



The flow of innovation

The background of the slide is a photograph of a greenhouse filled with rows of green lettuce plants. A large, diagonal blue graphic element, consisting of two shades of blue, cuts across the left side of the image. The text 'S.I. Fertigation Systems' is overlaid on the bottom right portion of the image, within the white space created by the blue graphic.

# S.I. Fertigation Systems



# Company Introduction



## Advanced Fertigation technology

"S.I Irrigation Technologies" is an Israeli company, experienced in design and manufacture of cost-effective fertigation systems for drip irrigation systems and micro sprinklers. With over 15 years of experience in irrigation management and irrigation project applications, S.I brings the most advanced and efficient fertigation solutions for the agriculture market.



## Our key products

Our key products are fertigation machines based on Venturi injectors and booster pump. The systems are equipped with advance irrigation controller which is accurately control the amount of fertilizer and acid injection. The fertigation recipe is programmable with EC&pH values which is controlled by the Irrigation controller.



## Superior service by a group of professionals

The company is managed by dedicated, highly trained employees who focus on quality, innovation and customer service. We strive to provide our clients the best products alongside superior service - this is the key to our success.

Our goal and aim is to provide our clients the most effective and efficient solution. Our highly advanced fertigation solutions are crafted and designed to provide peak performance when it comes to reliability.



## Cost-Effective irrigation solutions

Our advanced technology, alongside the smart design, offer our clients not only the best fertigation equipment today, but also an excellent cost-effective fertigation mechanism, designed to provide maximum performance at the lowest cost.

Our systems are designed to efficiently coordinate with the irrigation applications providing cost-effective high performance and reliability featuring many advantages: Saving fertilizer, a minor footprint, easy maintenance, eliminates leaks and rusting, lowering the installation costs and a portable & easy to move system.

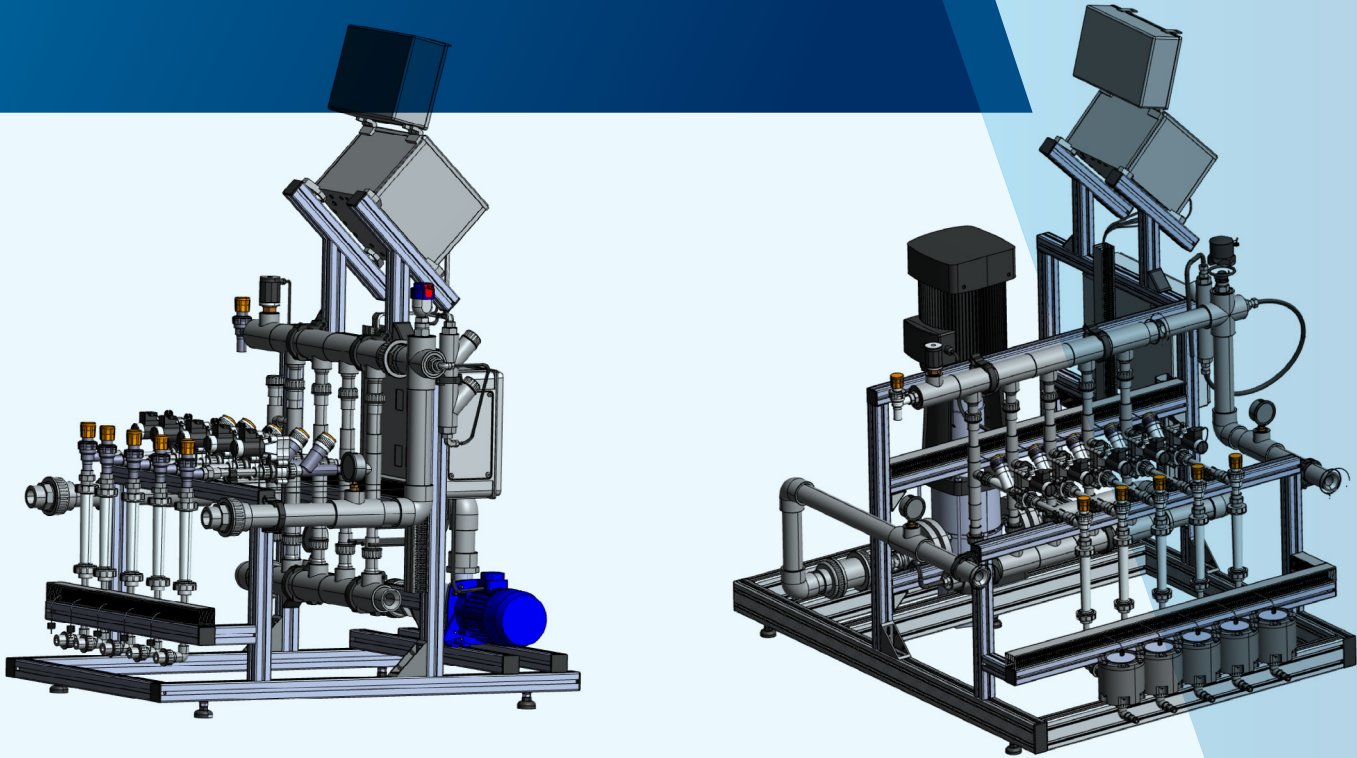


## We believe in quality

The production plan is a Quality-audited ISO-9001. We are committed to promoting improvement to ensure the future quality of products and state of the art innovation to ensure our clients they are getting the best water filtration solutions.



# Nutrikit By-Pass and High Flow



NUTRIKIT BYPASS ^

NUTRIKIT HIGH-FLOW ^

Nutrikit Bypass is designed to provide accurate fertilizer and acid control with minimum expenses and intervention. The system is suitable for flow rates of up to 400m3/h. Each dosing channel is equipped with a visual flow meter and can deliver 50-1000 l/h of fertilizer or acid. EC & pH measurement and control is optional and can be easily added to the system.

## Benefits

- » Significant improvement in crop quality and yield
- » Reduction of fertilizer and energy consumption
- » System Reliability and Longevity
- » Easy to install and maintain system
- » Rapid Return On Investment due to accuracy and fertilizer saving
- » EC & pH Measurement and Control In-house Development
- » User Friendly Fertigation Controllers
- » Covering wide range of applications from 0.1Ha to 400Ha of Open fields, Orchards, Greenhouses Etc’
- » After Sales Service
- » Two years warranty

## Features

- » Modular Nutrigation system
- » Built around Aluminum platform
- » Minimal investment requirement
- » Quantitative or proportional Fertigation capabilities
- » Accurate EC and pH control
- » Minimum maintenance required - Venturi injectors with no moving parts
- » Highly accurate dosing channels
- » Fast and efficient Fertigation recipe adjustments
- » Manual or fully automated operations
- » Easy integration into existing irrigation systems with third-party irrigation controllers

## System components

- » Quick-action dosing valves: 0.4sec on/off time
- » High-quality PVC fittings
- » Aluminum, corrosion-resistant frame with adjustable legs
- » Standard Booster pumps: Lowara & Ebara
- » Optional booster pump: according customer request

Type	Venturi flow rate	Dosing valve	Optional - Fertilizer Meter
Electric	l/h 600 50-	FIP S-12	"½ ARAD KD ½" or ARAD SF
	600-1,000l/h	FIP S-22	"¾ ARAD PB
Hydraulic	50-600l/h	Amiad Normally close + Baccara solenoid	"½ ARAD KD ½" or ARAD SF
	600-1,000l/h	Amiad Normally close + Baccara solenoid	"¾ ARAD PB
Manual	50-600l/h	Without	"½ ARAD KD ½" or ARAD SF
	600-1,000l/h	Without	"¾ ARAD PB

Fertilizer & Acid dosing  
channel range

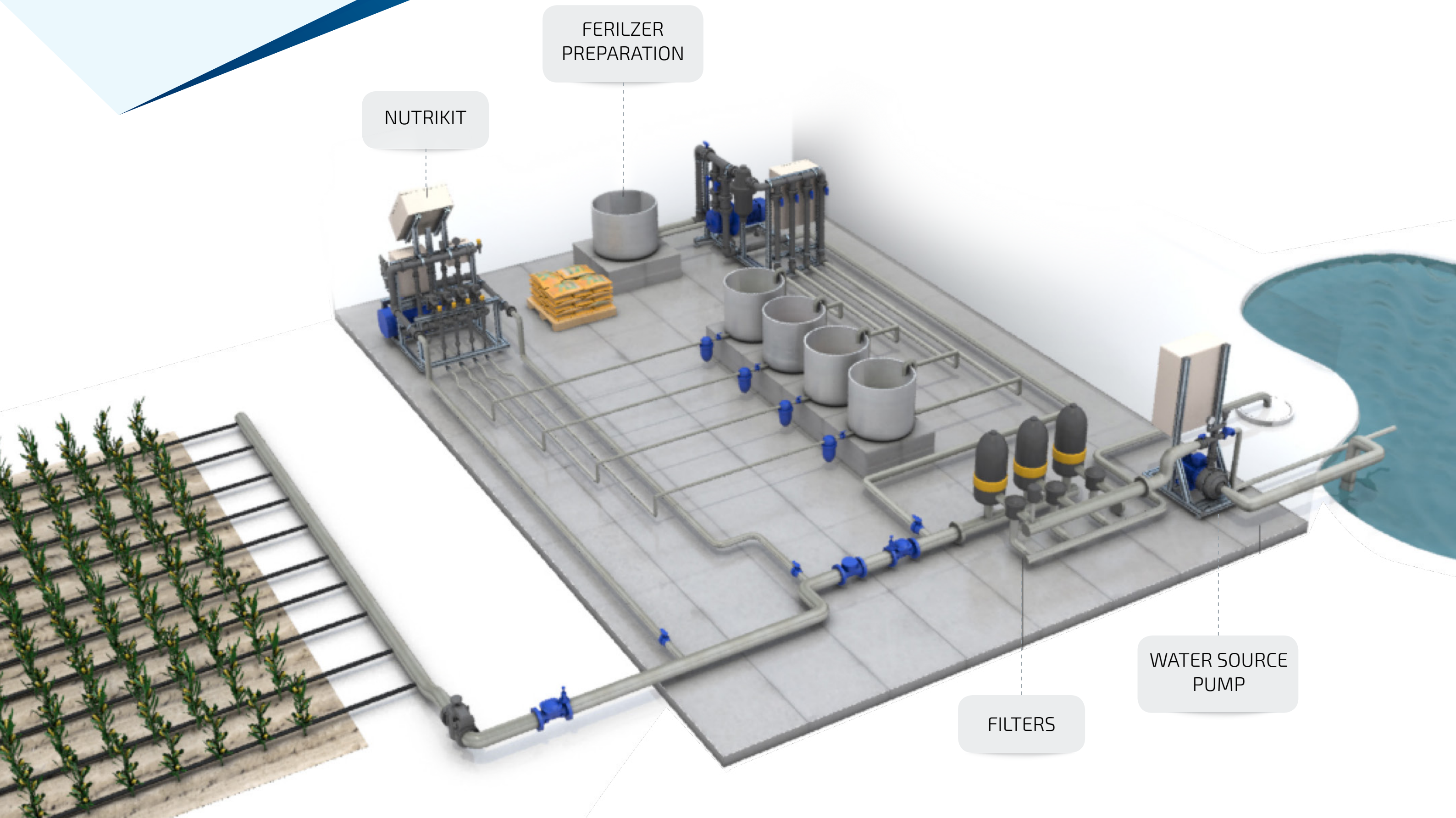
Features	Standrad	Optional
Controller	Munters Greenfiled, Munters ECO, Talgil DREAM II, Talgil Sapir, Motorola Irrinet	HORTIMAX, Third part
EC&pH Control	(Single control (1 EC Sensor and 1 pH Sensor	Dual Sensors
Main line Flow rate	0.5m³/h - 400m³/h	800m³/h with combined channels ((2*1,000l/h
Dosing channels	PVC Venturi: 50-1,000l/h Visual Area flow meter: PVC Needle valve for Venturi calibration Angle model Non-Return valve Gaskets and O-Rings: EPDM	PVDF Venturi: 50/h Gaskets and O-ring : VITON
System Pressure	Bar 5 – 2	Up to 10 Bar
Inlet/Outlet connections	Adaptor union 50*1.5" male threaded	Inlet: 1.5" Pressure reducing valve Outlet: 1.5" Pressure sustaining valve
Fertilizer channels connection	16-18mm Hose Nozzle with adaptor	

Technical Specifications



# Typical Installation

Nutrikit By-Pass & High Flow





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