PRIVA NutriJet
Efficient dosing via direct injection of fertilizer

For healthy growth of the crop, it is of great importance to use the correct dosing system for the required fertilizers. The Priva NutriJet is an attractive alternative to a mixing tank system. The NutriJet injects the fertilizer solution directly in the mainstream irrigation water. This process is reflected in the crop quality and production yield. A major advantage is that an extra fresh water pump is not necessary. The Priva NutriJet allows injecting up to ten fertilizer solutions simultaneously.

Safe and Reliable
Dissolved fertilizers are injected from the fertilizer tanks and mixed in mixing chambers with irrigation water. The result is a highly concentrated solution, injected into the irrigation line where it is diluted with the mainstream to the desired concentration.

The dual EC and pH measurements provide maximum reliability. The entire process can be controlled by a Priva process computer and possibly also by a process computer of a different brand. The operating system for the NutriJet is available in a variety of languages.

Flexible and Efficient
The NutriJet can be used with overhead or drip irrigation and ebb and flood systems, indoor or outdoor equally well. The system design allows either In-line or By-pass configurations. The NutriJet is available in several sizes and capacities from approximately 5 m³/hour to over 80 m³/hour – with higher flow rates available to order.

The fertilizer injectors are adapted to the desired capacity. Because the NutriJet uses only one pump, the system is more energy efficient. The Priva NutriJet is easy to integrate into existing configurations and has a very attractive price per performance ratio, which is even more attractive when it will be applied in a By-pass configuration.

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Safe and Reliable
Flexible and Efficient
Durable and Low Maintenance

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Durable and Low Maintenance

NutriJet systems are extremely durable and require very little maintenance. The system is made of stainless steel and sustainable plastics and the number of moving parts is kept to a minimum as a result of the use of venturi dosing.

Advantages

- Efficient direct fertilizer dosing for all types of crop
- Flexible choice in pump and number of fertilizers
- Accurate and reliable
- Long shelf life
- Compact system
- Constructed from durable materials
- Fault insensitive
- Various expansion options
- Lowest cost per m³

Specifications

- Dosing in a mixing chamber
- One or two mixing chambers with up to 5 dosing channels each
- Capacity 5-80 m³/hour in In-line layout
- Capacity above 100 m³/hour in By-pass layout
- Efficiently recipe exchange by small volume
- Dual EC and pH measurements for maximum reliability
- 1-10 dosing channels; 300 or 600 litres/hour

Main Functions

Irrigation functions from the Priva process computer operating program library, such as:

Measurements

- Total water consumption, EC and pH logging per valve
- Drain quantity and logging
- Volume measurement
- Light or radiation measurement

Irrigation Control

- Fertilizer recipes
- EC pre-control option
- Large number of starting conditions
- Water and fertilizer stock control
- Rinse valves
- Rotation of valves

Management

- Extensive insight into all measurements, control functions and alarm situations
- PC connection to Priva Office Direct for registration and operation