only. Grounding: The plug of the power cable has a double grounding contact, so that grounding can be performed by simply inserting the plug.

OVERLOAD PROTECTION

This pump series has a built in thermal protection switch. The pump stops if an overload condition occurs. The motor restarts automatically after it has cooled down.