

30 years of nutrient feeder manufacturing!
Leader in fertigation and nutrient solution systems

Hydroponic **Agrow**

Introducing our products

- Nutrient Feeder - Agrow-7000 PLUS (Full option/Basic)
Agrow-6000 PLUS (Full option/Basic)
Agrow-7000 (Full option/Basic)
Agrow-6000 (Full option/Basic)
Agrow-5000 Master (Full option/Basic)
Agrow-5000 Magic (Full option/Basic)
- Fertigation Unit - Agrow-2000 Star (Type A/B)



HANGARAM AGRI

Agrow

www.agrow.co.kr

※ Product appearance and structure may be partly changed without prior notice for improvement.



Product Lineup

Nutrient feeders: 6 models · Fertigation units: 2 models



Agrow - 7000 Plus HPA-7000 PLUS · Nutrient Feeder

PC+smartphone, 5 programs, 10-ch remote. Complex proportional control.



Agrow - 6000 Plus HPA-6000 PLUS · Nutrient Feeder

Farmer's #1. PC+smartphone. 10.2" touch. Optimized for mixed crops.



Agrow - 7000 HPA-7000 · Nutrient Feeder

20yr export know-how. 5 programs. 6 nutrient types (A-F) proportional control.



Agrow - 6000 HPA-6000 · Nutrient Feeder

2022 #2 sales. 4 programs. Precise EC·pH. 16-zone irrigation.



Agrow - 5000 Master HPA-5002 · Nutrient Feeder

3 independent nutrient controls. 7" LCD. 2 EC·pH groups. HPA-5002.



Agrow - 5000 Magic HPA-5001 · Nutrient Feeder

3 nutrient programs. Cumulative solar radiation control. 12-zone irrigation.



Agrow - 2000 Star B HPA-2005B · Fertigation Unit

Continuous Mixing. Built-in pre/post irrigation raw water supply.



Agrow - 2000 Star A HPA-2005A · Fertigation Unit

Direct-Injection. 12-zone independent EC control. 7" touchscreen.



Integrated Nutrient Management System

Manage several nutrient feeders from one PC



Mobile app

Smartphone control



Management PC



Server-linked support

Checks and help via our server

Nutrient Feeder



Nutrient Feeder

Agrow-7000
Plus



Nutrient Feeder

Agrow-6000
Plus



Nutrient Feeder

Agrow-5000
Master



Nutrient Feeder

Agrow-5000
Magic



Fertigation Unit

Agrow-2000
Star

Several units, one screen

Check the status of every unit on one PC screen.

The whole farm at a glance

Units spread across zones and greenhouses are managed in one place.

Works with units you already have

Agrow units already in use can be joined into one system.

Complete P.I.D. nutrient control with proportional valves Direct nutrient supply without a mixing tank



10.2" touchscreen



Mobile remote



PC program

2023 New

Nutrient Feeder

Agrow - Perfect <Basic/Option>

Features

- Complete P.I.D. nutrient control using proportional valves
- Direct nutrient supply without a mixing tank — minimal control deviation
- Nutrient = A/B/C/D/F, acid/base, aux. fertilizer = up to 8 channels (option)
 - Standard = A/B, acid/base and auxiliary fertilizer = 4 channels
- 6 nutrient control programs run independently according to set operating periods
- Of the 6 nutrient control programs:
 - Group EC/pH control and 3-step accumulated radiation control = 3 programs
 - Valve EC/pH control and 3-step accumulated radiation control = 3 programs
 - Group EC/pH control and 3-step moisture content control = 1 program
- Radiation coefficient can be applied to accumulated radiation programs
- Valve auxiliary fertilizer = controlled by flow (1 L = option) and time (min:sec)
- EC-1 (control)/EC-2 (monitor) + pH-1 (control)/pH-2 (monitor) sensors — standard
 - Option = EC-3 (reprocess)/EC-4 (drain)/EC-5 (substrate)
 - pH-3 (reprocess)/pH-4 (drain)/pH-5 (substrate)
- Operation by external signal = linked with integrated environment control
- Standalone PC connection and mobile (web) control = communication (option)
- Irrigation pump selectable = 5.5 / 7.5 / 10 HP
- 10.2" touchscreen LCD
- Safety = 3-phase 380V — phase loss / low level / irrigation & raw-water pump fault
 - EC / pH / flow alarm
- Other functions are the same as Agrow-7000plus

Model No. HPA-9001





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Leader in fertigation and nutrient solution system

Agrow 7000plus 호미현동-1									
작물명	딸기	작물코드	0001	현재 일사량	872	W/m ²	현재 EC	0.5	mS
작물 프로그램	호미현동-1	작물일부	011075	현재 EC	0.7	mS	현재 pH	5.3	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH
현재 EC	0.5	현재 pH	5.3	현재 EC	0.7	mS	현재 pH	7.9	-logH

Packed with top features

10.2" Touchscreen



Mobile remote control



PC program

Nutrient Feeder **Agrow - 7000 Plus** <Standard/Optional>

Model No. HPA-7000 PLUS

Korea Agricultural Technology Promotion Agency (KOAT)

Performance Test 26-KOATMP-344 (2026.10.12) · National Standard Test 26-KOATMP-345 (2026.10.12)

Features

- PC & smartphone: linked operation, remote control = 10 ch.
- 5 independent programs (radiation-only - 3 / moisture & external sensors - 2)
- One radiation sensor drives 3 independent programs by accumulated radiation
- In the 3 radiation programs, radiation [-Ec:00%] and moisture [+00%] coefficients apply
- Nutrient - 6 (A~F) + acid/base + auxiliary fertilizer = 8 / irrigation zones = 16
- Nutrient supply mode per program: proportional-integral / combined
- In combined mode, per-component (A~F) offset supply is possible (10%~90%)
- Select nutrients per 5 programs: 6 (A~F) / acid-base / auxiliary fertilizer
- Irrigation volume per 5 programs = time (min:sec) / flow (0000 L)
- Auxiliary fertilizer unit = selectable from valves 1~16
- Substrate moisture control & temperature display = dedicated programs (pro-4/pro-5)
- Weight control & external environment control = dedicated programs (pro-4/pro-5)
- 5 programs run independently by sensors, time interval and set time
- After irrigation in each of the 5 programs, valves can be flushed with raw water
- For multi-crop growing: mixing tank drain and nutrient preparation on program change
- Per-valve delay time can be entered when irrigation zones change (00 sec)
- Standard EC sensors (2): EC-1 = control / EC-2 = monitors EC-1
- Standard pH sensors (2): pH-1 = control / pH-2 = monitors pH-1
- In-program EC/pH: alarm limits adjustable; safety device activates at limits
- Sensor value calibration for EC-1/2/3, pH-1/2/3 and radiation sensor
- Data: daily per 5 programs - irrigation count / per 16 valves - flow and irrigation time
- Option: irrigation flow meter = switches to automatic control on meter failure
- Option: drain flow meter = totals and records drain; avg EC/pH of 16 valves stored for 1 year
- Option: EC-3 / pH-3 = reprocessing sensors; reprocessing range can be set, alarm and shut-off when reprocessed mixture outside the range enters
- Option: EC-4 / pH-4 = drain sensors; EC-5 / pH-5 = substrate sensors; radiation sensor





Farmers' choice: No.1 in sales

Agrow 6000plus 종합현황-1									
작업 방법	시간	농온시간	00:00	현재 일사량	0 W/m	설정EC	0.6 mS	현재 EC	0.3 mS
작업 프로그램	프로그램 1	작업일부	미-동작중	설정 pH	-	설정 pH	6.0 -log	현재 pH	5.5 -log
농온	20.0℃	농온	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃
설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	설정 온도	20.0℃	현재 온도	20.0℃



10.2" Touchscreen



Mobile remote control



PC program

Nutrient Feeder Agrow - 6000 Plus <Standard/Optional>

Model No. HPA-6000 PLUS

Korea Agricultural Technology Promotion Agency (KOAT)

Performance Test 26-KOATMP-215 (2026.07.29) · National Standard Test 26-KOATMP-216 (2026.07.29)

Features

- PC & smartphone: linked operation, remote control = 10 ch.
- 4 independent programs (radiation - 3 / substrate moisture & external sensors - 1)
- One radiation sensor drives 3 independent programs by accumulated radiation
- In the 3 radiation programs, radiation [-Ec:00%] and moisture [+00%] coefficients apply
- Nutrient = 4 (A~D) + acid/base + auxiliary fertilizer = 6 / irrigation zones = 16
- Per 4 programs: select from 4 nutrients (A~D) / acid-base / auxiliary fertilizer
- Per 4 programs: irrigation volume = time (min:sec) / flow (0000 L)
- Auxiliary fertilizer unit = selectable from valves 1~16
- Substrate moisture control & temperature display = dedicated program (pro-4)
- Weight control & external environment control = dedicated program (pro-4)
- 4 programs run independently by sensors, time interval and set time
- After irrigation in each of the 4 programs, valves can be flushed with raw water
- Standard: 1 EC sensor / 1 pH sensor
- In-program EC/pH: alarm limits adjustable; safety device activates at limits
- Sensor value calibration for EC-1/2, pH-1/2 and radiation sensor
- Data: daily per 4 programs - irrigation count / per 16 valves - flow and irrigation time
- Average EC/pH values of 16 valves stored for 1 year and viewable
- Option: irrigation flow meter = switches to automatic control if the flow meter fails
- Option: drain flow meter = totals and records drain; radiation sensor
- Option: EC-2 / pH-2 = reprocessing sensors; reprocessing range can be set, alarm and shut-off when reprocessed mixture outside the range enters
- Option: EC-3 / pH-3 = drain sensors





20 years of nutrient feeder export know-how
with easy-to-use features



Nutrient Feeder

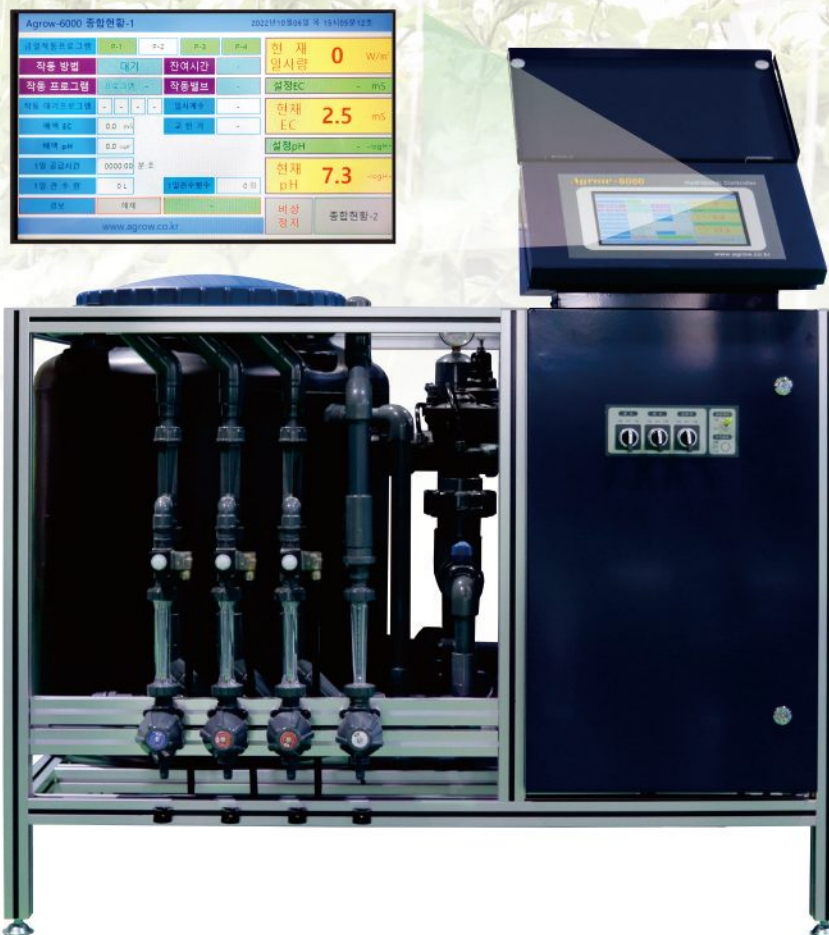
Agrow - 7000 <Standard/Optional>

Features

- 5 independent programs (radiation - 3 / moisture & ext. sensors - 2)
- One radiation sensor drives 3 independent programs by accumulated radiation
- In the 3 radiation programs, radiation [-Ec:00%] and moisture [+00%] coefficients apply
- Nutrient - 6 (A~F) + acid/base + auxiliary fertilizer = 8 / irrigation zones = 16
- Nutrient supply mode per program: proportional-integral / combined proportional
- In combined mode, per-component (A~F) offset supply is possible (10%~90%)
- Select nutrients per 5 programs: 6 (A~F) / acid-base / auxiliary fertilizer
- Irrigation volume per 5 programs = time (min:sec) / flow (0000 L)
- Option: flow meter = auto switch to other control if the meter fails in flow-based supply
- Moisture & external sensor programs = program assignment per sensor (P-4/P-5)
- 5 programs run independently by external sensors, time interval and set time
- After irrigation in each of the 5 programs, valves can be flushed with raw water
- For multi-crop growing: mixing tank drain and nutrient preparation on program change
- Per-valve delay time can be entered when irrigation zones change (00 sec)
- Standard EC sensors (2): EC-1 = control / EC-2 = monitor
- Standard pH sensors (2): pH-1 = control / pH-2 = monitor
- Option: EC-3 / pH-3 = reprocessing sensors; reprocessing range can be set, alarm and shut-off when reprocessed mixture outside the range enters
- In-program EC/pH: alarm limits adjustable; safety device activates at limits
- Sensor value calibration for EC-1/2/3, pH-1/2/3 and radiation sensor
- Data: daily per 5 programs - irrigation count / per 16 valves - flow and irrigation time
16 valves - average EC/pH stored 1 year and viewable. Radiation sensor

Model No. HPA-7000





Nutrient Feeder

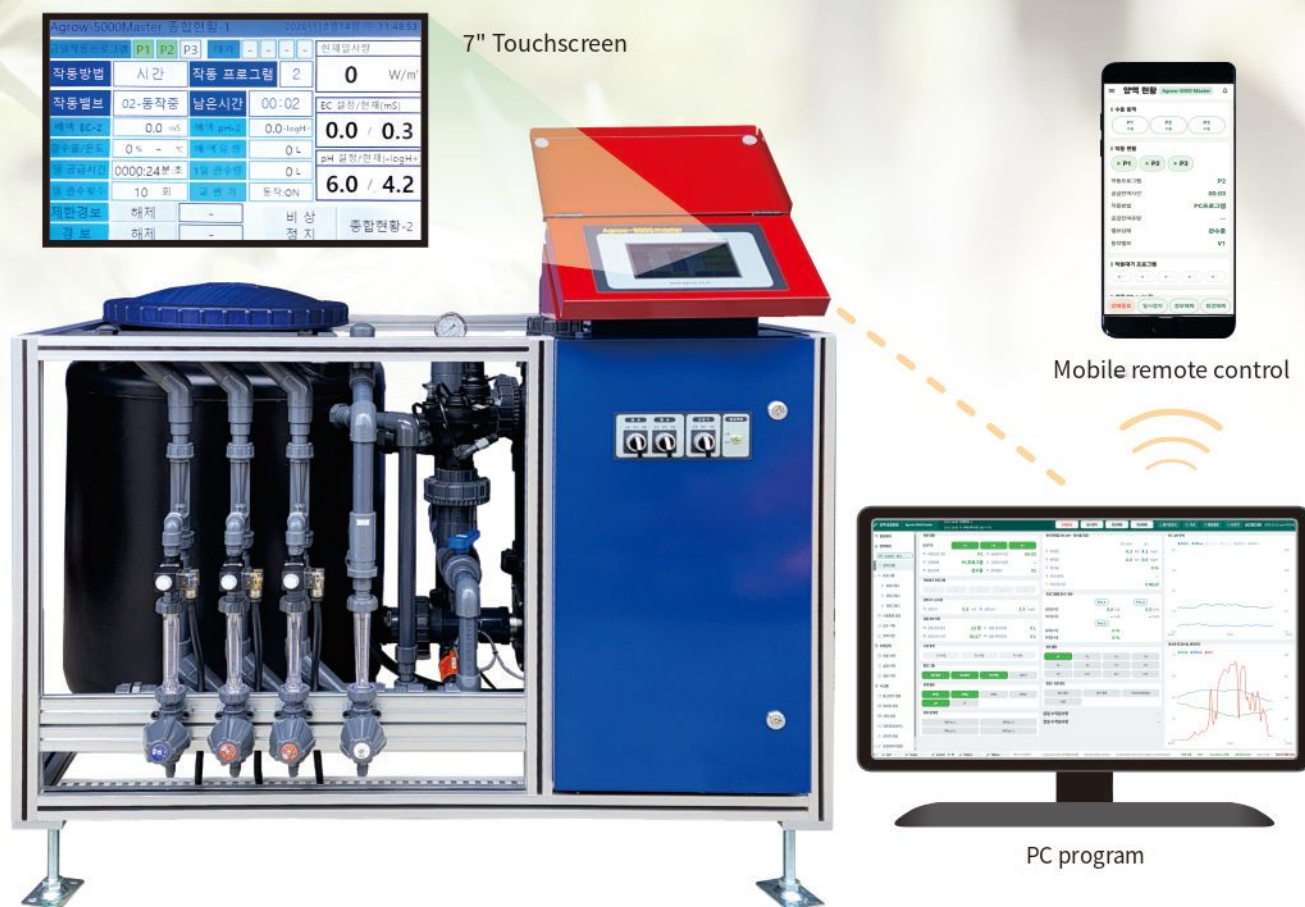
Agrow - 6000 <Standard/Optional>

Model No. HPA-6000

Features

- 4 independent programs (radiation - 3 / moisture & ext. sensor - 1)
- One radiation sensor drives 3 independent programs by accumulated radiation
- In the 3 radiation programs, radiation [-Ec:00%] and moisture [+00%] coefficients apply
- Nutrient = 4 (A~D) + acid/base + auxiliary fertilizer = 6 / irrigation zones = 16
- Per 4 programs: select from 4 nutrients (A~D) / acid-base / auxiliary fertilizer
- Per 4 programs: irrigation volume = time (min:sec) / flow (0000 L)
- Option: flow meter = auto switch to other control if the meter fails in flow-based supply
- Moisture & external sensor program = program assignment per sensor (P-4)
- 4 programs run independently by ext. sensors, interval and set time (20 times)
- After irrigation in each of the 4 programs, valves can be flushed with raw water
- Standard: 1 EC sensor / 1 pH sensor
- Option: EC-2 / pH-2 = reprocessing sensors; reprocessing range can be set, alarm and shut-off when reprocessed mixture outside the range enters
- In-program EC/pH: alarm limits adjustable; safety device activates at limits
- Sensor value calibration for EC-1/2, pH-1/2 and radiation sensor
- Data: daily per 4 programs - irrigation count / per 16 valves - flow and irrigation time
Average EC/pH values of 16 valves stored for 1 year and viewable





Nutrient Feeder Agrow - 5000 Master <Standard/Optional>

Model No. HPA-5002

Korea Agricultural Technology Promotion Agency (KOAT)

Performance Test 26-KOATMP-152 (2026.07.01) · National Standard Test 26-KOATMP-174 (2026.07.20)

Features

- Consists of 3 independent nutrient control programs
- Programs: radiation (2-step) - 2 / moisture - 1
- EC-pH group control = 2 / EC-pH valve control = 1 program
- Standard: 7" touchscreen LCD
- Standard nutrient set = A / B, acid/base and auxiliary fertilizer
- Optional nutrient set = A / B / C / D, acid/base and auxiliary fertilizer
- Standard sensors = control EC-1 / control pH-1
- Options = drain EC-2 / drain pH-2 / radiation sensor / flow sensor
moisture sensor / raw-water pump / irrigation solenoid valve - sold separately
- Irrigation zones = 12; supply by radiation / moisture / time interval
supply by set time / operation by external signal possible
- Auxiliary fertilizer by direct injection - no effect on mixing tank EC / pH
- EC-1 / pH-1 sensors interchangeable with Agrow-6000 / 7000
- Irrigation pump = stainless, 3 HP (2.2 kW) horizontal / continuous mixing
- Safety = 3-phase 380V - phase loss / low level / pumps / EC, pH, flow alarms





Agrow-5000Magic 운영현황-1									
작동방법	P1	P2	P3	작동 프로그램	414	W/m ²	현재용수량		
작동방법	-	-	-	잔여시간	-	-	EC 감응/현재(mS)	0.3	
EC-1	0.0	mS	0.0	logH+	-	-	pH 감응/현재(clogH+	4.2	
보류수량	0005.36	분초	0.0	분초	-	-			
보류회수	8	회	보류시간	-	-	-			
비상경보	해제	-	-	-	-	-			
경보	해제	-	-	-	-	-			

7" Touchscreen



Mobile remote control



PC program

Nutrient Feeder Agrow - 5000 Magic <Standard/Optional>

Model No. HPA-5001

Korea Agricultural Technology Promotion Agency (KOAT)

Performance Test 26-KOATMP-213 (2026.07.29) · National Standard Test 26-KOATMP-214 (2026.07.29)

Features

- Consists of 3 nutrient control programs
- Accumulated radiation control is possible per program
- Standard: 7" screen - touchscreen LCD
- Nutrient = A/B, acid/base and auxiliary fertilizer = 4 (standard)
Nutrient = A/B/C/D, acid/base and auxiliary fertilizer = 6 (option)
- EC-1 (control) + pH-1 (control) = standard
- Option = EC-2 (drain) + pH-2 (drain)
- 12 irrigation zones per program; volume = flow (flow meter optional) / time (min:sec)
- Auxiliary fertilizer per program - direct injection on/off = standard
- Agrow-3000/5000 and Agrow-6000/7000 EC sensors interchangeable = pH sensor shared
- Irrigation pump = 3 HP stainless + continuous mixing = standard
- Safety = 3-phase 380V - phase loss / low level / pumps / alarms
EC / pH / flow alarm
- Other functions are the same as Agrow-5000





EC-Controlled Fertigation Unit **Agrow - 2000 Star** <Type B>

■ Continuous mixing - Model No. HPA-2005B

Features

- First fertigation unit with 2 built-in independent programs
- Radiation / moisture control - 2 independent operating programs
- Group EC program = 1 / valve EC program = 1
- Irrigation zones = 12 (per valve - time and flow supply)
- Independent EC control for each of the 12 irrigation zones
- Built-in programs for raw water supply before and after irrigation
- Built-in irrigation valve delay program before irrigation
- Irrigation zones = 12; supply by radiation / moisture / time interval
- Set-time supply / built-in operation by external signal
- Standard: 7" touchscreen LCD
- Standard sensor = EC control sensor
- Options = radiation / moisture / flow sensor / auxiliary fertilizer unit
- raw-water pump / irrigation solenoid valve - ordered separately
- Irrigation pump = stainless, 2 HP (1.5 kW) horizontal / continuous mixing supply
- Safety = irrigation pump / raw-water pump fault / EC / flow alarm





EC-Controlled Fertigation Unit **Agrow - 2000 Star** <Type A>

■ Direct injection - Model No. HPA-2005A

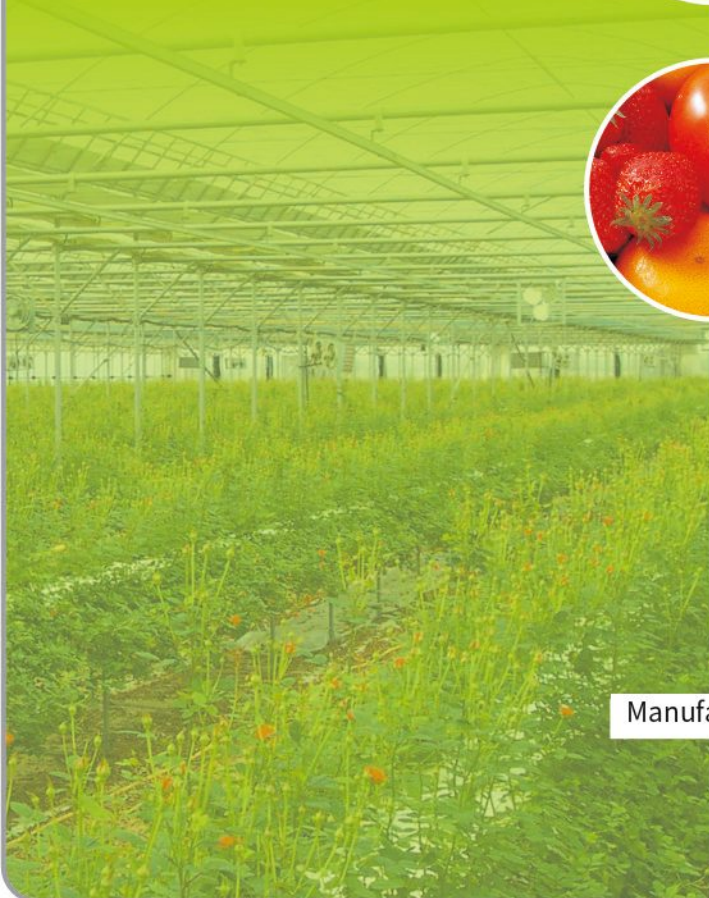
Features

- First fertigation unit with 2 built-in independent programs
- Radiation / moisture control - 2 independent operating programs
- Group EC program = 1 / valve EC program = 1
- Irrigation zones = 12 (per valve - time and flow supply)
- Independent EC control for each of the 12 irrigation zones
- Autonomous proportional A/B dosing by target vs. average EC deviation - economical
- Nutrient = separate switches for A and B for independent A/B management
- Irrigation zones = 12; supply by radiation / moisture / time interval
Set-time supply / built-in operation by external signal
- Standard: 7" touchscreen LCD
- Standard sensor = EC control sensor
- Options = radiation / moisture / flow sensor / auxiliary unit / irrigation solenoid valve - separate
- Irrigation pump = stainless, 2 HP (1.5 kW) horizontal / direct injection supply
- Safety = irrigation pump fault / EC / flow alarm



Leader in fertigation and nutrient solution systems

Hydroponic Agrow



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