

# CultivatorPod

## Micro Series

Product Code: SFM1800

Cultivation. Automation. Precision.

Cenaura Cultivator Pods enable growers to achieve constant production of vegetables all year around. The cubes utilize artificial control of light, temperature, moisture and carbon dioxide concentrations to enable quality and consistency.



Cenaura Cultivator Pods are autonomous cultivation appliances that leverage AI, IoT, Robotics, Mobile and Cloud technologies to produce clean, safe, healthy, and nutritious food.



The vertical farming methodology allows growing plants in rows and columns in a high density format. The Pods save energy, conserve water and minimize resources consumption.



The Pods are modular, portable and stackable precision growing environments, optimised for accelerated growth of a wide variety of greens under all weather conditions.

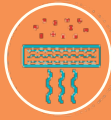


Intelligent control automation takes care of lighting, irrigation, temperature, humidity, pH, nutrient and carbon dioxide. The plants flourish in a controlled environment, thanks to the data driven growing recipes.



## Features

- Temperature Control
- Ventilation Control
- Humidity Control
- Vapour Pressure Deficit Monitor
- Dewpoint Monitoring
- Carbon Dioxide Control
- Grow Light PAR Control
- Grow Light DLI Control
- Solar Radiation Monitoring
- Nutrient pH Control
- Nutrient EC Control
- Nutrient Level Control
- Nutrient Flow Control
- Nutrient Temperature Control
- Nutrient Dissolved Oxygen
- Water Level Control
- Master Control Panel



Clarifier



Purifier



Luminator



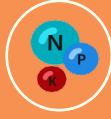
Irrigator



Ventilator



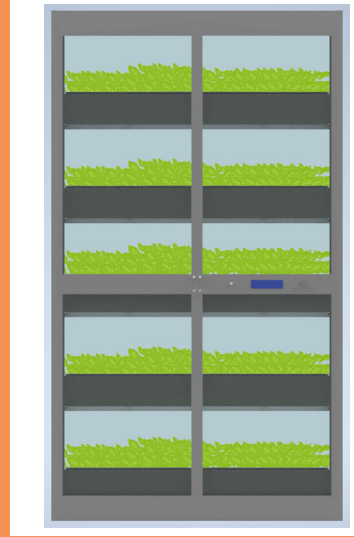
Climatizer



Doser



WiFi Connectivity



## Specifications

Volume	1800 Ltrs
Net Weight	180kg
Refrigerant	R134a
Shelves	5
Plant Capacity	180 Nos
Temperature Range	10°-25° C
Dimensions External (ft)	5.9(W) x 2.7(D) X7.2(H)
Dimensions Internal(ft)	5.6(W) x 2.1(D) X 5.6(H)

## Cultivator Appliances for Commercial Operations

- Hyperlocal Farming at any place, every climate
- Precision engineered for consistent production
- Round the year efficient production
- Sterile cleanroom type operation
- Highest quality and tastiest produce
- Savings of 95% on water resources
- No pesticides or fungicides
- Protection from outside elements for predictability
- Sustainable Farming - Renewable Energy Sources
- Customize taste, color, texture and turgidity

## GROWING RECIPES

Grow your own leafy greens, herbs, and spices using the CultivatorPod and CultivatorCube series. Here's a sampling of the nutritious greens and flowers that can be grown. The modular growing trays can be re-configured for taller varieties.



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