QUICK START GUIDE

Read all pump labels and ensure power supply meets the requirements and labeled specifications.

Not intended for hazardous areas with flammable gases or combustible materials.

Follow local and national laws and regulations including applicable electrical codes during installation and operation.

Always disconnect the pump from power source before servicing, including all connected equipment.

Rotating Parts. Lockout motor before servicing.

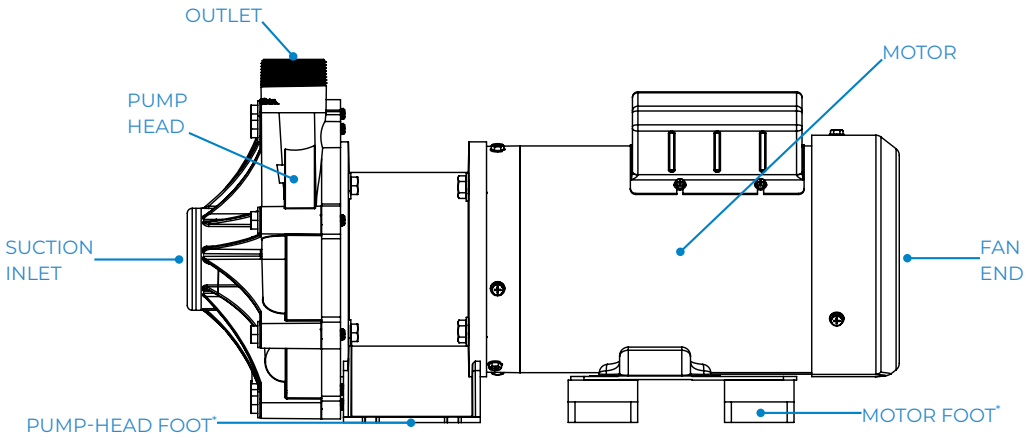
Motor is designed to run at temperatures up to 240 °F (115 °C) external. Do not touch during operation.

The pump is NOT submersible. Do NOT submerse the pump or operate in standing water.

IMPORTANT NOTICE

Before installing or operating the SeaStrong Silver Bullet RDP pump, please **READ THE FULL SET OF DETAILED INSTRUCTIONS** found in our **Installation and Operation Manual.** The manual may be accessed by scanning the QR code or visiting our website: www.electrosea.com/support/

Failure to read adhere to the provided instructions and warnings may lead to potential injuries to yourself and others, damage to the product, or harm to surrounding property.



**Pump-head foot and motor foot not included on all models*

MOUNTING

The pump head and motor feet must be securely fastened to a solid foundation. The pump is intended for horizontal mounting with the feet on the bottom. If other mounting is required, contact ElectroSea.

BELOW WATERLINE

The pump must be installed below the waterline. Seawater must freely flow into the pump head.

MOTOR FOOT SPACER

If the pump has a pump-head foot, a motor-foot spacer(s) (included) must be used to securely support the motor. Both the motor foot/feet and the pump-head foot must be securely fastened to a solid foundation.

MOUNTING HARDWARE

Mounting hardware is not included. The bolts used to secure the pump to the packaging should not be used for mounting the pump.

VENTILATION

Location must allow for air flow around the pump for cooling.

PLUMBING

Follow all national and local plumbing standards and codes for marine vessel plumbing. Ensure seacocks are closed before removing, changing, or fixing any plumbing. Plumbing should be performed by a qualified technician.

Failure to close all seacock valves can result in sinking the vessel and severe injury.

UNRESTRICTED SUCTION

It is important to provide unrestricted flow to the pump on the suction side.

- Strainers and pipe/hose diameter should be the same size or larger than the input size of the pump.
- Avoid right-angle fittings when possible. Suction line plumbing should be as straight as possible.
- Keep bends, valves, strainers, and other fittings at least ten (10) pipe diameters away from the suction input.
- Suction line distance from the thru-hull to the pump should be as short as possible.

PLUMBING CONT.

SUPPORT WEIGHT OF PLUMBING

Input and output plumbing should be supported near the pump head to eliminate stress on the pump.

FLOODED SUCTION

The pump head must be below the waterline. Final plumbing must fill the pump head with water via gravity. The suction line should not have any high spots to avoid air pockets. The suction hose/piping should be as level as possible or angle slightly upwards toward the pump.

NPT THREADED CONNECTIONS

DO NOT overtighten fittings into the pump head. Connections should be hand-tightened as much as possible and then tightened about one-half to one-full turn with a wrench. Extreme care should be taken if using metal fittings as they can be overtightened and crack the pump head.

⚠ **Do NOT overtighten fittings connected to the pump.**

⚠ **Do NOT use PTFE-based tape or sealants as they lead to overtightening. Use a non-PTFE plastics compatible thread sealant such as Spears Blue 75 thread sealant.**

⚠ **Metal fittings can damage the pump head; care must be taken if threading metal fittings into the pump.**

ELECTRICAL

Follow all national and local electrical standards and codes for marine vessel electrical wiring.

To ensure the safety of the installer and the vessel, it is important to disconnect power from all systems and supply lines before working on electrical connections. Electrical work should be performed by a qualified technician.

- The motor must be connected to a circuit-protection device, such as a fuse or circuit breaker of appropriate size per applicable codes. Three-phase motors must have all three phases protected.
- Refer to the labeling on the motor for proper electrical information for AC supply.
- Verify the supply circuit matches the label voltage, phase, and frequency. **Do NOT** install the pump if there are any differences.
- Connect AC lines per the label found inside the electrical junction box or on the side of the motor.
- Use appropriate electrical box connections to ensure the electrical junction box is watertight.

⚠ **Always disconnect the pump and all connected equipment from the power source before working on electrical connections.**

OPERATION

Check all connections. This pump is not self-priming and must be filled with water before starting.

PRIME THE PUMP

Open all valves and ensure the pump and strainer fill with water on their own. Do not run the pump if it is not completely filled with water. If air is caught in the top of the strainer, bleed it out before continuing. If air is trapped inside the pump head, it may become airlocked. Bleed air from the head by slowly releasing air on the output with the water supply open. Secure all connections.

⚠ **Never start or run the pump dry. Always prime the pump before starting.**

CHECK ROTATION

Three-phase pumps must be checked for correct rotation. Incorrect rotation of the pump impeller will pump water but at greatly reduced flow and pressure. Single-phase pumps are prewired at the factory for the correct rotation.

To verify correct rotation on three-phase pumps:

- Check the plumbing and electrical connections.
- Open all supply and discharge valves, ensuring seawater flows into the pump head freely.
- Run the pump for a couple of seconds while observing the motor fan. When looking at the pump from the fan end, the fan should rotate clockwise, the same way shown on the arrow in the pump head.

If the rotation is incorrect, interchange any two (2) of the three (3) AC lines with each other to change the rotation. Only swap two (2) lines, one (1) line must stay unchanged. Retest rotation.

SERVICE

Pumps should be kept clean and monitored to ensure proper operation. Do not operate the pump if there are leaks or damage to the pump.

- Clean the pump with a damp rag. The pump is washdown rated and can be sprayed with low-pressure fresh water if needed.
- Remove the pump and inspect after six months of service for signs of wear or issues.
- Contact ElectroSea for service or spare parts.

SEASONAL

If storing in a cold climate, drain all water from the pump to prevent damage from freezing.

⚠ **Do NOT spray with high-pressure liquids.**

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