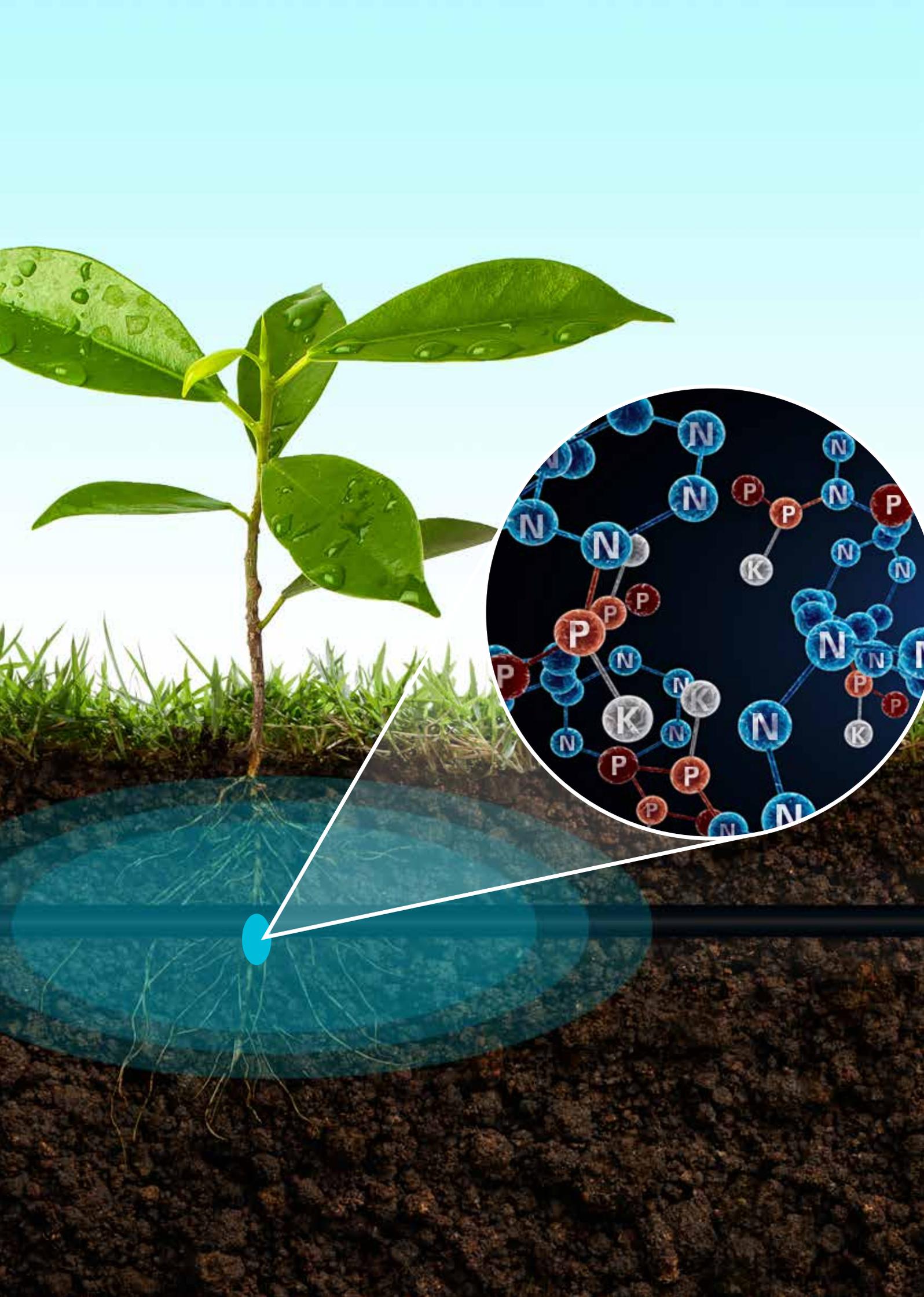


NUTRIGATION & FERTIGATION

CROP MANAGEMENT MADE EASY



OUR NUTRIGATION CONCEPT



NETAFIM'S NUTRIGATION SYSTEMS OFFER GROWERS THE ABILITY TO HAVE PRECISE CONTROL OF NUTRIENTS DELIVERY AND IRRIGATION TIMING ACCORDING TO THE CHANGING NEEDS OF THE PLANT

NUTRIGATION SOLUTIONS FOR IRRIGATION CHALLENGES

All over the world farmers are increasingly faced with modern agriculture challenges and finding creative solutions to deal with:

- Growing water shortages
- Working in more environmentally friendly ways
- Efficient usage of water, fertilisers and energy

DELIVERING PROVEN RESULTS

Significant improvement in crop quality and yield.

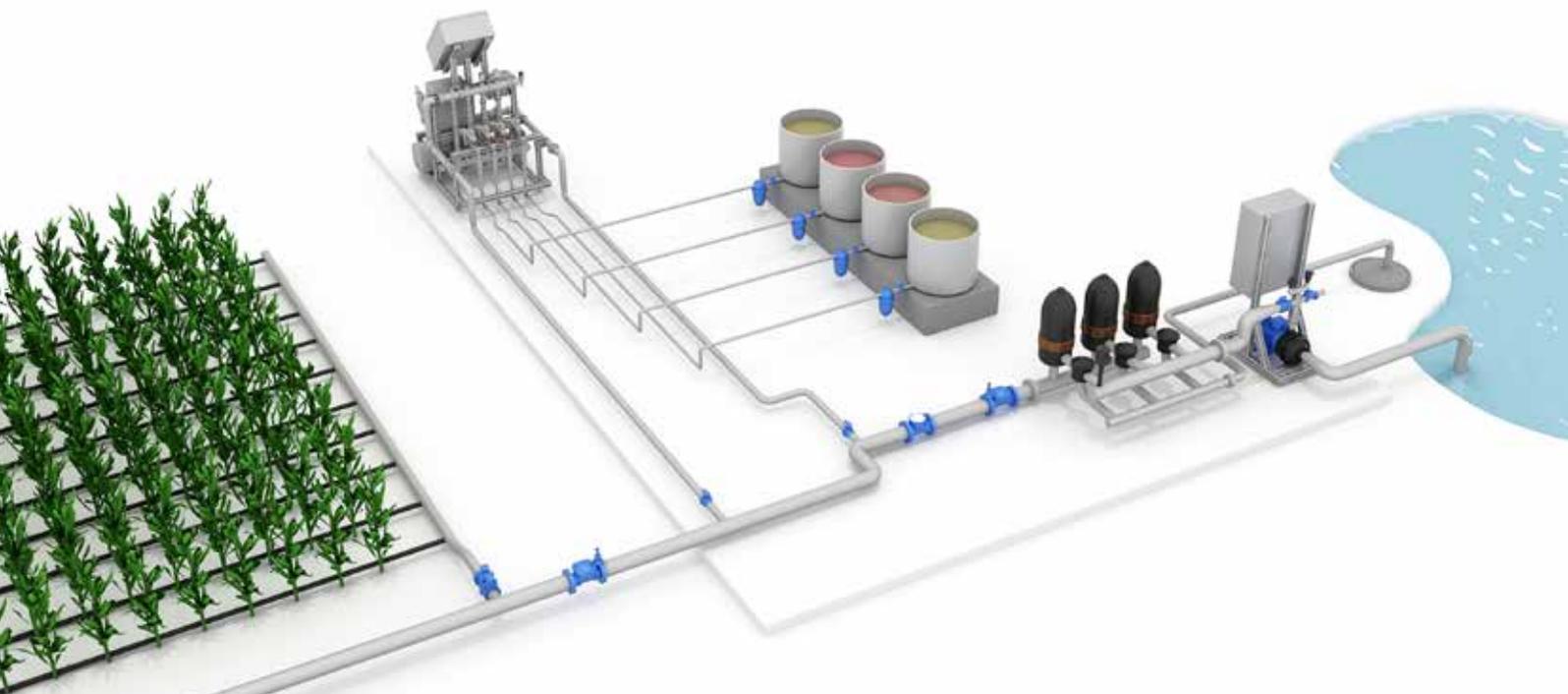
- Reduction of fertiliser and energy consumption
- Reduction of expenses
- Cost-effective savings
- Rapid return on investment (ROI)

ADDITIONAL BENEFITS

User Friendly Fertigation Controllers.

- EC & pH Measurement and Control
- System Reliability and Longevity
- After Sales Service
- One Year Guarantee

DELIVERING COMPACT PRECISE AND UNIFORM NUTRIGATION SOLUTIONS



HYDROMIX

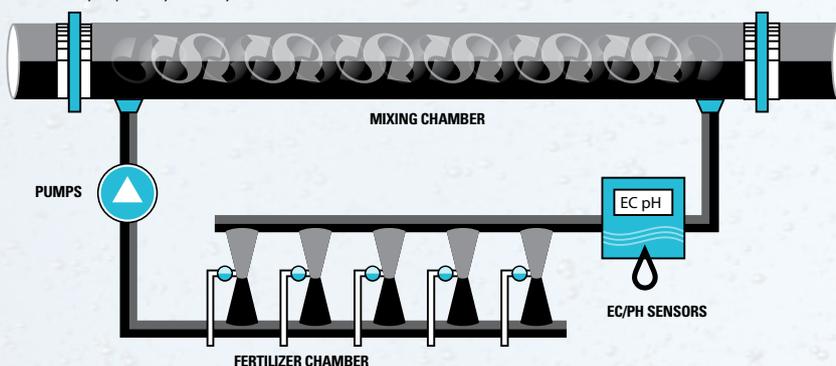


INNOVATIVE HYDROMIX TECHNOLOGY

Netafim's Nutrigation System converts precise pulse fertigation into a uniform Nutrigation mix that enables fast and accurate fertiliser injection and reduces energy consumption.

The relatively compact NetaJet utilises a small mixing chamber that is designed to ensure remarkably precise fertigation. With its unique, homogeneous solution of HydroMix Technology, NetaJet uses up to 5 dosing channels that are based on an accurate and efficient Venturi Injectors that gets the job done with no moving parts.

This includes quick action dosing valves, a visual area flow meter and low pressure protection. By ingenious leverage of in-house HydroMix Technology, Netafim offers a Nutrigation solution that is compact and precise while enabling cost-effective ways to enhance crop quality and yield.



NETAJET FAMILY

THE NETAJET FAMILY DELIVERS ORIGINAL AND UNIQUE ANSWERS TO MODERN AGRICULTURE CHALLENGES

NETAJET 3G - INLINE

Provides quick, accurate fertiliser and acid control.
Converts precise pulse fertigation into a uniform solution.
Offers EC & pH measurement and control.

EC/PH CONTROL

Standard: 1xEC, 1xpH
Optional: 2xEC, 2xpH

DOSING INJECTOR (VENTURI)

Standard: 3-5 x 300 L/Hr
Optional: 2-4 x 300 L/Hr + 1 x 40 L/Hr
(98% Acid Concentration)

MAINLINE FLOW RANGE

Standard: 0.5 to 20m³/Hr

OPERATIONAL PRESSURE

Standard: 3 - 5.5 Bar
Optional: 3 - 8 Bar

POWER CONSUMPTION

Standard: 3 x 200 - 460V 2.5kW 50Hz
Optional: 1 x 220V 2.5kW 50Hz



KEY BENEFITS

- OPTIMIZE RESOURCE UTILIZATION FOR EACH SPECIFIC LAND TYPE AND CROP
- BASED ON NETAFIM'S UNIQUE NUTRIGATION TECHNOLOGY, IT SAVES ENERGY, FERTILIZER AND WATER WHILE INCREASING YIELD QUALITY AND QUANTITY
- EXTREMELY ACCURATE AND RELIABLE DOSING SYSTEM, PREVENTING WATER AND FERTILIZER WASTE WHILE REDUCING ENVIRONMENTAL POLLUTION
- MODULAR SYSTEM CONFIGURED TO SPECIFIC CLIENT REQUIREMENTS
- PROVIDING LOWER COST OF OWNERSHIP AND A VERY FAST RETURN ON INVESTMENT AS PART OF NETAFIM'S COMPREHENSIVE SOLUTION

NETAJET 3G - BYPASS

Provides accurate fertiliser and acid control with minimum expenses and intervention.
 Delivers high precision solution for mid-range to large applications.
 Offers EC & pH measurement and control.

EC/PH CONTROL

Standard: 1 x EC, 1 x pH
 Optional: 2 x EC, 2 x pH

DOSING INJECTOR (VENTURI)

Standard: 3-5 x 300 L/Hr
 Optional: 2-4 x 300 L/Hr + 1 x 40 L/Hr
(98% Acid Concentration)

MAINLINE FLOW RANGE

Standard: 20 to 120m³/Hr

OPERATIONAL PRESSURE

Standard: 3 - 6 Bar
 Optional: 3 - 8 Bar

POWER CONSUMPTION

Standard: 3 x 200 - 460V 2.5kW 50Hz
 Optional: 1 x 220V 2.5kW 50Hz

DOSING RATIO

2 Litre/m³ 120m³/hr
 5 Litre/m³ 50m³/hr
 10 Litre/m³ 30m³/hr

Dosing ratio calculation leaves 20% additional capacity for corrections



NETAJET 3G - HIGH FLOW

One of a kind system.
 Delivers accurate control of fertilisers and acid in extreme flow rate of over 100m³/Hr
 Pre-set compensation channel. Injection based on unique venturi injectors.
 Offers EC & pH measurement and control.

EC/PH CONTROL

Standard: 1xEC 1xpH
 Optional: 2xEC 2xpH

DOSING INJECTOR (VENTURI)

Standard: 3-5 x 1,000 L/Hr
 Optional: 2-4 x 1,000 L/Hr + 1 x 40 L/Hr
(98% Acid Concentration)

MAINLINE FLOW RANGE

Standard: 80 to 400m³/Hr

OPERATIONAL PRESSURE

Standard: 3 - 6 Bar
 Optional: 3 - 8 Bar

POWER CONSUMPTION

Standard: 3 x 200 - 460V 6kW 50Hz
 Optional: 1 x 220V 2.5kW 50Hz

DOSING RATIO

2 Litre/m³ Up to 400m³/Hr
 5 Litre/m³ Up to 160m³/Hr
 10 Litre/m³ Up to 80m³/Hr

Dosing ratio calculation leaves 20% additional capacity for corrections



FERTIKIT FAMILY

THE FERTIKIT FAMILY OFFERS AN OPTIMISED, COST EFFECTIVE SOLUTION FOR IN SOIL AND SIMPLE SOILLESS APPLICATIONS.

Modular system delivers a solution for simple applications with minimum investment.

Precise Nutrigation based on high accuracy dosing channels.

Dosing channels based on venturi injector with no moving parts.

FERTIKIT 3G PL

Economic solution for upgrading a project where proportional fertigation is required.

Up to 6 dosing flexible channels can be assembled on the system.

Variable flow rates 50, 150, 400, 600 & 1,000 L/Hr of fertilisers or acid.

Suitable for a wide range of flow rates.

PL model has a booster pump

EC/PH CONTROL

Standard: N/A

Optional: 1xEC 1xpH

DOSING INJECTOR (VENTURI)

Standard: 2 x 400 L/Hr, 1 x 600 L/Hr
2 x 1000 L/Hr

Optional: Concentrated acid channels
50L/Hr & 150L/Hr.

MAINLINE FLOW RANGE

Standard: Up to 400m³/h.
Dependent on required injection rate.

OPERATIONAL PRESSURE

Standard: 2.5 - 6.5 Bar

INTEGRATION

NMC-Pro
NMC-Junior
EC/pH Monitoring (optional)



FERTIKIT 3G MS

Economic solution for upgrading a project where proportional fertigation is required.

Up to 6 dosing flexible channels can be assembled on the system.

Variable flow rates 50, 150, 400, 600 & 1,000 L/Hr of fertilisers or acid.

Suitable for a wide range of flow rates.

MS model utilises existing pumps.

EC/PH CONTROL

Standard: N/A

Optional: 1xEC 1xpH

DOSING INJECTOR (VENTURI)

Standard: 2 x 400 L/Hr, 1 x 600 L/Hr
2 x 1000 L/Hr

Optional: Concentrated acid channels
50L/Hr & 150L/Hr.

MAINLINE FLOW RANGE

Standard: Up to 400m³/h.
Dependent on required injection rate.

OPERATIONAL PRESSURE

Standard: 3 - 6 Bar

INTEGRATION

NMC-Pro
NMC-Junior
EC/pH Monitoring (optional)



DOSATRON FAMILY

PROPORTIONAL DOSING WITHOUT ELECTRICITY

Dosatron technology is based on a hydraulic motor pump activated only by pressure and the flow of the water. The dosing piston will inject the quantity of product that corresponds to the volume of water passing through the motor. Therefore, the operating principle ensures constant dosing, independently of the variations in flow rate and pressure of the water.

- Accurate dosage, even and continuous
- Non - Electric, Operates with water pressure
- Portable fertigation solution for you growing crop needs
- Option of automated operation

The injection of the product is PROPORTIONAL to the water flow rate.



DOSATRON D3 SERIES

DOSATRON D8 SERIES

DOSATRON D20S

DOSATRON D30GL1

MODEL TYPE	MOTIVE FLOW RATE	OPERATING PRESSURE	DOSING RATIO	DOSING PERCENTAGE	INJECTION RATE	MAX. SUCTION LIFT	CONNECTIONS	MIN. FILTRATION
	M ³ /HR	BAR			L/HR	M	MM/INCH	
D3 RE2	0.01 - 3.0	0.3 - 6.0	1:500 - 1:50	0.20 - 2	0.02 - 60	4m	19mm/3/4"	Arkal 3/4" Yellow
D3 RE2 PVDF	0.01 - 3.0	0.3 - 6.0	1:500 - 1:50	0.20 - 2	0.02 - 60	4m	19mm/3/4"	Arkal 3/4" Yellow
D3 RE5	0.01 - 3.0	0.3 - 6.0	1:200 - 1:20	0.5 - 5	0.05 - 150	4m	19mm/3/4"	Arkal 3/4" Yellow
D3 RE5 PVDF	0.01 - 3.0	0.3 - 6.0	1:200 - 1:20	0.5 - 5	0.05 - 150	4m	19mm/3/4"	Arkal 3/4" Yellow
D8RE2 VF	0.5 - 8.0	0.15 - 8.0	1:500 - 1:50	0.20 - 2%	1 - 160	4m	40mm/1.5"	Arkal 40mm Super Yellow
D8RE5 VF	0.5 - 8.0	0.15 - 8.0	1:100 - 1:20	1-5%	4 - 400	4m	40mm/1.5"	Arkal 40mm Super Yellow
D20S	1.0 - 20	0.12 - 10.0	1:500 - 1:50	0.20 - 2%	2 - 400	4m	50mm/2"	Arkal 50mm Leader Yellow
D30GL1	8.0 - 30	0.5 - 6.0	1:1000 - 1:100	0.1-1%	1.6-300	4m	DN 80 ISO Flange	Arkal 80mm Leader Yellow

CONTROLLER UNITS

ADVANCED, MULTIFUNCTIONAL, MODULAR AND ROBUST IRRIGATION CONTROLLERS

User friendly display programming interface

Greater control over your irrigation cycles, manage all your irrigation needs

Integrates via Cellular, Ethernet and Radio communications

Increase your Nutrigation and Fertigation accuracy

NMC-PRO

Suited to medium to large applications with a view of expansion

256 channels of output

Adjustable Input and Output card options (Analogue & Digital)

Available in 24VAC & 12VDC(Latched)

NMC-Pro Expansion box, increase your CMT control with your growing crop needs

OUTPUTS

NMC-PRO 240VAC: 256 Channels

NMC-PRO DC: 24 Local latched outputs

INPUTS

Digital: up to 16 (in modules of 8).

Analogue: up to 22 (in modules of 11)

POWER OPTIONS

AC: NMC-PRO: 240VAC

DC: NMC-PRO 12VDC (Latching)

INTEGRATION

NMC-PRO

NMC-PRO Expansion Box

NMC-Junior Pro

NMC-RAC

RadioNet

SingleNet



NMC-JUNIOR PRO

Suited to small to medium applications with a view of no expansion

15 channels of output

Adjustable Input and Output card options (Analogue & Digital)

Available in 240VAC & 12VDC (Constant)

OUTPUTS

NMC-Junior Pro: 15 Channels

INPUTS

Digital: 6 inputs

Analogue: 5 inputs

POWER OPTIONS

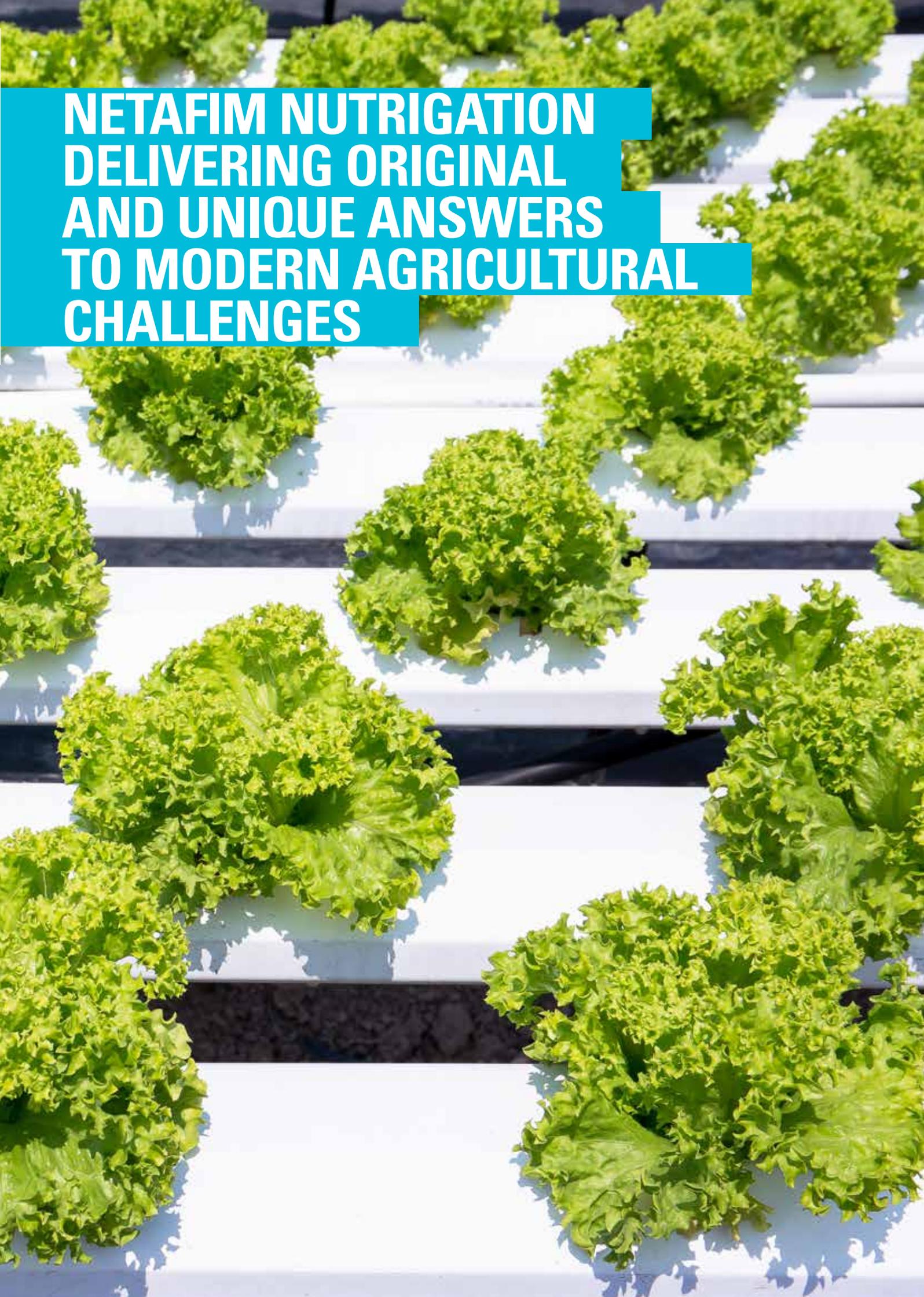
AC: NMC-PRO 240VAC

DC: NMC-PRO 12VDC (Constant)

INTEGRATION

NMC-RAC





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DELIVERING ORIGINAL
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TO MODERN AGRICULTURAL
CHALLENGES**

GROW MORE WITH LESS®

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