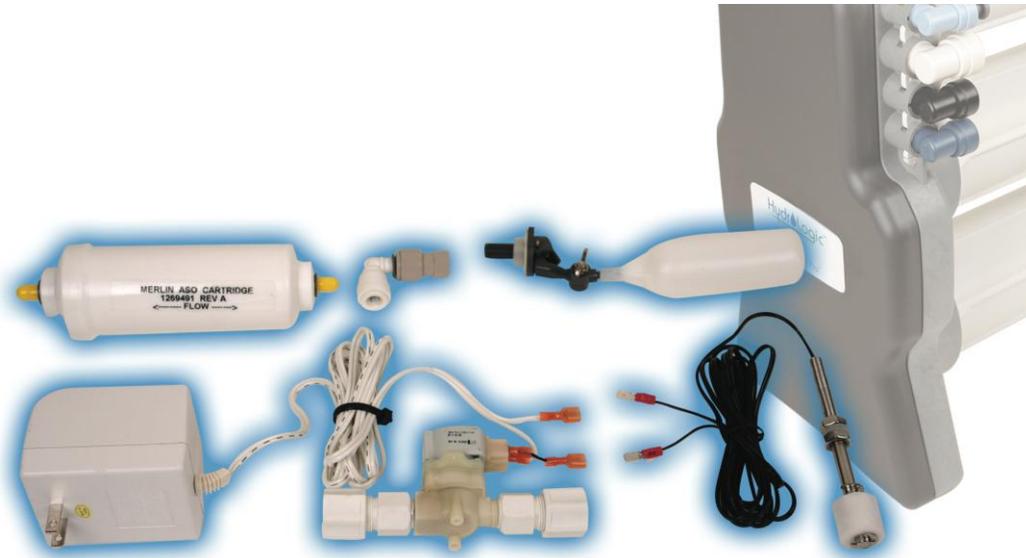


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# Electronic Shut-Off Kit

For use with **Stealth-RO100/200™**



***The above picture shows kit for Merlin-Garden Pro. The Stealth kit does not include ASO valve and has 3/8" fittings on solenoid and 1/4" fittings for float valve.***

The **Electronic Shut-off** can be installed in a variety of tanks and reservoirs.

The following instructions are for a standard hydroponics reservoir and a vertical water tank. Following the basic setup guide the kit can be used with your vessel of choice.

# Standard Reservoir Setup

The first step is to drill two holes somewhere in the lid of your reservoir, preferably away from the area that bubbles and has more turbulence. The first hole, 5/16", is to mount the electronic float switch. The second hole, 15/32", is to mount the mechanical float valve.

The electronic float switch has two nuts and two rubber gasket that you mount the lid in between. Unthread the first nut and gasket and maneuver it over the male connector tabs at the end of the cable. The mechanical float valve acts as a backup in case loss of power or failure of any of the other components. It also serves as an entry way for the water from the Stealth-RO into the reservoir.

**A.**



**B.**



**Picture A** shows a Merlin-Garden Pro and not a Stealth-RO which this kit is intended for.

Note how the electronic float switch and mechanical float valve are mounted in the lid of the reservoir.

**Picture B** is a side shot of the electronic float valve and mechanical float switch mounted under the lid. **You are looking at the edge of the reservoir.**

Note that when installing the electronic float switch you must leave about an inch of thread above the reservoir lid (refer to picture A). This is important because you need to set the trip level of the electronic float switch lower than the trip level of the mechanical float valve. The mechanical float valve is only a backup in case the electronic float switch or some other component fails. The mechanical float switch can be mounted horizontally or vertically as long as its trip level is above that of the electronic float switch. These instructions show a vertical mount type. Test the full movement of the mechanical float valve by blowing through the threaded end. Make sure you get full flow and closure when you move the float up. Use plumbers tape on the threads and hand thread the quick connect elbow fitting on (refer to picture B).

# Vertical Water Tank Setup



**Above picture** shows a Merlin-Garden Pro and not a Stealth-RO which this kit is intended for.

First you must drill two holes in the lid of the tank. The first hole, 5/16", is to mount the electronic float switch. The second hole, 15/32", is to mount the mechanical float valve. Mount the electronic float switch so none of the threads on top of the lid show (refer to picture **C**). You want to mount it as low as possible. The mechanical float valve should be mounted and centered according to picture **D**.



**C** – Top of tank lids

**(no ASO cartridge for Stealth-RO kit)**



**D** – Bottom of tank lid

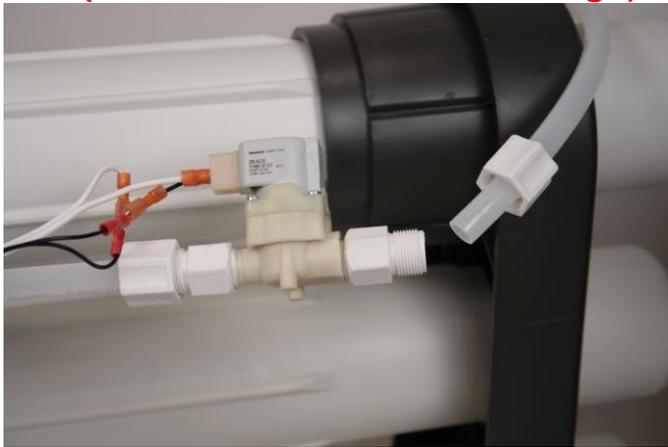
Blow through the threaded end of the mechanical float valve and go through the range of motion to make sure it's not being obstructed from either full flow or full shut-off. Make the necessary adjustments until the mechanical float valve works properly.

## Install the Solenoid Valve onto Feed Line of Stealth-RO™

Pick a spot anywhere and cut the 3/8" feed line of the Stealth-RO™. Make sure the cut is clean and square and the tubing is not crushed. Push both ends of the 3/8" tubing in to the quick connect fittings of the solenoid valve. Look for arrow on the bottom of the solenoid valve and make sure it's in the correct direction for the flow of water.

(see pictures A, E, F)

### E. (Stealth-RO kit has 3/8" fittings)



### F.



The last step is connecting the two male tabs at the end of the electronic float switch's cable to the two female connectors (see pictures E & F). One female connector comes from the transformer and the other is from the solenoid valve (see picture A). Once the system is connected you can plug in the transformer to standard 120v power. The water can be turned on to the Stealth-RO and the reservoir or tank will start filling. Any time you pull water out of the reservoir or tank the electronic float switch will drop and the Solenoid Valve will open. With the valve open, the Stealth-RO™ starts producing water until the water level trips the electronic float switch, turning off the Stealth-RO's™ feed water and therefore the RO and drain lines.

### NOTE:

If using the **Electronic Shut-off Kit** with the optional Stealth-RO™ booster pump, you must install the kit downstream of the pump and before the Stealth-RO™.

### Setup goes as follows:

Feed water line goes into booster pump first, then the electronic shut-off kit, then the Stealth-RO™.

Contact your dealer for assistance or call technical support at:

**888-H2O-LOGIC / (888-426-5644)**

**Warranty:** Limited One Year on All Components.