



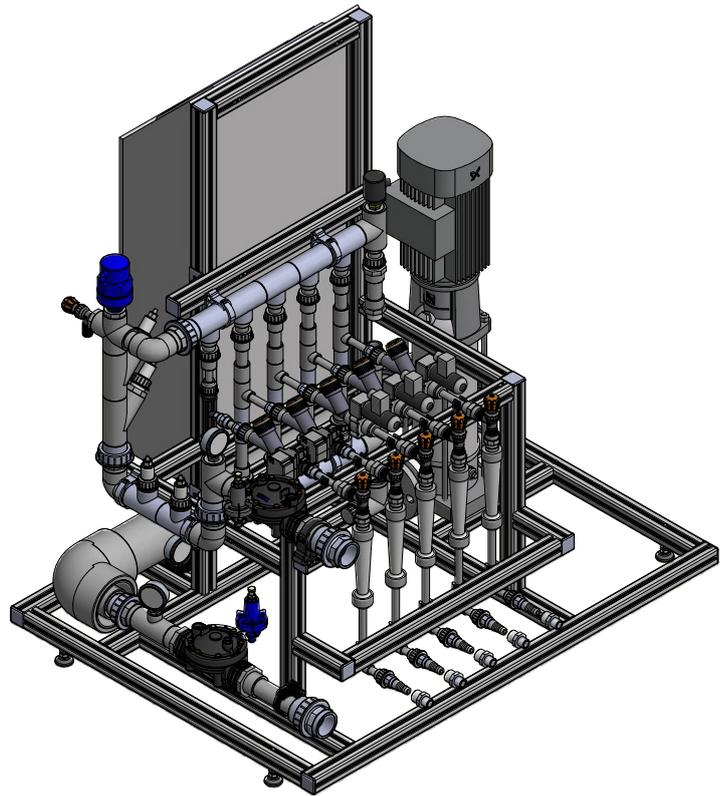
# NetaJet™ 4G

## OVERVIEW

- The NetaJet™ 4G realizes Netafim's "grow more with less" concept. Based on Netafim's unique Nutrigation™ technology, it controls the amount of water and fertilizers used, optimizing resource utilization for each specific land type and crop.
- Extremely accurate and reliable, prevents water and fertilizer waste while reducing environmental pollution.
- Ensures very precise and homogeneous nutrient dosing for greenhouse crops.
- Modular CE-compliant dosing system that easily integrates with multiple Netafim™ and third-party control and monitoring systems.
- Always injects a uniform quantity of nutrients while performing perfect EC and pH control.
- Can accommodate a wide variety of dosing channels for fertilizer and concentrated/diluted acid.
- Accommodates a variety of system pumps, peripherals and accessories to meet a vast range of applications and infrastructure constraints.

## HIGHLIGHTS

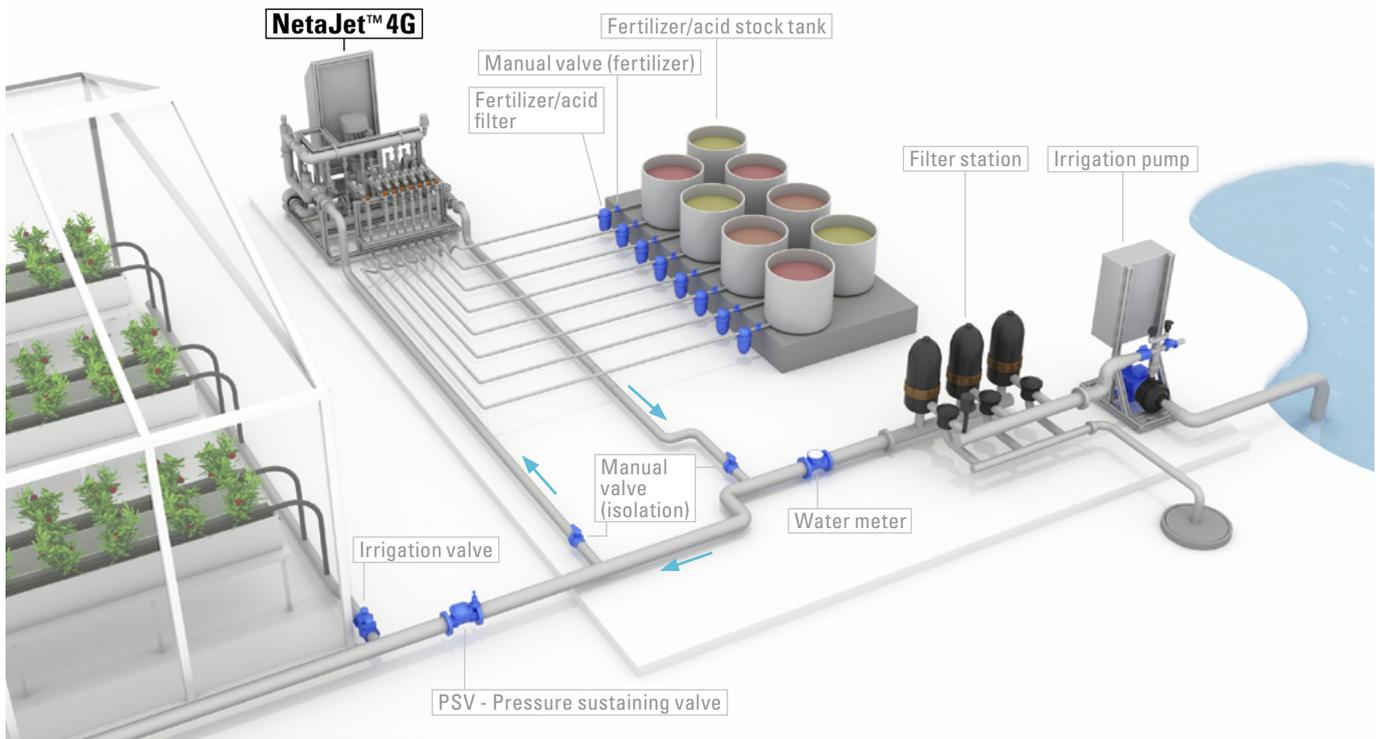
- Equipped with the Netafim™ unique innovative analog dosing channels for very accurate and reliable EC/pH control (see description on [page 4](#)).
- Provides fast and accurate fertilizer and acid control
- State-of-the-art technology with unique static mixing chamber
- Very short control cycle
- Efficient water, fertilizer and energy consumption
- Guaranteed EC and pH control
- Almost completely maintenance-free Venturi operations – no moving parts
- Highly accurate dosing channels
- Fast and efficient Nutrigation™ recipe adjustments
- Multi-lingual capabilities
- Extensive experience with more than 1000 units sold around the globe
- Made by Netafim™



## BENEFITS

- Easy to install and maintain system
- In-house developed offering
- Versatile flow capacity
- Covers all applications ranging from greenhouse in soil, to very intensive soilless media
- Requires minimal investment with rapid ROI

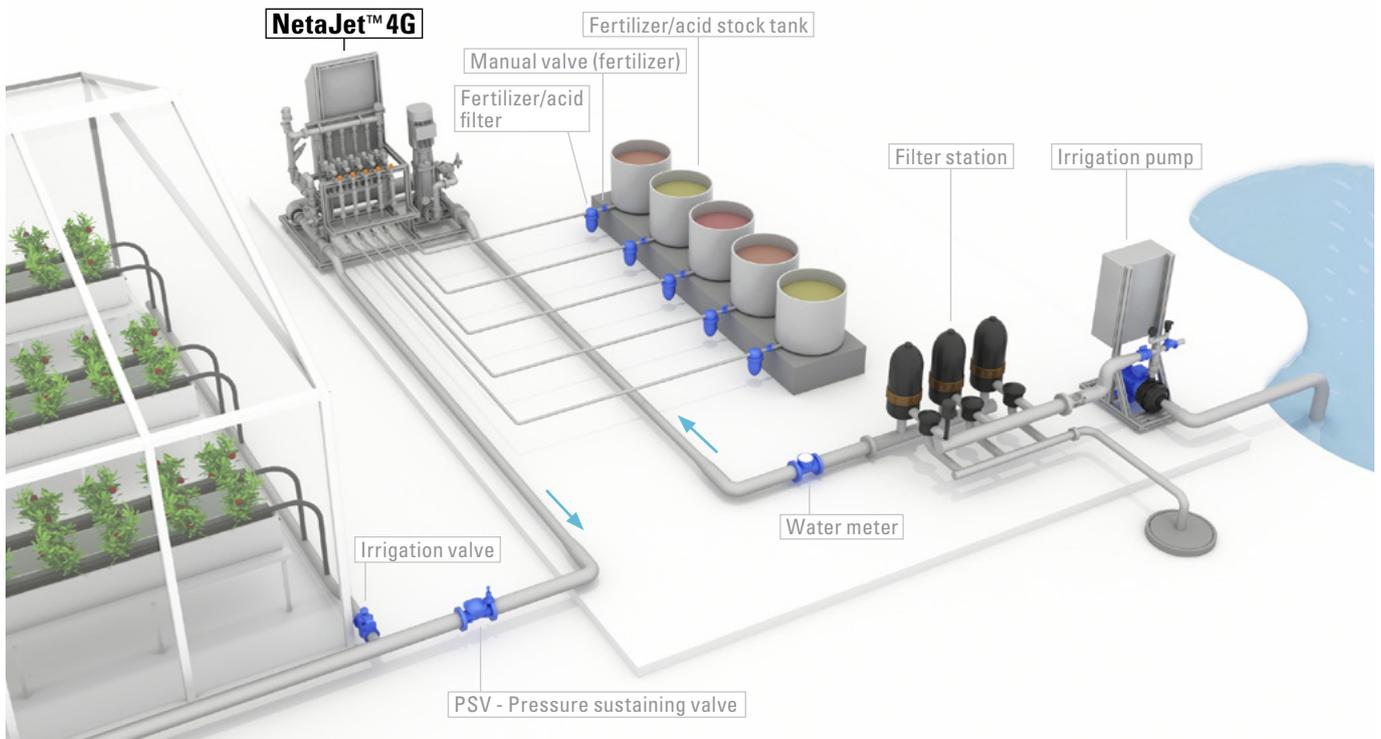
## BP PL, OCTA, HIGH-FLOW MODES - Bypass systems for pressurized line water source



| MODE         | SUITABLE FOR MAIN LINE                         |   | DOSING CHANNELS                         |
|--------------|--|---|---|
|              | FLOW RATE                                      | PRESSURE RANGE  |   |
| <b>BP PL</b> | 20 - 120 m <sup>3</sup> /h<br>(90 - 500 GPM)   | <b>Standard:</b><br>2.5 - 5.8 bar (36.5 - 84.0 PSI)       | Up to 5 x 50 - 600 l/hr (13 - 158 GPH)  |
| <b>Octa</b>  |  |   | Up to 8 x 50 - 600 l/hr (13 - 158 GPH)  |
| <b>HF</b>    | 80 - 400 m <sup>3</sup> /h<br>(350 - 1760 GPM) | <b>High pressure:</b><br>5.8 - 7.5 bar (84.0 - 108.5 PSI) | Up to 5 x 50 - 1000 l/hr (13 - 265 GPH) |

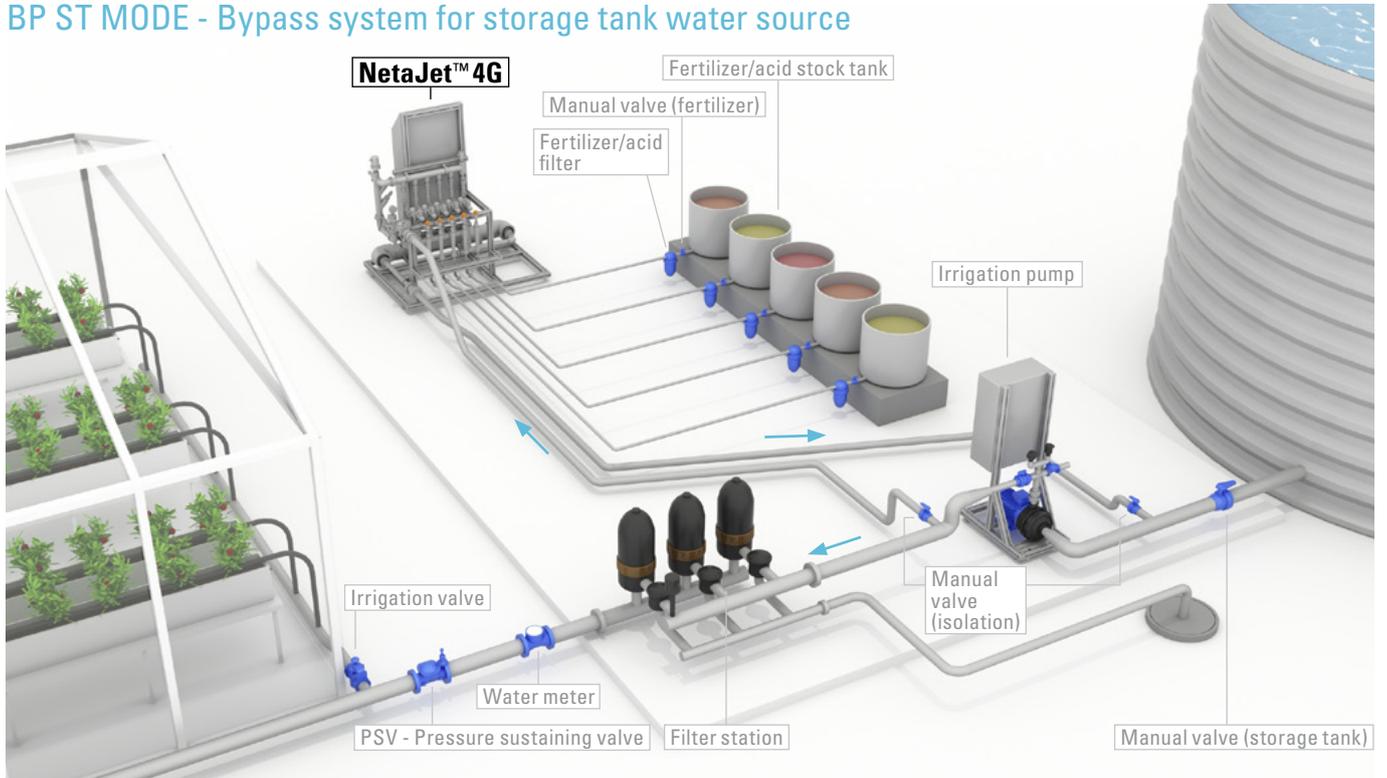
\*Flow limitation depends on the fertilizer injection rate and the size of the venturis.

## IL PL MODE - Inline system for pressurized line water source



| MODE         | SUITABLE FOR MAIN LINE                 |  | DOSING CHANNELS                           |
|--------------|--|--|---|
|              | FLOW RATE                              | PRESSURE RANGE   |   |
| <b>IL PL</b> | Up to 20 m <sup>3</sup> /h<br>(90 GPM) | <b>Standard:</b> 2.5 - 5.8 bar (36.5 - 84.0 PSI)<br><b>High pressure:</b> 5.8 - 7.5 bar (84.0 - 108.5 PSI) | Up to 5 x 50 - 400 l/hr<br>(13 - 105 GPH) |

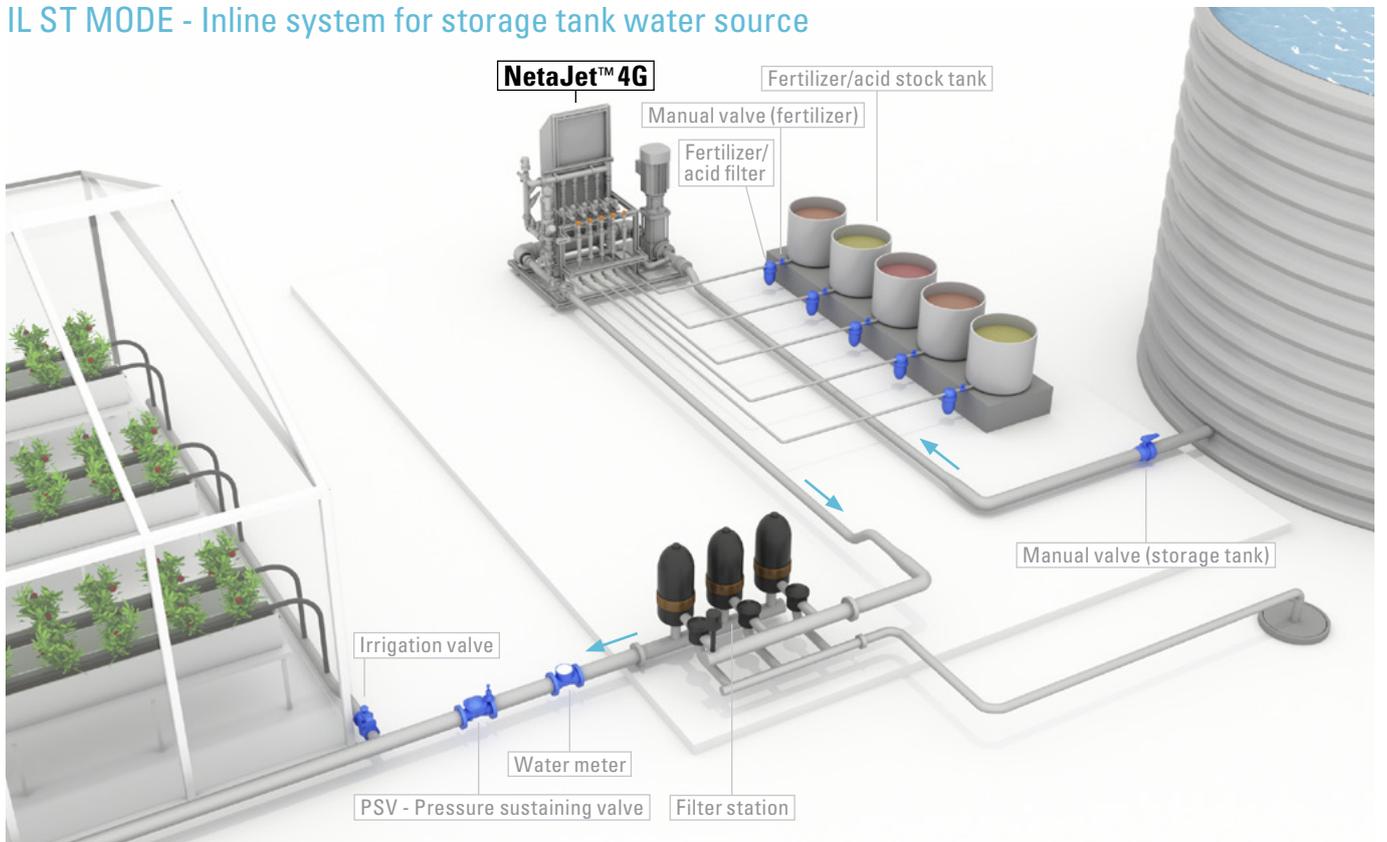
## BP ST MODE - Bypass system for storage tank water source



| MODE         | SUITABLE FOR MAIN LINE                    |  | DOSING CHANNELS                        |
|--------------|---|--|--|
|              | FLOW RATE                                 | PRESSURE RANGE   |  |
| <b>BP ST</b> | 15 - 100 m <sup>3</sup> /h (66 - 440 GPM) | <b>Upstream from the pump:</b><br>0 – 0.5 bar (0 – 7.25 PSI) | Up to 5 x 50 - 600 l/hr (13 - 158 GPH) |

\*Flow limitation depends on the fertilizer injection rate and the size of the venturis.

## IL ST MODE - Inline system for storage tank water source



| MODE         | SUITABLE FOR MAIN LINE              |  | DOSING CHANNELS                        |
|--------------|-------------------------------------|--|--|
|              | FLOW RATE                           | PRESSURE RANGE   |  |
| <b>IL ST</b> | Up to 20 m <sup>3</sup> /h (90 GPM) | <b>Upstream from the pump:</b><br>0 – 0.5 bar (0 – 7.25 PSI) | Up to 5 x 50 - 400 l/hr (13 - 105 GPH) |



## COMPONENTS

- HydroMix static mixing chamber
- A compensation channel with a pressure regulator
- Factory installed PRV at the inlet and a PSV at the outlet
- Selectable analog dosing channels
- Dual EC/pH monitoring and control
- Quick-action dosing valves
- Wide range of integrated accessories and peripherals
- High-quality components and PVC piping
- Aluminum, corrosion-resistant frame with adjustable legs

## ANALOG DOSING CHANNEL

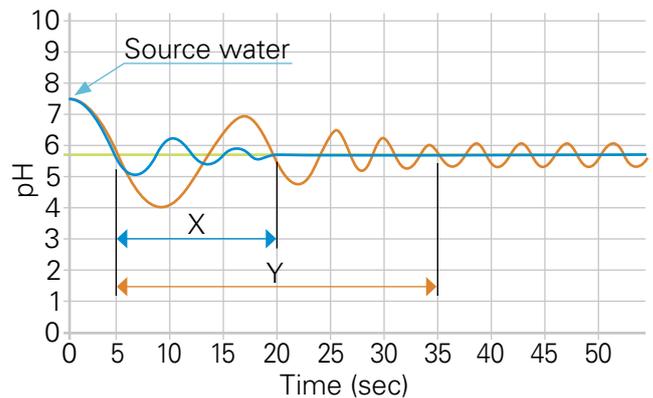
The NetaJet™ 4G is the first fertilizer dosing system equipped with the Netafim™ unique innovative analog dosing channel, the long-time awaited solution for very accurate and reliable EC/pH control for Nutrigation™ of greenhouse high-value crops.

The analog dosing channel is equipped with a servo motor able of continuous variable opening from 0 to 100%. This unique feature allows unprecedented precise and seamless Nutrigation™.

## ADVANTAGES

- High precision
- Smooth and stable hydraulic operation
- No fluctuations
- Fast EC/pH set-point reaching
- Short stabilization time
- Enables short Nutrigation™ cycles
- No risk of cavitation damage to the booster

## PERFORMANCES: DIGITAL (ON/OFF) VS. ANALOG DOSING CHANNEL



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

## STABILIZATION TIME

- X = Analog (continuous-variable) dosing channel
- Y = Digital (pulsating) dosing channel

To select the suitable NetaJet™ for your project, see the online configurator at: <https://cmtconfig.netafim.com>.

For more information, including user and installation manual, please login at:

<https://www.netafim.com/product-category/multi---channel-injection-automated>