



Plant Performance Products



## Instructions for VDIY-4 DWC Hydroponic System

(examples of possible system configurations shown above)

### Parts List:



2" Air Stone

x4



x4

5 Gallon Black Bucket

(note - buckets come pre-drilled  
add include water level Indicator)



x4

6" Mesh Bucket Lid



pH Test Kit

x1



Viastone Grow Rocks

x1



Air Pump

x1



x40ft

3/16" Clear Air Tubing



1/2" Check Valve

x4

1. Check to make sure all parts are accounted for. **(SEE PARTS LIST ABOVE)**

2. Configure your bucket placement and air pump. **We recommend the air pump be placed higher or above the 5 gallon buckets to prevent water backflow to pump.** If the air pump is placed higher than the top of the five gallon buckets you will not need to use the check valves. However, if air pump is placed on floor, please use the check valves to prevent water backflow.



3. Make sure the air pump air valve is open. The air pump valve located in the back of the air pump allows you to control the amount of air that flows to the air stone. We recommend keeping the air valve all the way open for maximum air flow.

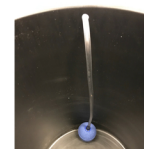
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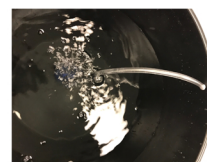
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4. Measure and cut the clear 1/4" inch air tubing to accommodate each bucket placement. Make sure that you account for the air tubing going through the pre-drilled air hole and to the bottom of the bucket.



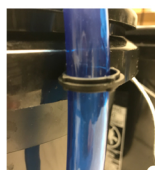
5. Connect air tubing to pump or check valve then through the hole located towards the top of each bucket. Connect the air stones to the tubing and assure connections are tight.



6. Fill each of the buckets with water and then plug the air pump into a wall outlet. Make sure each of the buckets has air being delivered to it. **(\*\* note - if there is no air coming through the air stone\*\*)**

- Make sure check valves are not clogged. If clogged simply blow or use small paper clip to clear path
- Make sure air is coming from pump and all connections are secure

7. Wash grow rocks thoroughly, then fill each of the bucket lids. Place the lids on top of each bucket and snap into place. To replenish water or add nutrients to each bucket, lift mesh bucket lid and move to the side **(as seen in picture on right).**



8. To sample the water or check the pH you can use the water and drain level indicator on the side of each bucket.

**When transplanting seedling make sure that the bottom of the roots are in water. As the roots grow you can allow the water level in each bucket to drop underneath the bottom of the mesh pots. The plants tap root should always be in contact with the water.**