



Hydroponic Dutch Bucket

Introduction of Hydroponics Dutch Bucket

The Hydroponics Dutch Bucket is a kind of hydroponic bucket with automatic water changing system, which is widely applied in all kind of hydroponic planting all over the world. The Hydroponics Dutch Bucket is an efficient drip irrigation system, when the drip irrigation water or nutrient drops to the root of the plant, the original storage liquid in the lower layer of the plant will overflow firstly, The overflow outlet can be connected into a PVC drain pipe in the central. By installing the two elbows, the overflow water is suctioned from the lowest level of the bucket and discharged into the central drainpipe. This will eliminate the stagnant water of the pooling. Through the flow of water or nutrients, water, nutrients and air can be brought to the root of the plant, and the plant can grow rapidly.

This ***Dutch Bucket*** made of food-grade polypropylene are extremely suitable for vine plants such as tomatoes, cucumbers, peppers (capsicum), melon, solanum, and even flowers. You can use any type of growing media, including expanded clay pellets, coconut coir, etc.

The Features of the Hydroponics Dutch Buckets

The Hydroponics Dutch Buckets are designed to be fed by drip emitters and plumbed to drain using a common 1.5" PVC pipe, purchased locally.

Siphon Elbows regulate safety reservoir of nutrient solution at bottom of bucket to 1" deep. This feature prevents growing medium from drying out and causing water stress between irrigation cycles. Siphon pipe also prevents over accumulation of nutrient solution. Two siphon elbows are recommended per each bucket.

Each pot is irrigated individually, allowing you to serve each plant as it needs. You can move one of them any time, and rearrange your setting if required.

Can do Aeroponics planting together with our Aeroponics Planting System.

They can be expandable by more pots up to your needs.

Any type of growing media can be used in this Dutch Bucket, including expanded clay pellets, perlite, and coconut coir.

Planting for tomatoes, cucumbers, peppers, etc.

Contact us: info@jychinasourcing.com

TEL: +86 21 5033 6151

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1. Automatic Drip Irrigation Planting System



Automatic Drip Irrigation

Planting System, which is composed of storage tank, bearing cover, planting baskets, drip irrigation pipe, DC pump and multi function controller. Supporting six plants, eight plants, fifteen plants planted in baskets and drip irrigation bearing cover, suitable for the cultivation of different types of plants. Matching with different lights and racks, which is suitable for different uses of drip irrigation. The three modes of Drip irrigation can be chosen: adjustable drip irrigation head, drip irrigation and drip irrigation ring.

Use steps:

With the installation manual of the automatic irrigation system, select the drip irrigation and adjust the plant control program according to different types of plants. Choose to install lights for planting indoor, when the temperature is below 21 °C, a temperature heating rod is proposed to use. When the EC value of the nutrient solution is lower than 800, it is suggested that the organic fertilizer can be added to increase the nutrient solution.

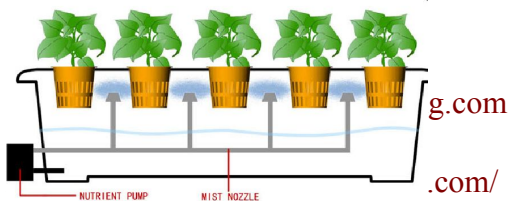


Specification:

| Type | Specification | Function | Packing | | | Remark |
|-------|-----------------------|----------------------------------|----------|----------|-------------|--------------------------------------|
| | | | N.W.(kg) | G.W.(kg) | Measurement | |
| DG06 | 6pcs Drip Irrigation | For Drip Irrigation planting way | 18KG | 19KG | 80X55X30CM | Can choose planting racks and lights |
| DG08 | 8pcs Drip Irrigation | For Drip Irrigation planting way | 21KG | 23KG | 80X55X30CM | Can choose planting racks and lights |
| DG015 | 15pcs Drip Irrigation | For Drip Irrigation planting way | 18KG | 19KG | 80X55X30CM | Can choose planting racks and lights |

2. Automatic Aeroponics Planting System

2.1 Automatic Aerosol Planting System





Characteristic:

The direct current electric spray makes the nutrient solution and the air mixture even, it is very advantageous to the absorption of plant root,

And it is the most suitable for a variety of flowers, fruits, and vegetables cultivation rapid reproduction and growth.

You can use our mulch planting baskets in three sizes, specialized in this development.

While growth to be transplanted, the plant can be directly transferred to other plant equipment very conveniently.

Use steps:

First, cultivating seedling in the Hydroponic Bucket with nutrition lights for two to three weeks.

Then, moving plants to the Automatic Aerosol Planting Machine, and turning on the automatic controller of this planting machine.

To ensure enough water, the machine can make the plants growing automatically.

Specification:

| Type | specification | function | Spare parts |
|------|-------------------------------|---------------------------|---|
| HG06 | 6PCS electric aerosol holes | electric aerosol planting | Automatic controller, planting baskets, planting cotton |
| HG15 | 15PCS electric aerosol holes | electric aerosol planting | Automatic controller, planting baskets, planting cotton |
| HG24 | 24PCS8 electric aerosol holes | electric aerosol planting | Automatic controller, planting baskets, planting cotton |
| HG36 | 36PCS electric aerosol holes | electric aerosol planting | Automatic controller, planting baskets, planting cotton |
| HG72 | 72PCS electric aerosol holes | electric aerosol planting | Automatic controller, planting baskets, planting cotton |

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2.2 Electric Aerosol Rapid Propagation Machine



Characteristic:

The Aerosol Cultivation model can create the best root growing environment for the rapid propagation of plants.

Aerosol Cultivation can meet the requirements of plants to water, fertilizer, gas, temperature and light.

Aeroponic plants grow rapidly. Aerosol cultivation can realize plant to grow rapidly within a short period. Usually the plant growth with aerosol cultivation is three to five times faster than with substrate culture, and one and half to three times faster than water culture, some plants growth can be more times faster, the growth rate can not be reached by any other cultivation methods, which shorten the growth period of multiple cropping cultivation or do huge cultivation. It has great significance for agricultural production,

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And it is efficiency and good quality for plant rapid propagation, to add extraneous roots additives.

Use steps:

with the instruction manual, install the electric aerosol propagation machine, choose a good plant branch, put the branch into the cross of opening position of the planting cotton, and planting to the corresponding pots with our special 1.5 inch planting baskets.

Add a good nutrient solution and install a constant temperature heating rod, you can start the automatic plant controller, in the premise of adequate nutrient solution, the machine can automatically work.

Specification:

| Type | Specification | Function | Packing | | | Remark |
|-------|-----------------------------|------------------|---------|------|-------------|--|
| | | | N.W. | G.W. | Measurement | |
| CL30 | 30PCS Asexual reproduction | Electric aerosol | 15KG | 18KG | 60*42*42cm | intelligent controller, planting basket, planting cotton |
| CL60 | 60PCS Asexual reproduction | Electric aerosol | 20Kg | 24KG | 86*53*42cm | intelligent controller, planting basket, planting cotton |
| CL120 | 120PCS Asexual reproduction | Electric aerosol | 25KG | 30KG | 115*64*42cm | intelligent controller, planting basket, planting cotton |



3. Planting Baskets



Use steps:

1.5 inch and 2.5 inch planting baskets, specially designed with buckles, convenient as assembly and disassembly.

after the buckles mounting, and seedling planting with the use of two-component nutritional clod, or organic slow-release fertilizer nutrient soil in planting bag, and can also be used together with planting cotton in aerosol planting machine.

Planting cotton with two sizes of 1.5 inches and 2.5 inches, to wash the roots of the plant, put the branch into the cross gap, and planting in the basket.

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4 inch baskets are usually for planting seedling with two-component nutrition block.

Characteristic of Planting Baskets:

Food grade plastic, professional processing made, non-toxic and tasteless.

Size distribution is reasonable, suitable for planting different plants. 1.5 inch and 2.5 inch basket can be open and removable, when transplanting, it can protect the root.

Specially design to help the absorption of nutrient fluid and air flow.

Specification:

| Type | specification | function | packing | | | remark |
|------|---------------|--|---------|------|-------------|-----------|
| | | | N.W. | G.W. | Measurement | |
| BS15 | Ø1.5 inch | With buckles, assembly and disassembly | 50G | 60G | 16*15*4CM | 12pcs/bag |
| BS25 | Ø2.5 inch | With buckles, assembly and disassembly | 120G | 140G | 21*18*8CM | 12pcs/bag |
| BS40 | Ø4.0 inch | Special design for water planting | 180G | 210G | 30*11*11CM | 6pcs/bag |