

Smart ATO Lifter SATO-272D



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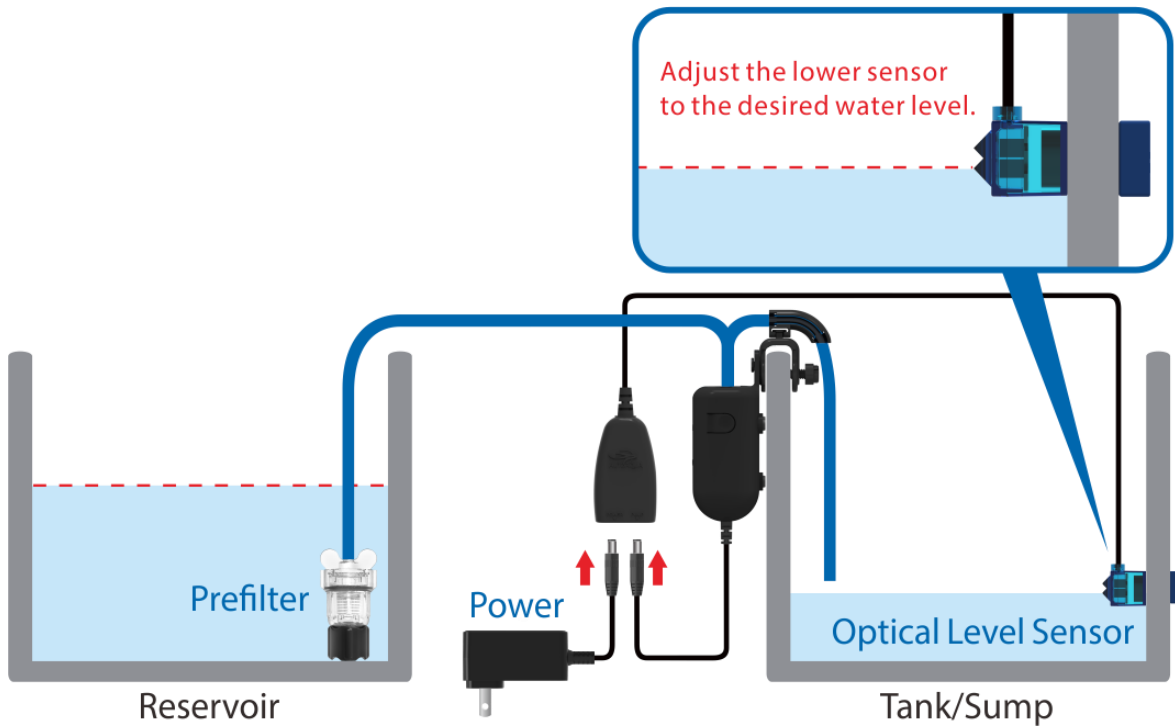
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➤ Where should I place the sensor?

Place the sensor to the water level you desired.

***Please note: Set the sensors away from direct infrared light or sun light to avoid malfunctions.**



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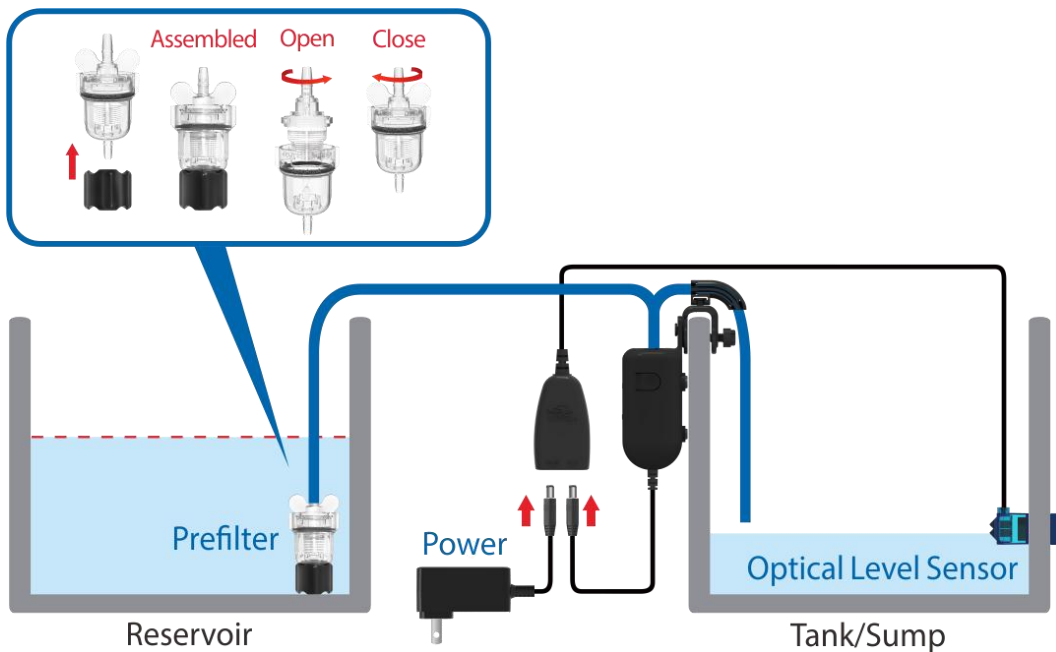
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➤ How to install the prefilter properly?

Please install the prefilter before the diaphragm pump to protect it from clogged and damaged.

***Please note: Clean the prefilter every 3 to 6 months for the best filtration performance.**



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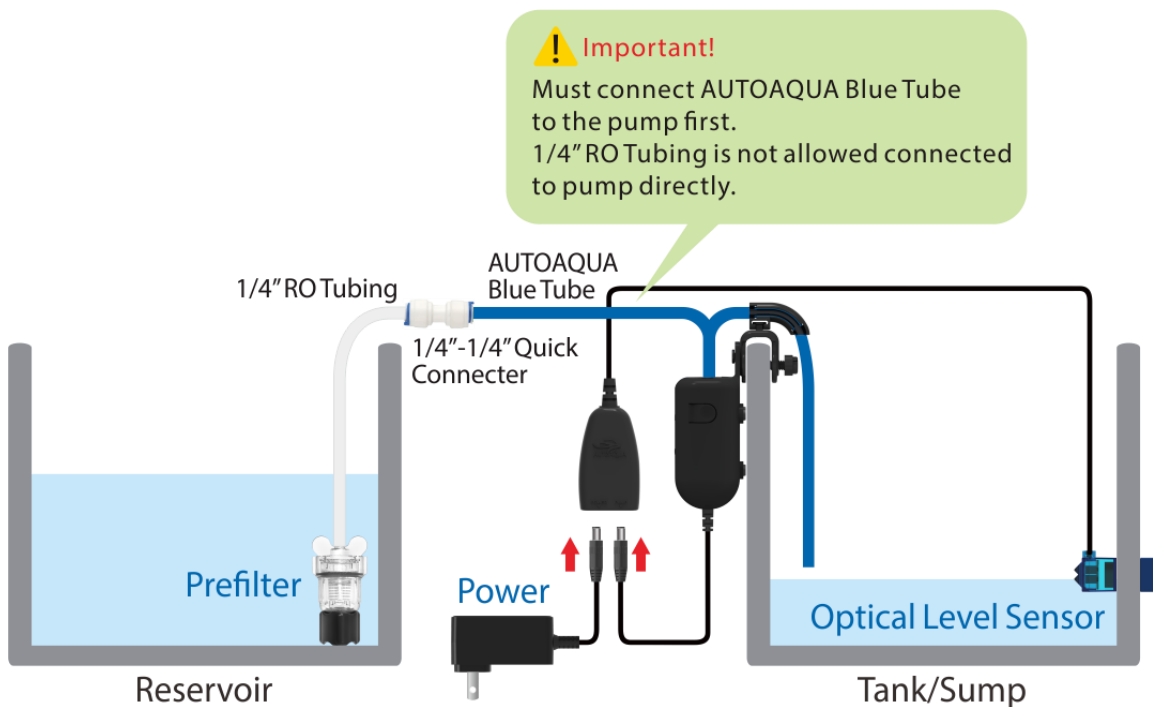
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➤ Is Smart ATO Lifter compatible with 1/4" RO Tubing?

If you would like to use 1/4" RO tubing, please note that use AUTOAQUA tubing to connect the pump first*, then using 1/4"-1/4" Quick Connector to link AUTOAQUA tubing and 1/4" RO tubing. Please check the diagram below.

***Directly connecting 1/4" RO tubing to the pump may cause damage to the pump.**



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➤ What is the Anti-Siphon Pressure Height?

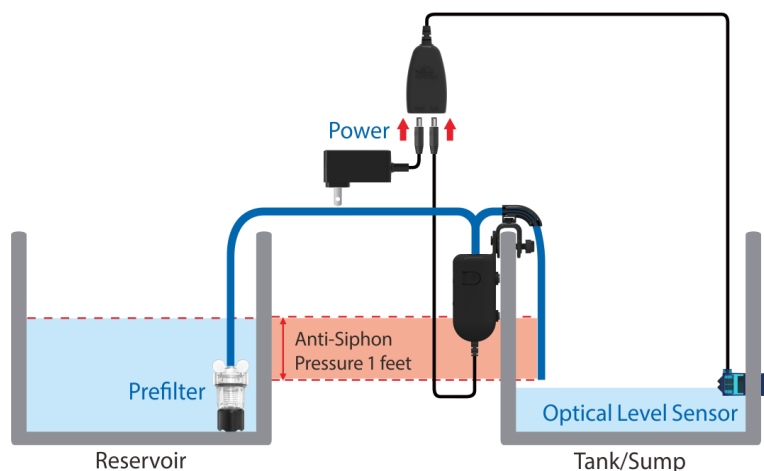
As Diaphragm pump stops, if the water level in the reservoir is much higher than the end of the outlet tube, this may cause forward siphoning.

To avoid this, the vertical distance between the outlet tube and the water level in the reservoir must be less than 1 foot (30 cm). Additionally, **the outlet tube must ALWAYS remain above the water surface.**

If you desired higher anti-siphon pressure, you can purchase AUTOAQUA Anti-Siphon Valve additionally. One anti-siphon valve can stop around 2 feet (60 cm) anti-siphon pressure.



***Please connects 2 pcs Anti-Siphon Valve in maximum on a water tube for proper water flow performance.**



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➤ What are the benefits of using AQUA Lifter Pump?

- Add water in a smooth, steady flow to reach the desired water level accurately.
- Reduce the pressure on aquarium ecosystem.
- No wire in the tank for tidy aquarium.



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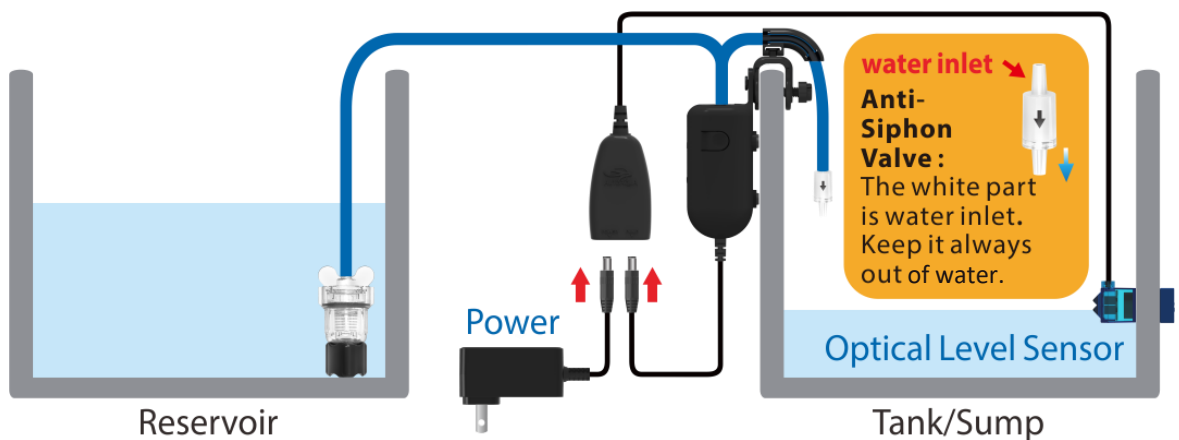


➤ Why does the water keep dripping after pump has stopped?

Water is siphoning from the reservoir into the tank (or sump). Please lower the water level in the corresponding reservoir, or raise the outlet tube.

If neither is an option, you can purchase AUTOAQUA Anti-Siphon Valve(s) additionally and connect it to the outlet tube(s). One anti-siphon valve can stop around 2 feet (60 cm) antisiphon pressure.

***One water tube connects 2 pcs Anti-Siphon Valve in maximum for proper water flow performance.**



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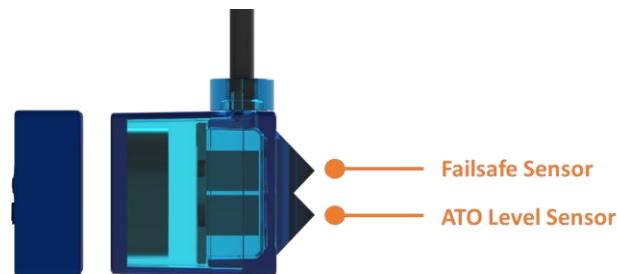
➤ Does Smart ATO Lifter have a failsafe mechanism?

Yes.

Smart ATO Lifter is equipped with **a failsafe sensor** and **Quick Security Technology (QST)** to ensure continuous and safe operation.

- The failsafe sensor: It serves as the main sensor to keep the Smart ATO Lifter working properly.
- QST: It will memorize the first refilling time. When a refilling time exceeds six times the duration of the initial refill*, the system will shut down, preventing water overfilling and the pump running dry.

***No security time control for the first refilling.**



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➤ What can QST do for you?

With AUTOAQUA QST function, it can detect scenarios below without extra setting.

- **Empty Reservoir**

If the reservoir contains little or no water in the reservoir, the QST will be triggered, causing the system to shut down and stop the pump.

- **Pump Failure**

When the pump fails and water replenishment stops, the QST will be triggered, as ATO lasts six times longer than the initial time.

- **Sensor Failure**

If both main and fail-safe sensors fail, the QST will activate to stop the refilling process.

- **Other Device Failure**

If the 3 scenarios above are not the cause, your aquarium equipment (e.g., return pump, skimmer, etc.) might be in an unstable condition.

Please check the other equipment in your aquarium system.

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