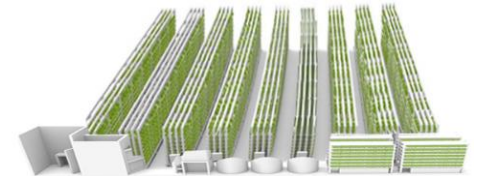


OPCOM®

Living Green & Healthy



OPCOM AI Smart Container

Hydroponic Farming



40ft. Interactive Container

About Container

OPCOM Containers has an advanced collection system for hydroponic growth technology that delivers high throughput and unmanned operation. Intelligent design provides the perfect solution for plant seedlings, planting and final harvesting.

Unmanned clean room factory design prevents external germ contamination. Through the OPCOM cloud control system, the synchronous monitoring system and data storage are realized, that is, the lighting/air conditioning/nutrient solution system control adjustment is automatically performed locally and remotely.

A high-speed growing wave camera that is self-developed and patented to capture every detail of plant growth. Integrating OPCOM's unique long wave, the plant growth rate is increased by 20%.

In the global leading position with patented design, up to 11 advanced intelligent AI (11A) smart containers developed independently. The investment you make will receive the highest return value.

It will provide you with high-quality seedlings, leafy vegetables, strawberry planting containers and hydroponic greenhouses at the most competitive cost.

The OPCOM high-yield container of AI intelligent control system will take you Entering a new generation of high-tech agriculture and achieving great success.

OPCOM[®]

Hydroponic Farming

11A Hydroponics Container



TOFC408L8
Seedling



TOFC4083
Cloner



TOFC4066
Strawberry



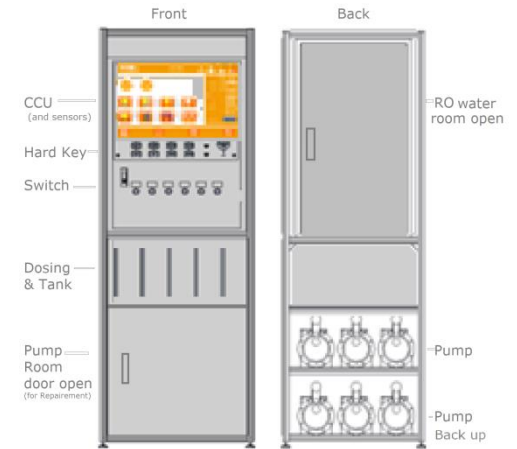
11A Advantage Smart Container

1. **AIO** All-In-One Container
2. **AEC** Auto Environment Control
3. **AHC** Auto LED Height Control
4. **ABC** Auto Brightness Control
5. **ARC** Auto Run Control
6. **ABS** Auto Backup System
7. **ACB** Auto Cloud Backup
8. **ASG** Auto Stimulating Grow
9. **ADA** Auto Device Appended
10. **APF** Auto Protection Function
11. **AHT** All Hydroponics Technique Supported

1. AIO: All-In-One Container

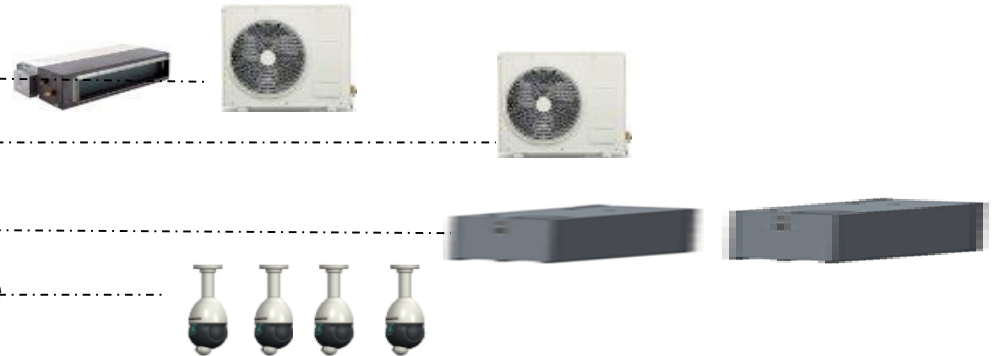
1.1 , All In One OPCOM Master Station with

- Web cloud/ Web local OPCOM smart gateway Cloud control
- RO water generator
- 5 in 1 auto dosing
- EC. pH water sensor , Environment air sensors (Temp., humidity, CO2)
- 3+3 backup pump
- 21" touch screen CCU & remotely cloud upgrade
- Both Wi-Fi (300m inside range) and Lora (1000m outside) wireless



1.2, Fully Container without external devices includes

- 40 ft High bay Container with Air Shower (for MG), Plant grower Cabinet, UV Light, Aisle Light, Circulation Fan, Water Spray, Water Drip system.
- Air conditioning indoor /Outdoor machine
- Water Cooler 3.5T
- Nutrition /Fresh water tank
- X22 Speed Dome IP Camera with OPCOM Wave



1.3, All inside container without external device

It is very suitable for side by side and stackable placement, can save space.

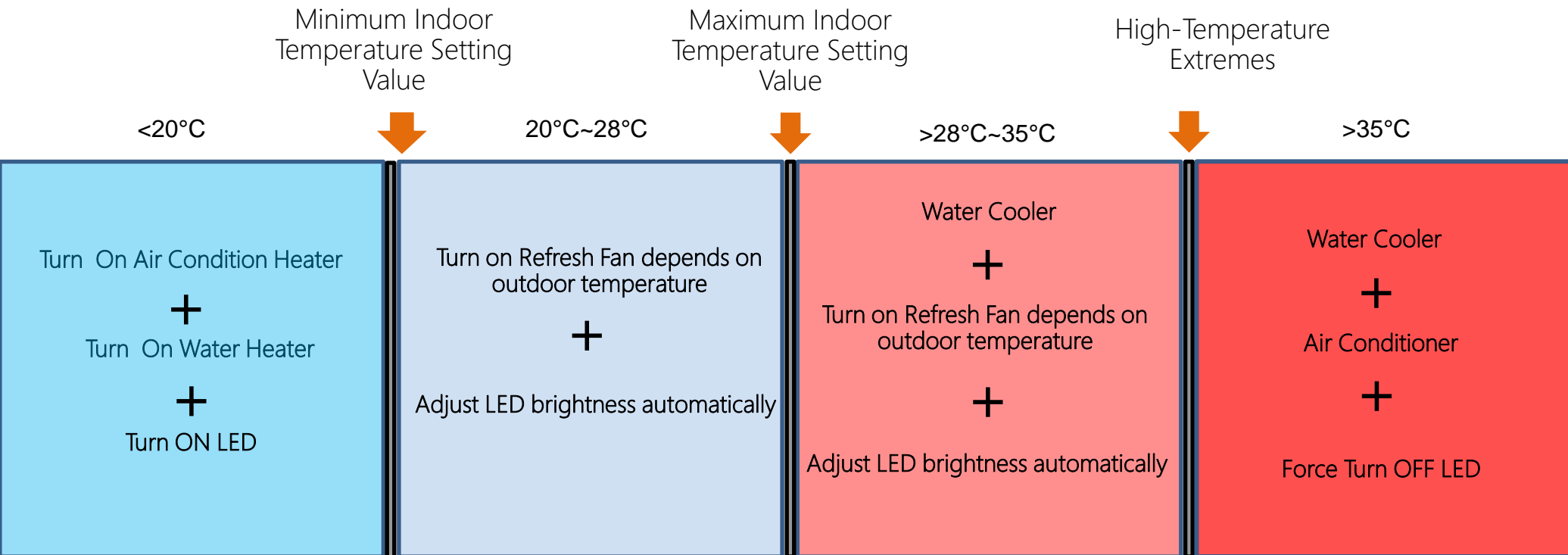
1.4, Own DSP CCU design

Own design Embedded CCU system to smart software control to each devices and cloud App for AI Big Data collection, analysis and service with Two ways long range wireless protocol.

2. AEC: Auto Environment Control

1, High effective using nature environment, saving power.

2, OPCOM Algorithm to manipulate all parameters automatically. We logs lots of accurately sensors data to monitor all corner of your container



3. AHC: Auto LED Height Control

TOFC408L8 Rack

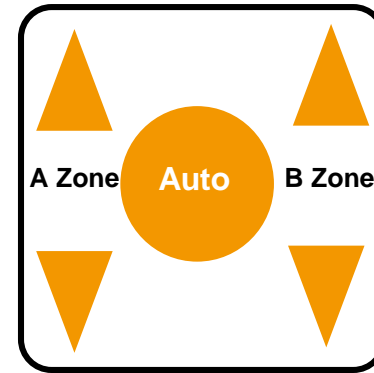
LED

Up / Down
Control

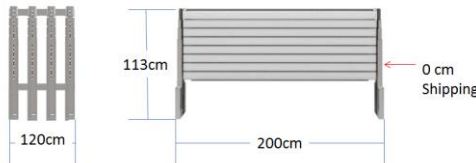
Patented Schedule / Auto adjusted curtain design growth light height against plant height in each stage to win sufficient illumination for optimized the plant growing. LED Light Power saving 57%, Air conditioning energy saving 24%

LED Bracket

OFG003L8-4PK 4 Shelf Wall

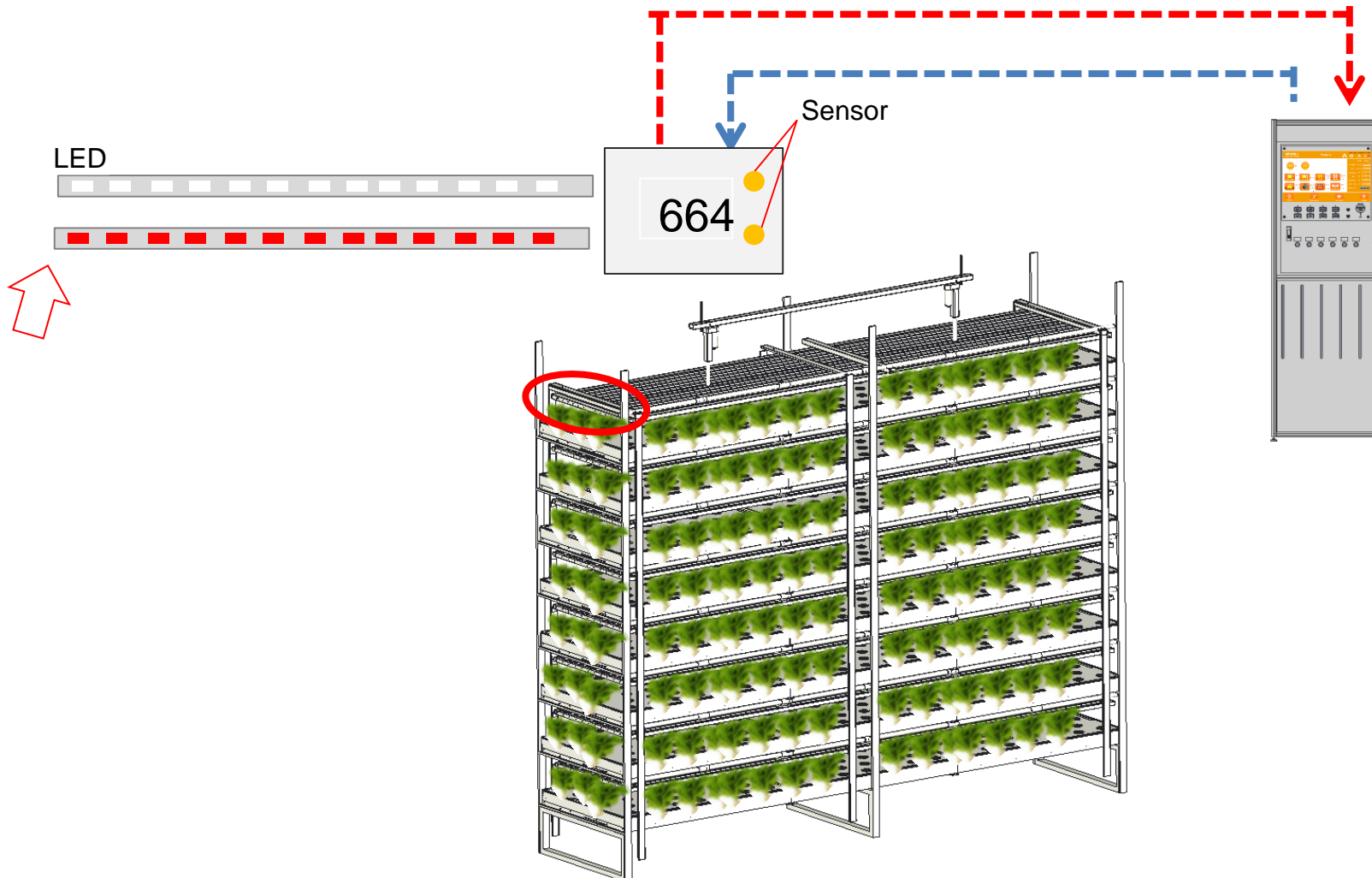


Depends on plants height automatically,
best efficiency way to save power consumption,

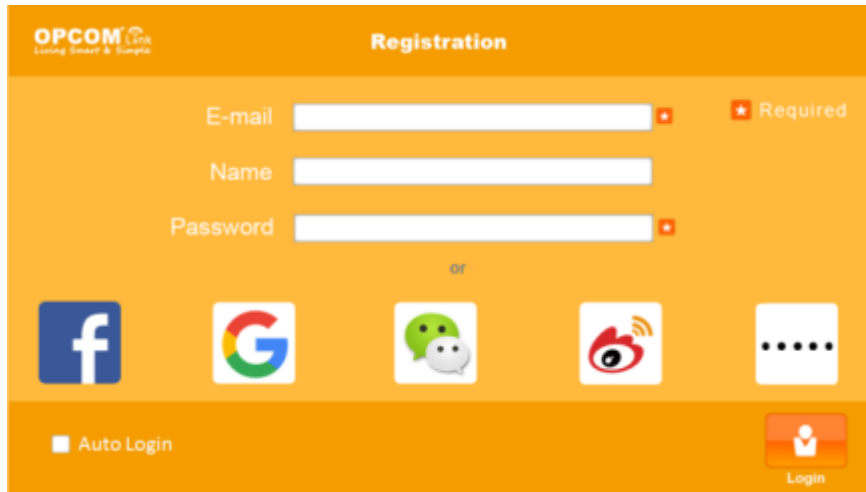


4. ABC: Auto Brightness Control

Auto detect LED brightness patent design, will automatic adjustable power supply when LED light brightness drop to 70% to increase brightness.



5. ARC : Auto Run Control



Login system to insure safety, and support social net work login



Fully automated smart interface



RGBW full spectrum light



Heater/Cooler control



Auto dosing

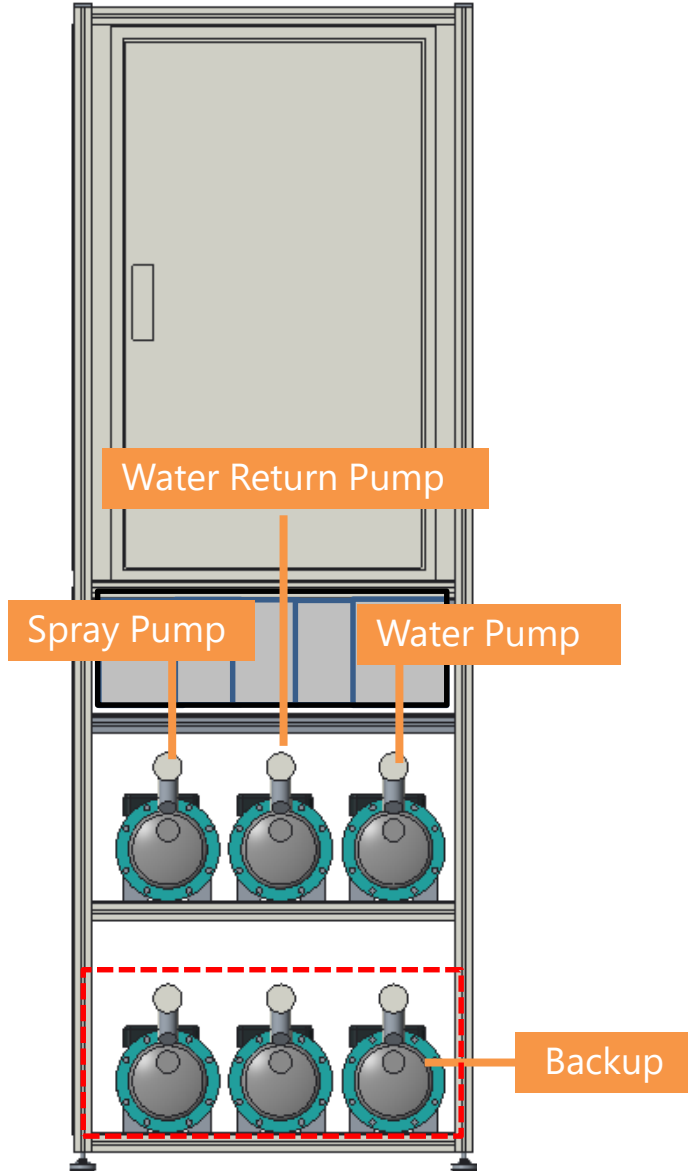


Live view and storage time lapse

Easy to monitor plant and control full conditions

6. ABS: Auto Backup System

Back of Master Station



When pumps malfunction, the backup one will start works immediately to prevent the plants from dying.

OPCOM spare parts program provides additional one year backup pump, filter, light.....

7. ACB: Auto Cloud Backup



8. ASG: Auto Stimulating Plants Grow



OPCOM Wave delivery specific microwave energy to each plant growing fast up to 20%.

9. ADA: Auto Device Appendence



IPC



Cooler/ Heater



Pump

... etc.

Up to 1024pcs RS422 system Adapter(660C/ 661C/662C/ 663C/664C/665C)

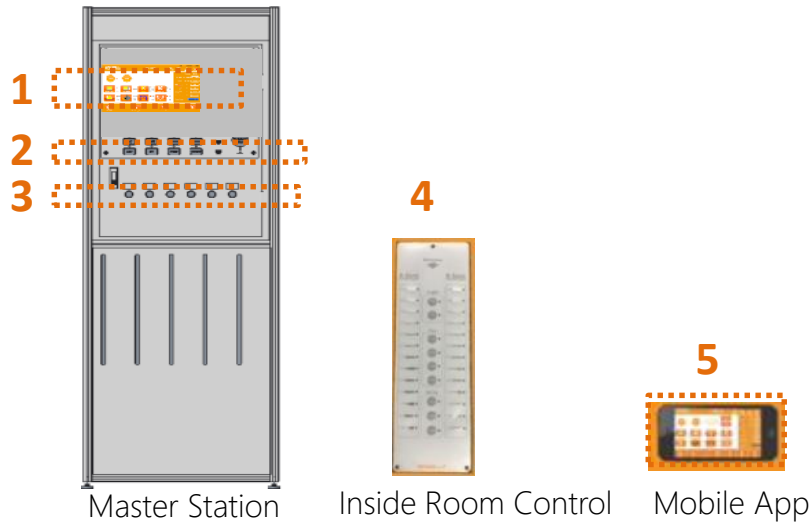
Master station can control 64sets tent, each tent 32pcs device.

OPCOM provides a variety of accessories help you manage not only your container, but also the plant factory



Besides the extension of devices, OPCOM cloud can integrates other system, such as surveillance, smart home, and lighting system...etc.

10. APF: Automatic Protection Function



5 Way to control,
Master Station IPC, Hard Key, Distribution Box, Inside Clean Room Control and Mobile App to control the container anytime, anywhere.

Warning and Caution Notification, Let you prevent the fatal error.



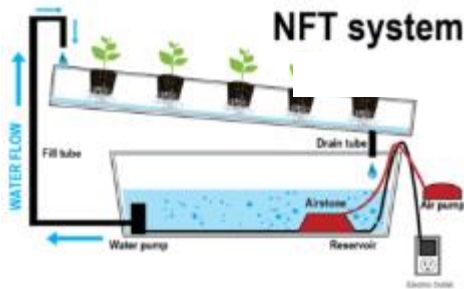
Precise AC Power Regulator (220V+/-1% , up to 30KVA) provides the stable power source.



UPS Power protect to IPC, even power shut down, but still can support continue use 1.5hour to download data storage.

11. AHT: All Hydroponic Technique Supported

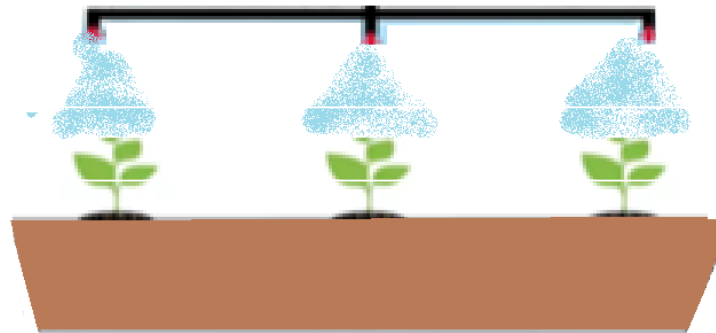
Nutrient Film Technique (NFT System)
 Grow Frame / Grow Wall / Grow Wall 2
 TOFC4088-MG, OHF-LN-0852



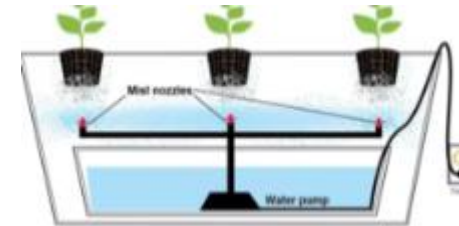
Deep Flow Technique (DFT System)
 Grow Box / Grow Box 2 / O2 Light
 TOFC4066, OHF-VA-0852



Media tillage (micro spray system)



Aeroponics System
 Grow Tank / TOFC4083



70µm mist

OPCOM's container support all Hydroponic Technique

OPCOM's container also support media tillage

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