



HortiMaX FertiMiX 500

- Superior fertigation control
- Numerous setting options and suitable for all types of recirculation
- Fertilisers drawn from up to eight fertiliser tanks at once

Powerful unit for advanced fertigation



Preparing a precise blend of water and nutrients is key to growing healthy and productive crops. This requires a system that you can depend on day after day. Breakdowns are not only time consuming, but also spell disaster for your crop. HortiMaX knows this as no other and offers a wide range of water units, all of which can be customised to the specific needs of your business.

Maximum control

HortiMaX water units are controlled by a process computer. A water unit combined with a HortiMaX computer ensures excellent ease of use and flexible control. So why not let the water work for you with a HortiMaX water unit.

FertiMiX units

The FertiMiX line of water units have become a household name in the industry, thanks to their clever design and accurate and reliable operation. The capacities of the FertiMiX units range from 5 to 180 m³/hour and all utilise soft starters. Every pump is equipped with a temperature safeguard. Optionally, a FertiMiX unit can also be fitted with the following:

- Frequency controllers
- Filling pumps
- Pre-blending valves
- Sand filters or automatic filters

In addition to an acid dosing module, a FertiMiX unit can be equipped with a lye dosing module.

FertiMiX 500

The FertiMiX 500 provides superior fertigation control, allowing you implement even the most complicated fertigation strategies with minimum effort. The well thought-out design of the mixing tank unit ensures that the desired recipe is prepared with the utmost precision, regardless of the specific fertilisers used. The FertiMiX 500 enables fertilisers to be dosed from no fewer than eight fertiliser tanks, in any required ratio. The system even lets you add other substances, such as pest control agents, to the fertigation mixture. Thanks to its many configuration options, the FertiMiX 500 can be tailored to the exact needs of your operation. The standard model of the FertiMiX 500 is equipped with the Aqua 500 process computer. The Aqua 500 is able to control 20 valves, which can be assigned to three valve groups. This can be expanded to a maximum of 256 valves and 20 groups. The FertiMiX 500 also allows you to control the quantity of drain water and reuse it based on the EC value. Since the Aqua 500 computer can control up to four system pumps, it's especially suitable for use with day storage tanks and large operations with a number of mixing tank systems. A single Aqua 500 computer can control up to four FertiMiX 500 units.

A wide range of start options

Standard start options include a manual start, cyclic start, radiation start and contact start. Other options that may be added are starts based on substrate water content, substrate weight or tensiometer readings. In order to thrive, your crop needs a carefully balanced blend of fertilisers. That's why the FertiMiX 500 provides optimum control of the EC value of your irrigation water. This includes the ability to automatically adjust the EC value of the irrigation water based on the amount of solar radiation or the EC level of the substrate or drain water. In short, the FertiMiX 500 puts you in full control of your crop's root environment. Setting up all these options is a breeze with the FertiMiX 500, which can also be operated from a PC with the Synopta® software. This software even lets you monitor what's happening in your glasshouse remotely.

The FertiMiX 500 includes the following control features:

- Up to 256 valves
- Up to 20 valve groups
- Fertigation with up to 4 valves at once
- Start options:
 - Time start
 - Contact start
 - Manual start
 - Radiation start
 - Start based on water content
- Start based on substrate weight
- Tensio start
- Radiation influence on EC control (optional)
- EC influence of substrate or drain water on EC control (optional)
- Control and reuse of drain water based on EC value
- Various other options

The FertiMiX 500 can be customised to your specific needs and capacity requirements.