

T – SERIES[®] ABOVE - GROUND POOL PUMP

OWNERS MANUAL




MADE IN CANADA



U.S. Version



Canadian Version



ATTENTION READ SAFETY INSTRUCTIONS PRIOR TO ASSEMBLY OR OPERATION OF PUMPS

- * To avoid dangerous or fatal electric shock, turn OFF power to motor before working on electrical connections.
- * Connect to a circuit protected by a class “A” ground fault circuit interrupter.
- * GFCI tripping indicates an electrical problem. If GFCI trips and will not reset, have a qualified electrician inspect and repair electrical system.
- * Exactly match supply voltage to nameplate voltage (115 volt single phase). Incorrect voltage can cause fire or damage motor and voids warranty

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Pool Safety

Your swimming pool will no doubt be a source of fun, exercise and relaxation for you and your family. To further enjoy your pool the following is a list of Safety Tips to remind your family and friends.

1. Install a safety enclosure around your pool with a self-closing, self-locking gate.
2. Do not leave children unattended. Supervise children at all times when they are in or around the pool enclosure.
3. Rescue equipment such as life rings, life hooks and first aid kit are recommended.
4. Learn CPR procedures, it can save lives.
5. Teach children to swim, it will be a life long benefit.
6. Never swim alone, even good swimmers need help occasionally.
7. Do not swim in poor lighting conditions or if the pool is too cloudy to see the bottom.
8. Store chemicals safely and keep secured.
9. Keep electrical equipment and moving equipment away from children.

Electrical Safety

1. Turn off all electrical equipment before servicing pool equipment.
2. Have your electrical system checked by a professional to insure compliance with all electrical codes.
3. Do not swim if there is a possibility of lightning.
4. Do not allow electrical appliances such as radios or lamps within 10' of the pool.
5. Do not install electrical switches in a location that requires you to reach over pool equipment.
6. If you feel a tingling sensation in or near the pool, shut off the power to the pool equipment and call a professional to check out your system.
7. It is recommended all pool pumps should be connected to a Ground Fault Circuit Interrupter.
8. All electrical equipment should be properly grounded.

Maintenance & Service Safety

1. Maintain all pool equipment in good working order.
2. Check your equipment for air leaks by examining the return water for excessive air bubbles.
3. Always stand clear of the filter when starting up as the tanks expand under pressure.
4. Position pressure gauges and valves in a location where they can be easily visible.
5. If you have any concerns about your pool, equipment or systems contact your pool professional dealer or the original equipment manufacturer.

Safety Instructions

1. Do not connect pumps to a high-pressure system or city water supply.
2. Have a trained professional perform all pressure tests.
3. Since pumps and associated equipment are pressurized insure all air is out of system prior to testing.
4. Do not allow children to use the products unless supervised at all times.
5. To prevent flooding, all systems installed below water level require isolating valves.
6. To guard against entrapment use only non-entrapment fittings or double suction.
7. Always disconnect power supply prior to making any electrical connections or servicing of pump.
8. Pump must be permanently connected to circuit, no other lights or appliances should be on the same circuit.
9. Pump motor must be permanently grounded electrically.

!!!! Use this pump only as described in this manual. Any other use not recommended by the manufacturer may cause electric shock, damage to property, or injury.

Pump Priming and Start-Up

1. Remove pump strainer lid and fill strainer with water and replace lid.
2. Open all suction and discharge valves and air bleed (if standard with filter).
3. Start pump and unit should prime within 2-3 minutes(dependant upon distance pump is from pool and suction lift). Repeat priming procedure and if priming does not occur, refer to trouble shooting section.
4. The strainer basket should be periodically removed and cleaned of any debris collected. Do not operate pump without basket in place.

Installation Tips

1. Mount pump on a solid and level base to avoid vibration and piping stress.
2. Install pump as close to water level as possible as excessive lift conditions (should not exceed 5') increases priming time and increases friction loss.
3. Pump should be located as close to pool as practical.
4. If installed indoors or in a mechanical room, be sure to allow for proper drainage to prevent risk of flooding.
5. Pump should be protected from excessive heat, moisture and dust to insure longer motor life.
6. Pump motors require adequate ventilation for cooling purposes, avoid any secondary enclosures.
7. Piping sizes should be equal to the diameter of pump openings or greater, dependent upon distance from pool to pump.
8. Allow sufficient access for servicing pump and associated plumbing.
9. Insure that the electrical supply agrees with the motor voltage, phase and that the wire size is adequate for the horsepower rating and distance from the power source.
Electrical circuits must be protected in accordance with local electrical codes.
10. Never operate pump without water as water acts as a coolant and lubricant for the mechanical shaft seal.
11. To avoid air lock, slope piping slightly upward to pump suction.
12. Avoid any strain on pump. Support both influent and effluent piping and guard against piping misalignment.

Trouble Shooting

Pump will not prime.

1. No water in strainer.
2. Strainer pot lid is not tight.
3. Strainer lid "O" ring is damaged or not positioned correctly.
4. Water level below wall skimmer opening.
5. Strainer basket clogged.
6. Valve not open in system.
7. Air leak in suction piping.

Low flow, high filter pressure reading.

1. Filter is dirty, requires backwash.
2. Restricted return line.

Low flow, low filter pressure.

1. Pump strainer or skimmer basket clogged.
2. Pump impeller clogged.
3. Suction air leak.
4. Obstruction in suction line.

Motor does not turn.

1. Motor switch off.
2. Circuit breaker tripped.
3. Motor terminals incorrect.
4. Motor bearing problem.
5. Impeller "jammed" with debris.

Motor over heats and cuts out motor.

1. Electrical supply connections incorrect.
2. Pump motor wiring undersized.
3. Low voltage condition.
4. Poor motor ventilation.



