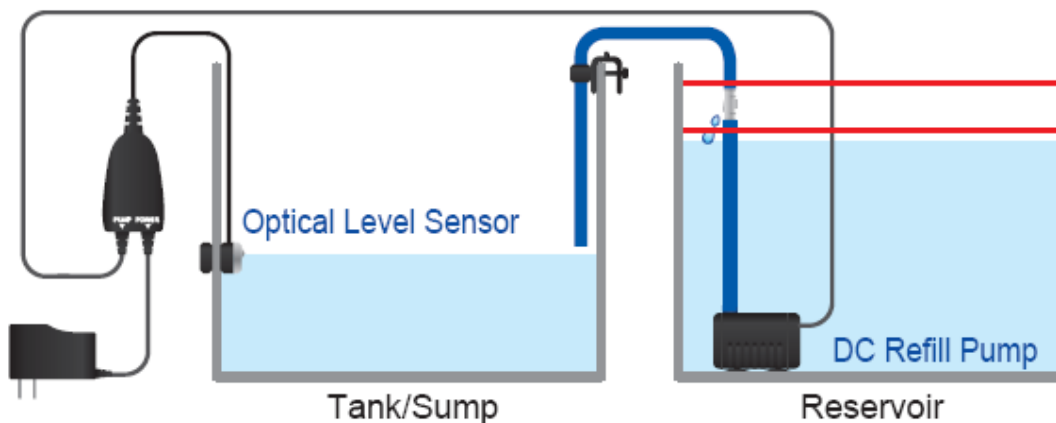


Smart ATO micro FAQ

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1. How to set up the siphon break properly?

First, the siphon break must be inside of the reservoir and a little higher than the water level so the drops can go back to the reservoir. The siphon break should be placed in the area between the two red lines as shown below.



Second, the siphon break must be set upwards as the arrow icon suggested.



2. Are drops of water from the siphon break a normal phenomenon when the pump's on?

Yes. Siphon breaks can prevent the siphon from happening. They have a small hole which allows air in to cut the water flow when the pump turns off. Also, water drops out of the hole of the siphon break which is properly installed are normal when the pump's on.

3. What will happen if the siphon break is not set up properly?

First, when the siphon break is set outside of the reservoir, e.g. between the tank/sump and the reservoir or inside of the tank/sump, the water drops from the hole of siphon break cannot flow back to the reservoir and the siphon break cannot break water flow.

Second, when the siphon break is set in the wrong direction (the arrow on the siphon indicates the water flow direction), it also cannot work to break water flow. Consequently, the tank/sump will be overfilled and more water will come out

from the hole of siphon break.

4. Why is the head height not high enough?

One of the possibilities is that the water inlet of the pump is too close to the inside of the reservoir (Diagram 1). It is recommended to keep the pump away from the inside of the reservoir with a distance of at least 2 inches. The other one is that the pump should stay upright, otherwise less water can go into the pump and that makes the water pressure decrease.

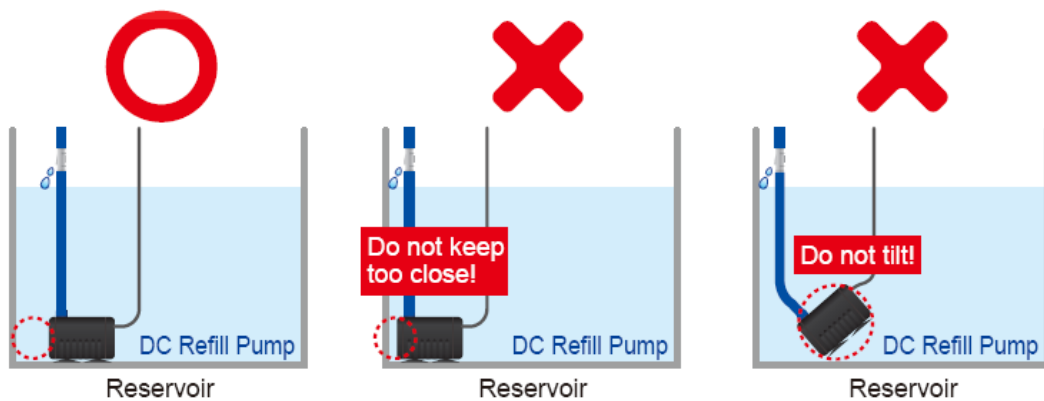


Diagram 1

5. Is there an alert when the reservoir is empty?

Yes. Quick Security Technology (OST) can predict the situation that the reservoir is empty because when the reservoir is empty, no water is refilled in the tank/sump and the refilling time will be over three times longer than the first refilling time. Consequently, it will trigger an alert.

6. Can Smart ATO micro still work if the glass is not transparent?

Yes. Since the water level sensor of Smart ATO micro is inside of the tank/sump, the surface will not be a factor that influences the sensing of water level.

7. How does the redundancy work for the Smart ATO micro?

Quick Security Technology (QST) is a security mechanism designed for preventing failure situations of Smart ATO micro such as overfilling. The controller will remember the first refilling time*. When it senses any other refilling time is over three times longer than the first refilling time, it will stop refilling and give an audible and visual alert. For example, if the first refilling time is 10 sec, it will alert when any other refilling time is over 30 sec.

***Note: No security time control for the first refilling**

8. Why is the water level always a little higher than the sensor? Is the sensor broken?

There are several possibilities.

- 1) The siphon break is not installed properly.
- 2) The water inlet and the sensor are not in the same reservoir.
- 3) The tubing is long, so the water in the tubing still fills into the tank after the pump stops.
- 4) The sensor is mounted in a small sump/tank. It will stop the pump one seconds after it detects water, but the one-second filling is more obvious in a small sump/tank than that in a big one.

You can follow the steps below to test if the sensor works properly.

- i. Cut off the power and mount the sensor above the water line.
- ii. Move the outlet of the tubing to an empty container.
- iii. Connecting the power, waiting for the pump works.
- iv. Put the sensor in the water to see if the pump stops.

If the pump stops, it means the sensor works properly. If it does not, please fill in the contact us form. We will contact you as soon as possible.

9. Why does the red LED flash with audible alert? I have checked the water reservoir and the bubble but there is no problem.

The QST memory is not set correctly. Please unplug the power cable, then mount the sensor at the normal water level before connecting the power and do not move it afterwards. If you want to move the sensor or change the water level, you have to repeat the above steps.

10. How to use other pumps with Smart ATO micro?

You can use a pump which meets your requirement with our Smart AC Socket:

<http://autoaqua.com.tw/en/accessories/SAC-10.html>.

Just connect Smart AC socket with the controller, then plug the pump's power adapter in it.

11. How to extend the cable length of the pump/solenoid valve/power supply?

You can use the extension cable. We have 6.7 ft (200 cm) and 16.7 ft (500 cm) available.

Extension cable of pump/ solenoid valve

6.7 ft (200 cm): <http://autoaqua.com.tw/en/accessories/DC-252.html>

16.7 ft (500 cm): <http://autoaqua.com.tw/en/accessories/DC-255.html>

Extension cable of power supply

6.7 ft (200 cm): <http://autoaqua.com.tw/en/accessories/DC-212.html>

16.7 ft (500 cm): <http://autoaqua.com.tw/en/accessories/DC-215.html>

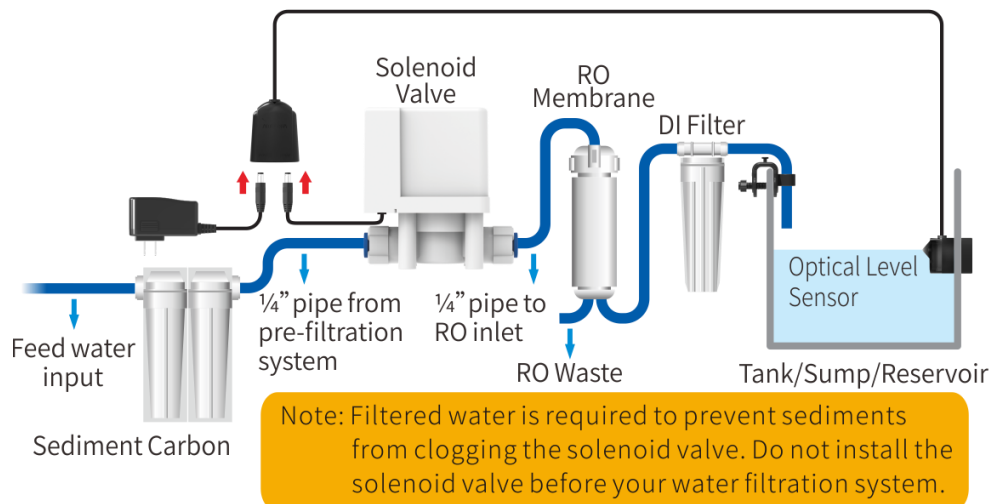
12. Can I use the solenoid valve with Smart ATO micro? How to install it?

Yes. The solenoid valve can be in ATO pump's place. It is recommended using with filtered water instead of tap water, or it will be clogged. Please refer to the installation diagram below.

a. RO/DI System without Auto Shut Off

Cut the tubing between the carbon block filter and the RO membrane. Install the solenoid valve.

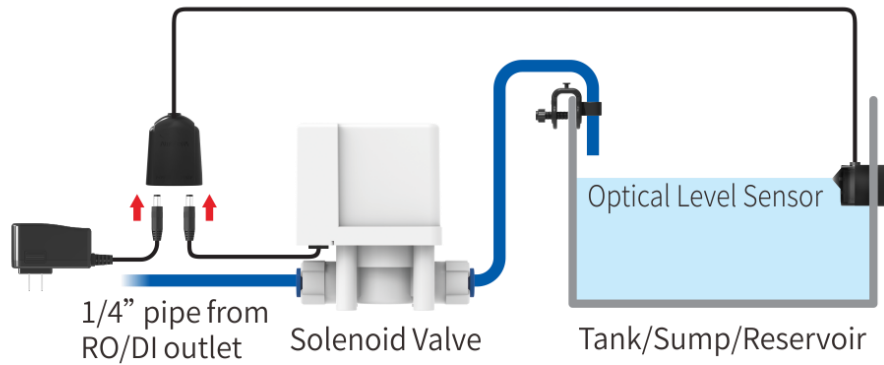
*Arrow on solenoid valve indicated water flow direction.



b. RO/DI System with Auto Shut Off

Connect the solenoid valve at the RO/DI output.

*Arrow on solenoid valve indicates water flow direction.



13. How to purchase accessories?

Please contact our local distributors:

<http://autoaqua.com.tw/en/distributors.html>.