



Product Sheet

NetaJet™ 5G with analogue valves

Powered by GrowSphere™

Adaptive Precision Fertigation

Advanced Features & Benefits

Dosing precision and technology

- Stable injection via analogue dosing channels in a closed loop system
- Fertigation stabilisation reaches optimal EC/pH in ultra-fast speed, ideal for short irrigation cycles
- Adaptive dosing control with self-learning AI improves EC/pH response with every cycle
- Highly configurable with multi precise dosing channels. Variety of injection rates and dosing operators such as analogue and digital.
- Ultra precise adjustments of EC/pH control powered by optional dual sensors. (Single sensors standard.)
- Uniform fertigation thanks to a unique static mixing chamber technology
- Efficient water, fertilizer and energy consumption
- Versatile with various models to cover any hydraulic conditions, farm size, and irrigation systems

Control and monitoring

- Advanced control with GrowSphere™ MAX controller to manages an array of local and remote devices
- Secure remote control
- Integrates with GrowSphere™ Workspace enabling monitoring and reporting

User experience

- Plug & Play installation
- Maintenance free with Venturi operations, minimal moving parts
- Built to last with premium quality materials and components

Product Variations

Bypass	Bypass systems for pressurised line water source
Inline	Inline system for pressurized line water source for low mainline flow systems
OCTA	Bypass system for pressurised line water source OCTA offering 8 dosing channels.

Components

- HydroMix static mixing chamber
- Compensation channel with pressure regulator
- PRV at the inlet and PSV at the outlet
- Selectable analog dosing channels with self-learning mechanism
- EC/pH monitoring and control
- Quick-action dosing valves equipped with servo motor allowing valve opening from 0-100%
- Wide range of accessories and peripherals
- High-quality components and PVC piping
- Aluminum, corrosion-resistant frame with adjustable legs

Netafim Southern & East Africa

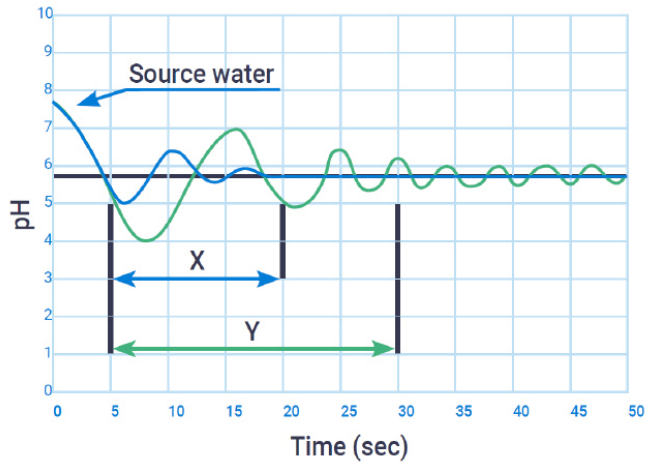
Industrial Avenue, Kraaifontein, Cape Town, 7570
T : +27 21 987 0477 | WhatsApp: +27 60 983 6058
www.netafim.co.za | infoza@netafim.com

Capabilities

- Allows up to 8 dosing tanks, with injection rates of 50 to 400 l/h, to be used simultaneously
- Highly accurate and reliable EC/pH control designed for protected and high-value crops
- Rapidly achieves EC/pH targets making it ideal for short fertigation cycles
- Automatically calibrates and regulate dosing flow before and during fertigation

Performance

Digital (on/off) vs. analogue dosing channel



- Analogue (continuous-variable) dosing channel
- Digital (pulsating) dosing channel
- pH set point

Stabilisation Time:

X= Analogue (continuous-variable) dosing channel

Y= Digital (pulsating) dosing channel

Technical Data

Dosing Unit		Dosing Channels									Irrigation System					
NetaJet™ 5G Model	In and outlet	Quantity		Minimum calibration (% of time open)			Maximum calibration (% of time open)			Pressure (m) at inlet to dosing unit		Q	Dosing rate (l fert/m ³ water)			
		100	80	60	100	80	60	min	max	min	12	10	4	2		
	(mm)	Min	Max	Flow rate (l/h) per channel for min calibration & % open time			Flow rate (l/h) per channel for max calibration & % open time			Min	Max	(m ³ /h)	Maximum irrigation flow rate (m ³ /h) with channel 80% open on maximum calibration. (Note 1)			
Inline	63 PVC	3	5	100	60	45	400	320	240	30	50	8	20 (See Note 3)			
Bypass	50 PVC	3	5	100	60	45	400	320	240	30	50	15	27	32	80	160
Bypass HP	50 PVC	3	5	100	60	45	400	320	240	30	80	15	27	32	80	160

1. The maximum system flow rates in above table are calculated per channel. You can use more than one channel per fertiliser solution to increase the dosing capacity, thus increasing maximum system flow rate.
2. The minimum flow rate per channel can be limited by one or a combination of the following: Needle valve, dosing meter, visual flow meter range or venturi injector motive flow.
3. This limitation is due to capacity of the HydroMix chamber.

Netafim Southern & East Africa

Industrial Avenue, Kraaifontein, Cape Town, 7570
 T : +27 21 987 0477 | WhatsApp: +27 60 983 6058
 www.netafim.co.za | infoza@netafim.com

