

Hydroponics Systems

Purpose

Assembly instructions for the Hydroponics systems.

Prerequisites

- Box cutter

Unboxing

1. Cut box open with box cutter.
2. If unboxing Lab or Producer:
 - a. Use a two-person lift to move the unit out of the box.
 - b. Use the wheels of the unit for movement once it is removed from the packaging.
 - c. Remove the plastic protective film.
 - d. Make sure the hydroponics system is on a level surface.

Assembling hydroponics

Plant Mini

1. Unwrap the unit from the packaging and set out the base, post, top, and power cord. Remove the tape from the pump.



2. Set the top with the lights facing up and slide the post into the notch until it clicks into place.
3. Turn the post and top over and slide the post into the base of the unit so that it clicks into place.



4. Turn the knob on the post to the left to loosen it, extend the post, and turn the knob to the right to tighten it in the desired position.
5. Press the pump cord into the notch on the base, then plug it into the top. Plug the power cable into the top, then plug the other end into an electrical wall outlet when ready to use.



Plant Lab

1. Assemble the power cord by plugging the cord into the power brick.
2. Plug the other end into the system. The outlet is located on the back of the unit, near the power switches.
3. Use the suction cups on the back of the pump to secure it to the inset in the bottom of the tray.
4. Plug the pump power cord into the corresponding power cable on the shelf.



Plant Producer

1. Assemble the power cord by plugging the cord into the power brick.



2. Plug the other end into the system. The outlet is located on the back of the unit, below the bottom shelf.



3. Make sure the pump is in the fully-open position as shown



4. Use the suction cups on the back of the pump to secure it to the bottom of the tray.



Water

1. Fill each of the tanks to the appropriate capacity.
 - a. Plant Lab System: fill each of the three tanks with 2 gallons of water
 - b. Plant Producer System: fill the tank with 7 gallons of water
 - c. Plant Mini: Fill the tank to the max mark with four liters of water
2. Add the nutrients and let the water circulate for 24 hours. This will allow the water to reach room temperature and will leach any chlorine out of the water.
 - a. Plant Lab System: use teaspoon to fill system with nutrients through the water and nutrient access hole, then place spoon over hole to prevent algae growth
3. Turn the system on.
 - a. Plant Lab System: flip the power switch on the lower left-hand side of the unit
 - b. Plant Producer System: flip the power switch on the upper right-hand side of the unit
 - c. Plant Mini: Press the power button on the top of the unit.
4. Add water regularly to prevent water levels from dropping too low, letting water sit for 24 hours prior to adding to the tank as noted in the above step.
5. Units will beep once every 50 minutes when the water levels drop too low. Except for Mini
 - a. Plant Lab System: beeping begins when the water levels drop to 0.5-1 gallon in the 2-gallon tanks
 - b. Plant Producer System: beeping begins when the water level drops to 2-3 gallons in the 7-gallon tank

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