

BETTER BUSINESS FLOW

Growing vegetables or herbs by BioPod container farms can also optimize your business processes. You only need to take out the planting tray, put it in a waterproof base tray, and cover it with a transparent cover to sell "live vegetables".



PRODUCT CUSTOMIZATION

In addition to the above three standard planting containers, BioPod can also customize container products for our customers. These customizations include:

***Plants that need to be grown**
(such as strawberries, pasture, etc.)

***Aeroponics or hydroponics or media grow?**

***Other functional requirements including thermal isolation, dehumidification, etc.**

PARAMETERS			
Functions	Name	Aeroponic-Container Farm For Leafy Greens	Hydroponic-Container Farm For Leafy Greens
Model #		VF-VA7560	VF-VH9450
Total Weight		7,500kgs-8,000kgs (16,500 lbs -17,600 lbs)	
Inner Space		1,198cm(L) x 230cm (W) x 264cm(H) / 472"x 90.5" x 704"	
Corridor Width		62cm (24.4")	
Maximum A.C Capacity		60,200 BTU	
Sterilization Rate of Internal Air		5-30 times/hr	
Max. Dehumidification		306L/Day (647 pints/day)	
Max. Humidification		6L/hr (13pints/hr)	
QTV Sprinkler		4 pcs	
Controllable Temp. Range		16° (- 30° (
Input Voltage/ Frequency		11.0V-277V, 50/60 HZ.	
Max. Power		21KW	
Planting Tiers		4 tier	5 tier
Dosing System		4 channels	
Max. PPFD		400 μmol/s.m²	
Light Dimming Range		0-100%	
Grow Steps		seeding and grow	seeding and harvest
Canopy Area/ Irrigation		41 m²/aeroponic	48m²/aeroponic
Seeding Area/ Irrigation		7m²/aeroponic	no seeding area
Transplanting		yes	no need
Base Tray		aeroponic base tray (BT1)	NFT Base tray(BT2)
Planting Tray		75mm cell tray(GTS)	75mm cell tray(GT5)
Plants Suitable		leafy greens	leafy greens

— POST-SERVICE SUPPORT —

Complete user manual guide providing

Free parts for maintenance

5 years warranty

24 hour solution provider

On-Site available

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TECHNOLOGY WITH RESPECT TO NATURE



CONTAINER FARM for Vegetables

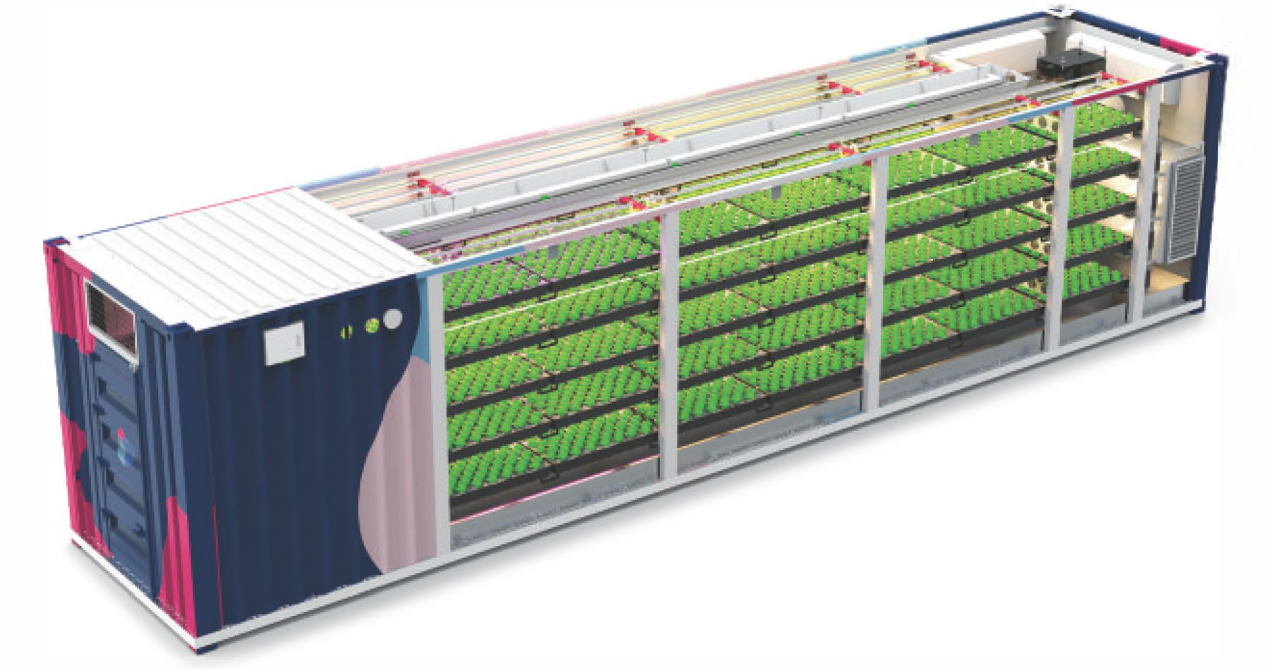
About BIOPOD

Established in 2015, BioPod is a biotechnology company with a 15 people R&D team for indoor and greenhouse cultivation devices development. We insist on developing the products by standing on the feet of users to truly help growers grow higher efficiently, especially for large-scale commercial indoor agriculture projects.

Since our manufacturing center in Foshan City, China set up in 2016, BioPod has helped many customers reach their profit targets with efficient target-oriented solutions and diversified product line. Our main products are in 3 categories:

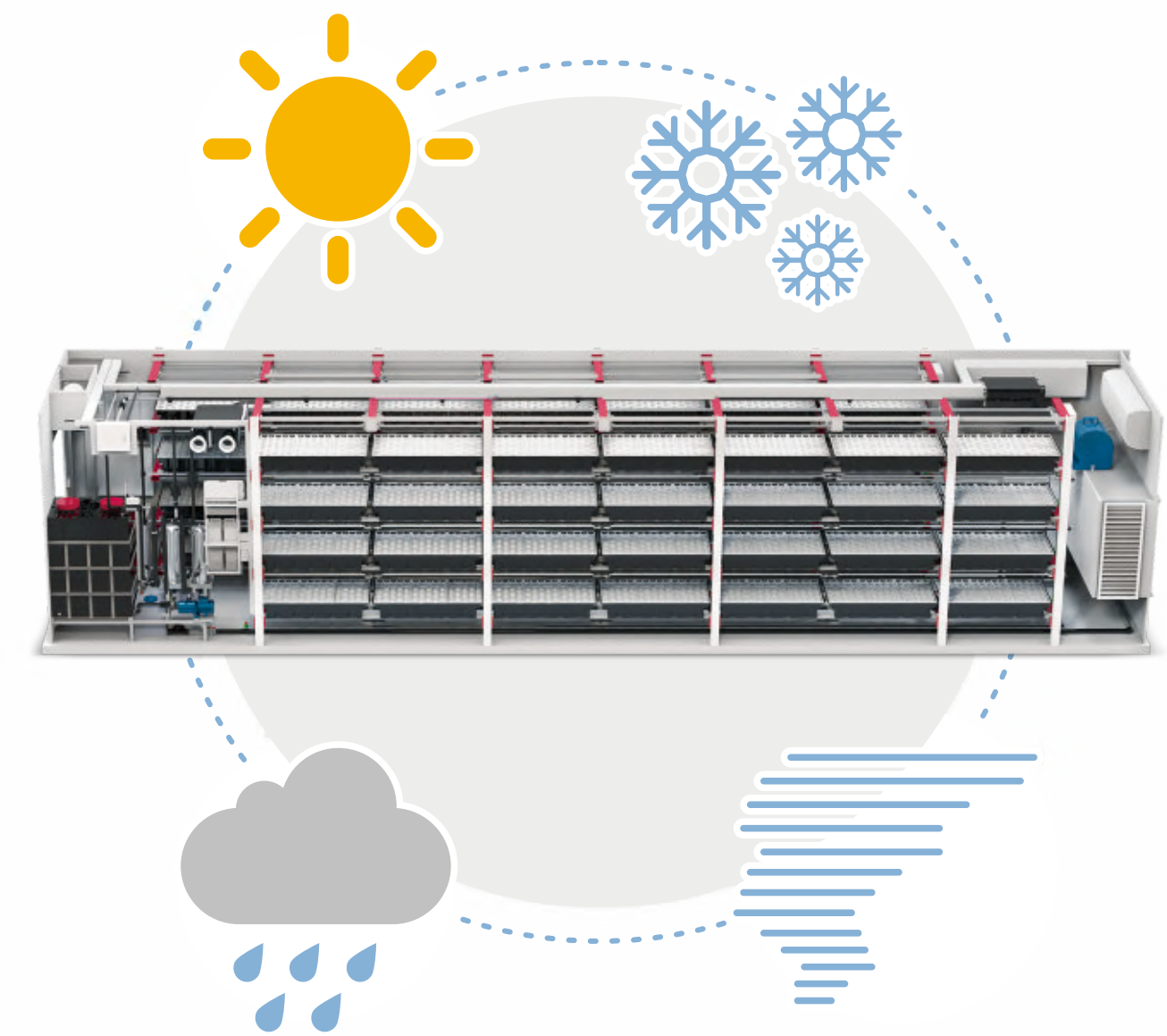
- LED GROW LIGHTS
- VERTICAL GROW SYSTEM
- CONTAINER FARM

This catalog will introduce our Container Farm for Vegetables.



FEATURES OF CONTAINER FARM

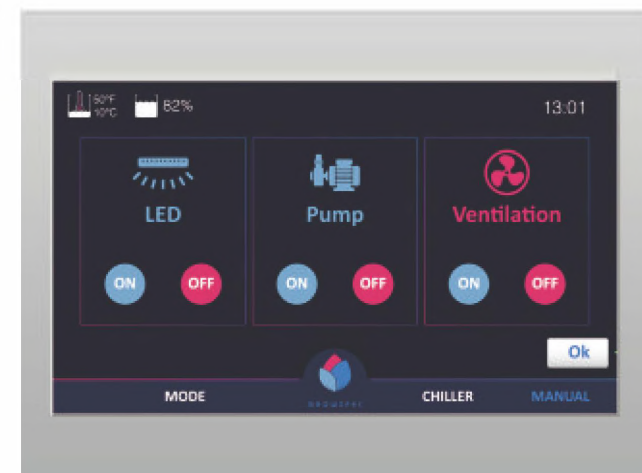
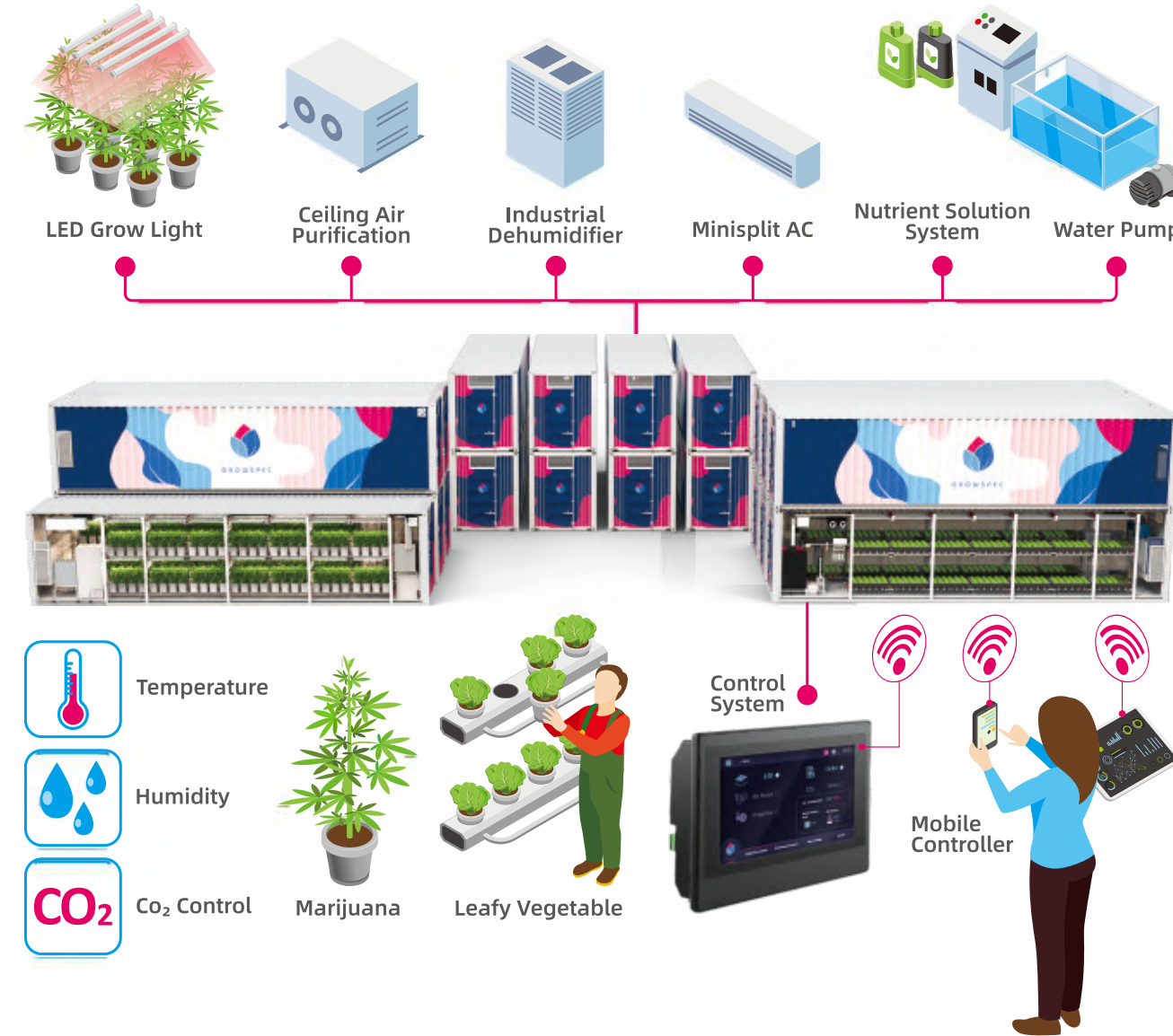
BioPod has 3 standard container farms for vegetable planting. Inside these container farms, there is an independent climate system, which is not restricted by external conditions and can work in an environment of -40°C to 40°C. It can be used not only indoors but also outdoors, and can resist rain, snow, severe cold and very hot weather.



AEROPONIC-CONTAINER FARM FOR LEAFY GREENS

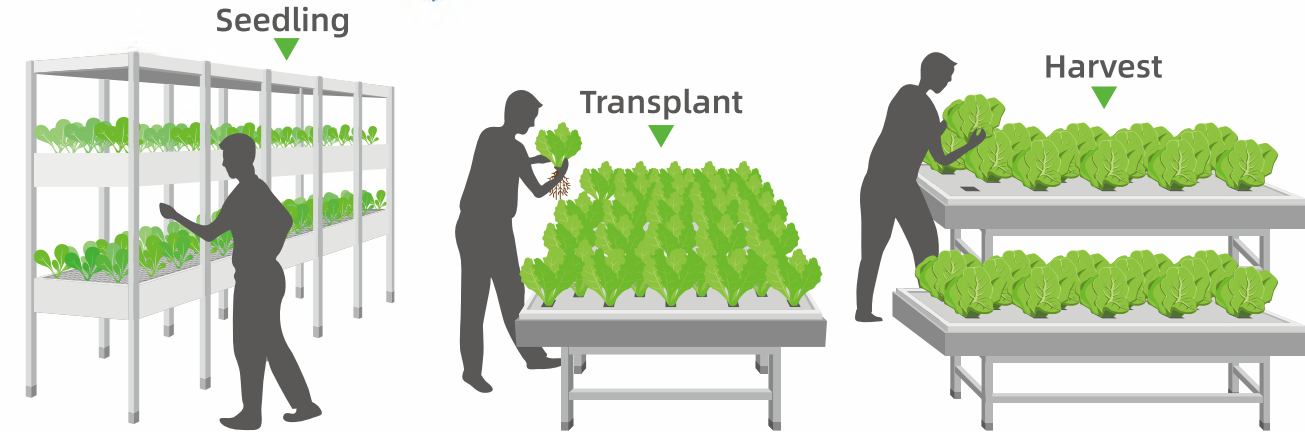
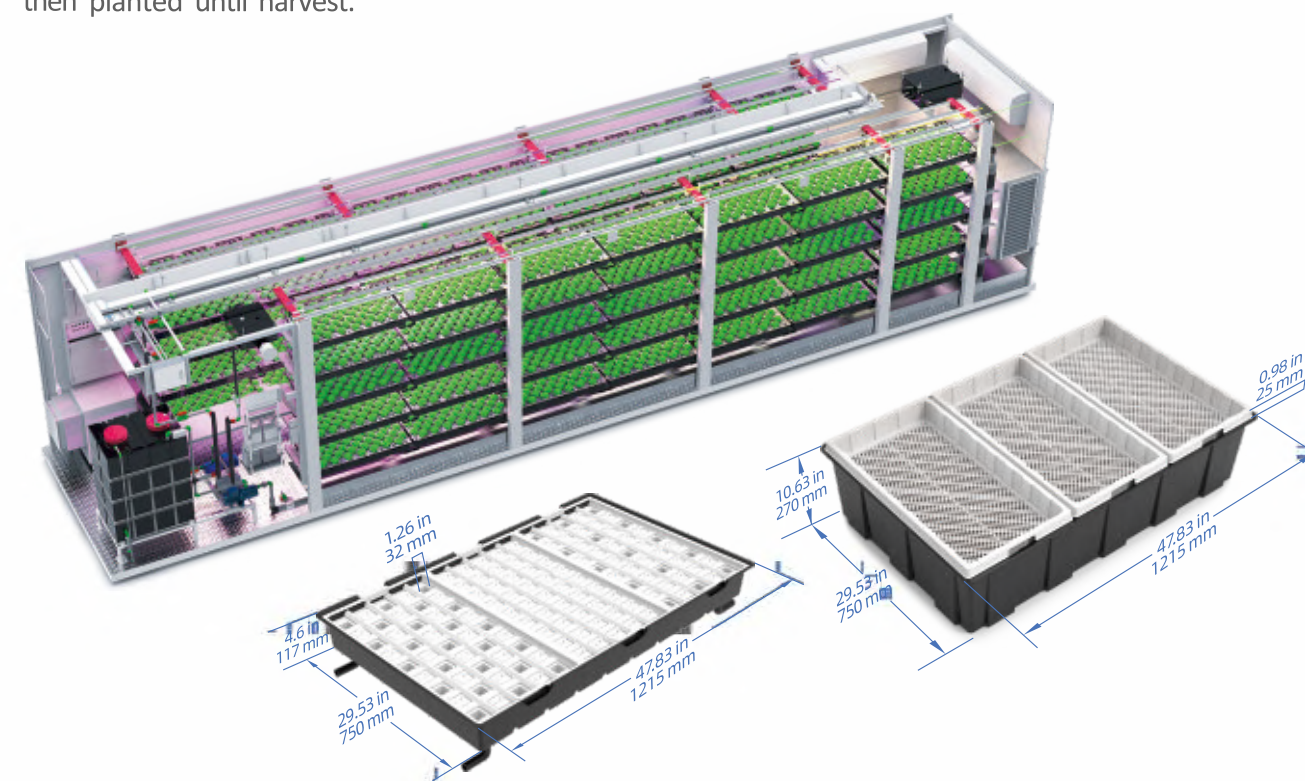
On a 10-inch touch screen, you can set the formula of nutrient solution, indoor temperature, humidity, CO2 concentration, nutrient solution temperature, air circulation rate, light strategy (including light intensity and time control), irrigation strategy, etc., The container farm will work automatically according to your settings. In addition, the container farm is also equipped with a fire-fighting system, an indoor air sterilization system, an indoor&outdoor air exchange system, etc.

Another very notable feature is that we have achieved an internal "water balance". After the water is mixed with the fertilizer, it enters the air through the transpiration of the plants. The condensed water will be collected back through the air conditioner and dehumidifier, then returned to the nutrient solution tank. After the fertilizer is blended, filtered and sterilized, it will irrigate plant roots. Collected water will participate in the cycle process again.



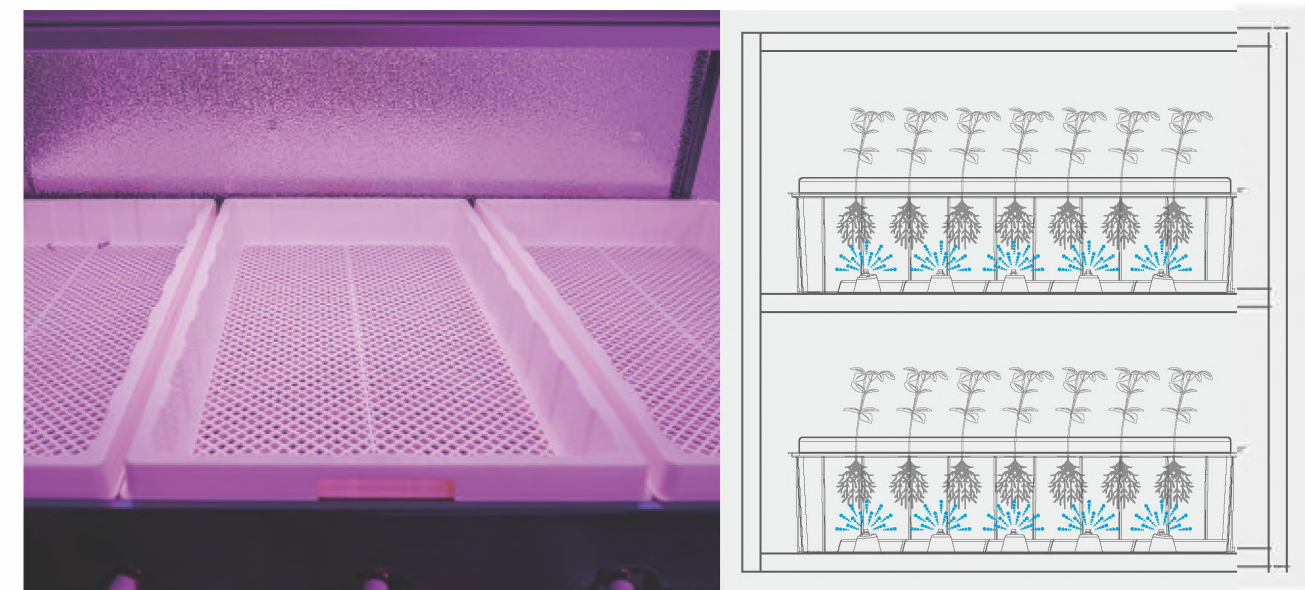
VF-VA7560

This container farm adopts aeroponic irrigation, the mist at the bottom of the planting tub brings enough nutrients and dissolved oxygen to the roots. It is suitable for the planting of "single" vegetables such as lettuce, parsley, and basil. Seedlings are grown in the nursery area, waiting for the roots to emerge before the vegetable seedlings can be transplanted to the planting area, and then planted until harvest.



VF-VAC

This container farm adopts aeroponic irrigation, which is suitable for planting sprouts such as pea, mung bean, amaranth, and herbs such as thyme and mint. These plants grow in "clusters", and there is no need to move seedlings from seed to harvest. After the seeds are soaked, they are placed on the paper or fiber cloth in the planting tub, and they can be planted until harvested.



VF-VH9450

This kind of planting container is divided into a nursery area and a growth area. After the seeds germinate and take root in the nursery area, they are transplanted to the planting area and planted using shallow liquid flow technology. It is suitable for growing leafy vegetables such as lettuce and basil.

