



Priva NutriFlex

Smart, flexible and accurate fertilizer dosing



Precise application of water and nutrients is critical to good crop performance. The Priva NutriFlex ensures that crops are provided with the correct fertilizers at every watering. This ensures optimum growth: higher yields, improved colour and flavour, longer shelf life and increased disease resistance. Practical experience has shown that with the use of the Priva NutriFlex a higher yield per m² is reached.

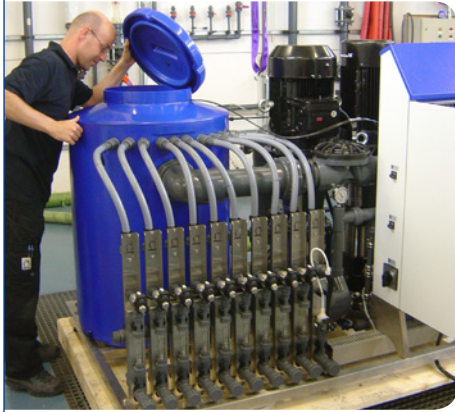
Safe and reliable

The basic principle is simple. Fertilizer tanks are connected to the Priva NutriFlex. These contain soluble fertilizers dissolved in water. The dissolved fertilizers are injected into the NutriFlex mixing tank, where they are mixed with water and evenly pumped to the crop. The NutriFlex can mix a maximum of ten solutions simultaneously, e.g. nine fertilizer solutions and one acid/lye solution. 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 NutriFlex is available in a variety of languages.

Flexible and efficient

The NutriFlex can be used with overhead or drip irrigation and ebb and flood systems. The acidity can be adjusted with acid or lye. This makes the NutriFlex extremely suitable for applications of soilless growth systems. The system is available in a range from 10 up to 80 cubic metres per hour. Within these capacities, a number of system pressures are available. The Priva NutriFlex is easy to integrate into existing configurations and provide efficient solutions for any size of business. With deployment of the Priva NutriFlex will be realized a 'more' production of 15 per cent.





Durable and low maintenance

NutriFlex 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 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 tank
- Capacity 10 to 80 m³/hour
- Greater capacity on request
- Dual EC and pH measurements for maximum reliability
- 300 litre tank
- 1-10 dosing channels; up to 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

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