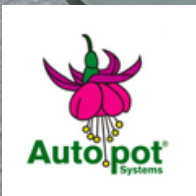


STARTER KIT

# AUTO-POT SINGLE HYDROTRAY



**CITYFARM**<sup>TM</sup>  
FUTURE OF FARMING



# HOW THE AUTO-SYSTEMS WORKS

It is important to understand how an Auto-Pot Single Hydrotray works so that you will know how to look after the equipment better.

1. Starting empty, the Smart-valve opens to allow water to fill the saucer.
2. Once the water level in the saucer reaches 30mm (approx.), the valve closes to stop the flow of water.
3. Water is absorbed into the potting mix from the saucer to the plant by capillary action.
4. As the water is consumed by the plant, a time will come when the saucer will be devoid of water. As soon as that happens, the Smart-valve (which has the ability to detect the absence of water in the saucer) will immediately release another consignment of water into the saucer to its original level. This completes one wet and dry watering cycle which is repeated according to the plants demand.

# CHECK THE CONTENT OF THE STARTER KIT

This kit consists of the following items:-

1. Single Hydrotray x 2 units (with Smart-valve, Smart-valve box and 4mm soft-tubing)
2. 30 liter tank(with pre-drilled hole and rubber grommet) x 1pcs
3. Vegetative Nutrients A/B x 1set
4. Flowering Nutrients A/B x 1set
5. Perlite 10L x 1 units
6. Jiffy Peat Pellet x 10pcs
7. Germination Box x 1 units
8. 16mm Tubing with 4mm Irrigation Joiners and Quick Action Valves



# SETTING UP THE KIT

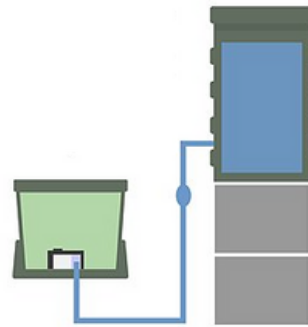
1. Insert one end of the 16mm tubing with quick action valve into the tank with pre-drilled hole and rubber grommet



2. Insert 4mm soft-tubing into 4mm irrigation joiner at the 16mm tube



3. Place tank at a higher position(optional, recommended 30cm high) and adjust the position the Autopots to your liking.

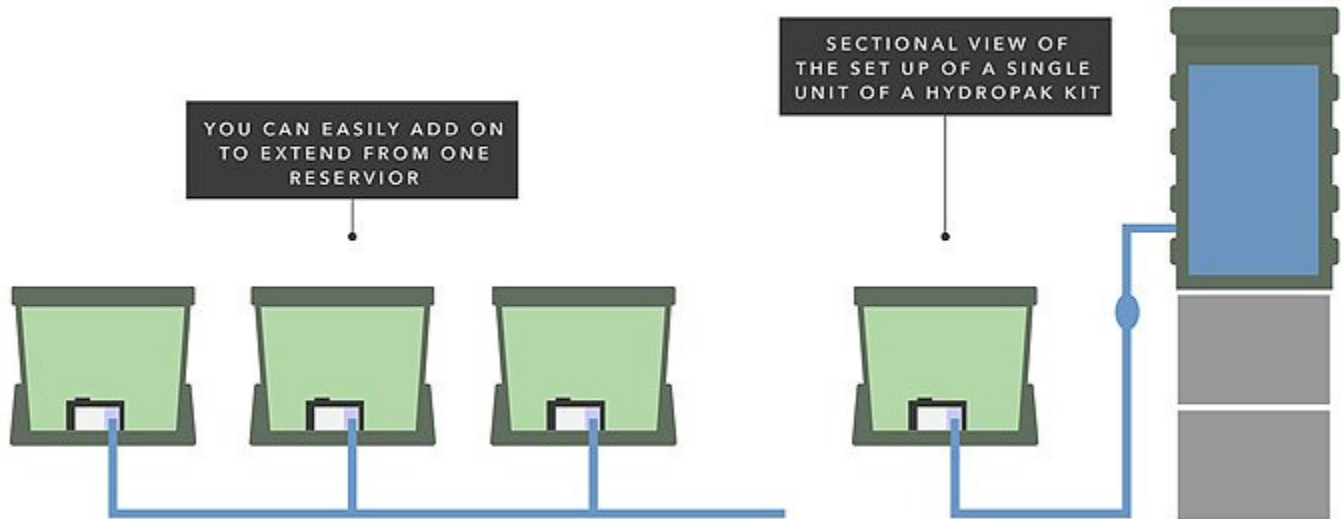


4. Make sure the valve at nearer the tank is fully open and the valve further from the tank is fully closed. Fill-up the tank with water and add A/B nutrients (Refer to nutrients guide)



# EXPANDING YOUR SYSTEM

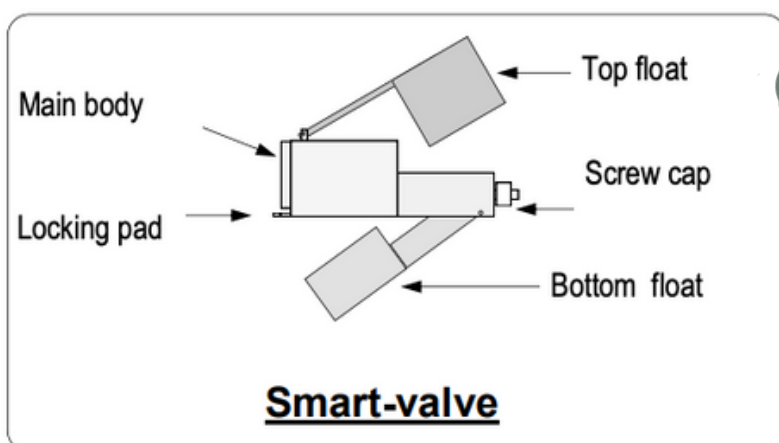
The system can be easily extended to add more growing points by adding additional Autopot Hydrotrays additional unit to the same supply tank via tubing and joiners



# CARING FOR THE SMARTVALVE

This is a new version of the Smart-valve Mk1. It performs an identical function. But it differs completely in its construction. It has been designed to make it easier for the user to clean and service the valve.

The valve is a sensitive mechanical device but with careful and correct usage will give reliable and trouble free results for years. The valve should not be totally submerged in water. Total immersion might cause a failure of the valve to close due to the possibility of water entering the top float.





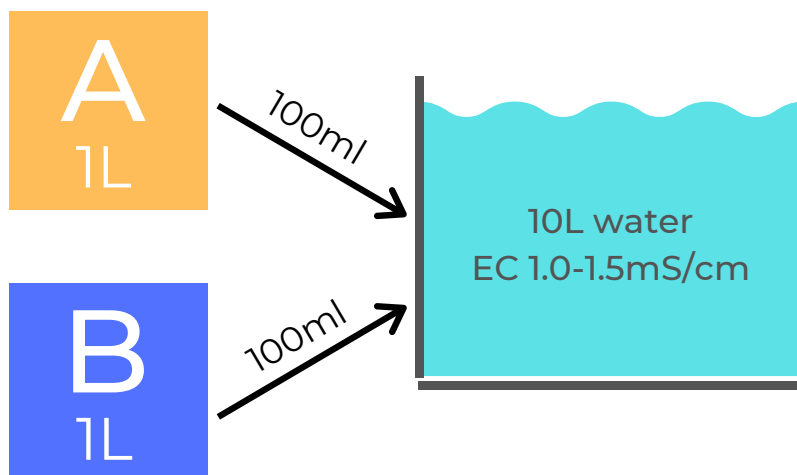
# Vegetative stage nutrients guide

## Hydroponic A & B Liquid Fertilizer

(For leafy crops of flowering/fruiting crop 2 months or below)

### Dilution ratio:

1. Add 100mL of solution A and 100mL of solution B to 10L of water to achieve EC reading of 1.0 - 1.5 mS/cm



# Flowering/Fruiting stage nutrients guide

## Hydroponic A & B Liquid Fertilizer

(For Flowering & Fruiting Crops)

### Dilution ratio:

1. Add 100mL of solution A and 100mL of solution B to 20L of water to achieve EC reading of 1.0 - 1.5 mS/cm
2. Add 100mL of solution A and 100mL of solution B to 10L of water to achieve EC reading of 2.0 - 2.5 mS/cm

