

FertiKit™ 5G

WITH GrowSphere™ MAX "IL" - INLINE

Fully configurable and highly cost-effective fertilizer/acid dosing unit, which includes the new intuitive and simple-to-use GrowSphere™ Max controller, is designed for precise Nutrigation™. FertiKit™ 5G maximizes the usage of available water flow rates and pressures on the main irrigation line, ensuring the highest efficiency while managing local and remote devices. It provides the crops with the optimal amount of water and nutrients.



Cost-effective



Advanced control



Versatile

Applications



Proportion
& EC/pH
fertigation



Open field



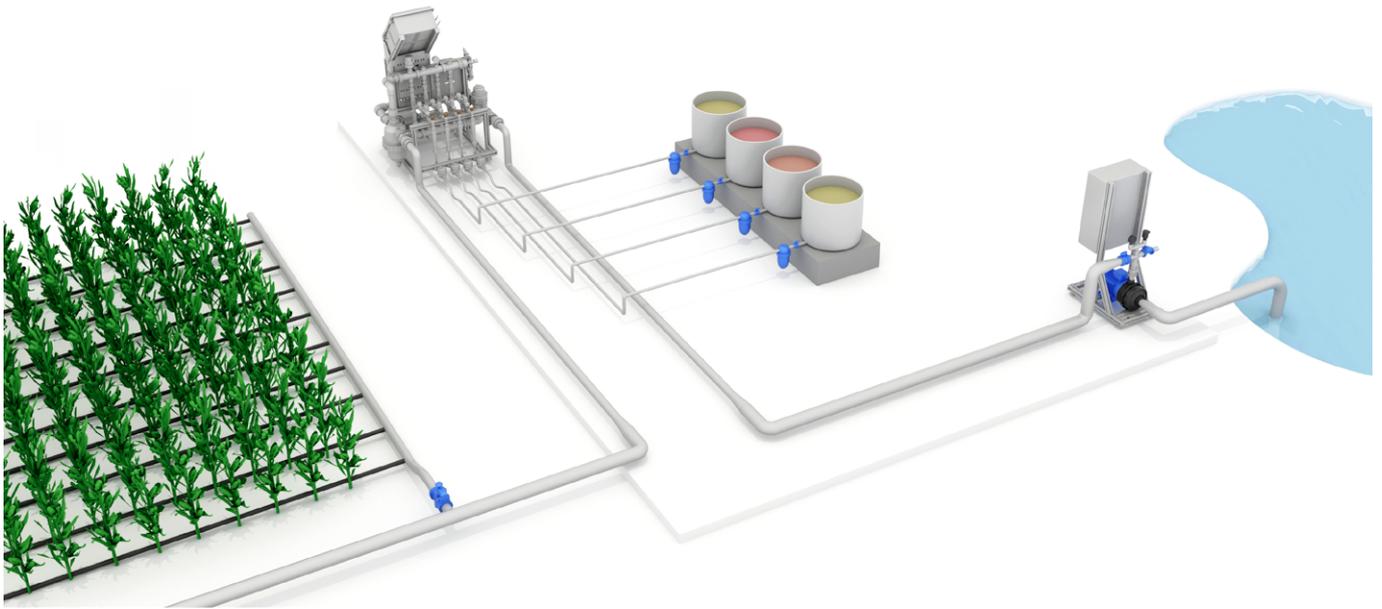
Orchards

/ Benefits & Features

- **Cost effective** Low investment with fast ROI
- **Advanced control** **GrowSphere™** Max controller is designed to speak the grower's language: manages an array of local and remote devices (valves, sensors, external data sources)
- **Versatile** Available in 8 models to suit any hydraulics conditions, any size, and any range of irrigation systems. Configure your own system according to your needs
- **Easy to install** Plug & Play, "Venturi" operations, no moving parts and maintenance free
- **Built to last** Made of high-quality materials
- **Fast & precise** Nutrigation adjustments with guaranteed EC and pH control
- **Easy integration** Compatible with any existing monitoring system
- **Simple operation** Manual or fully automated injection
- **Optimize crops** Plant nutrition precision with six highly accurate dosing channels
- **Efficient** Water, fertilizer, and energy consumption as needed

→ Typical Installation for FertiKit™ IL Model

- ✔ "IL- Inline" mode designed for low irrigation flows.
- ✔ Allows the use of high-efficiency Venturis with high suction capacity and low motive flow consumption.



→ Components

- ✔ Quick-action dosing valves
- ✔ Wide range of integrated accessories and peripherals
- ✔ Highest-quality components including stainless steel pumps, electric valves and PVC piping
- ✔ Aluminum, corrosion-resistant frame with adjustable legs

→ Capabilities

- ✔ Versatile flow capacity: from 0.1Ha to 3Ha, suitable for nurseries
- ✔ Since all the main line water flows through the system, slight pressure losses at the FertiKit™ outlet should be considered (See the table below):

Flow Rate m³/h (gpm)	Pressure Losses bar (psi)
5 (22)	0.1 (1.45)
10 (44)	0.3 (4.35)
15 (66)	0.6 (9.55)

→ Technical Data

Features	Standard	Optional
Controller	GrowSphere™ Max	Other controllers in the market or manual system without controller
EC/PH control	Single measurement	None
Flow rate	3 - 18m³/hour (13 - 85gpm)	
Dosing channel	50Hz: Up to 6 x 50 - 600l/h (13 - 156gph) 60Hz: Up to 3 x 50 - 600l/h (13 - 156gph) 60Hz: Includes compensation channel	Concentrated acid channel x 50l/hour (13gph)
System pressure	2.5 - 5.5bar (36 - 79psi)	

* For applications requiring more channels than written in table, please contact Netafim