

# Aqua 500



- Reliable, high-quality design
- Optimum fertigation control
- Suitable for all recirculation applications
- Extensive setting options
- Fertilizers can be drawn from 8 tanks at once
- Excellent after-sales support



## Mixing of water and fertilizers

The Aqua 500 provides you with optimum fertigation control and enables you to manage complicated water management strategies in an instant. The Aqua 500 ensures that your crops consistently receive the exact amounts of water and fertilizers they need. Also, thanks to its many configuration options, the Aqua 500 can be fully customized to your company's unique requirements.



# Aqua 500

- Up to 256 valves
- Up to 20 valve groups
- Irrigation using up to 4 valves at once
- 4 time periods
- Starts:
  - Time start
  - Contact start
  - Manual start
  - Radiation start
  - Start based on substrate water content
  - Start based on substrate weight
  - Tensiometer start
- Radiation influence on EC control (optional)
- Substrate EC or drain EC influence EC control (optional)
- Drain quantity control and re-use based on EC pre-mixing
- And many more.

The Aqua 500 regulates one of the main processes in your greenhouse: the mixing of water and fertilizers. The Aqua 500 can control both a direct injection system and a mixing tank system. The unit can dose nutrients from up to 8 fertilizer tanks at once, in any ratio required.

Depending on your needs, the Aqua 500 can work with either solid or liquid fertilizers.

Combined with the HortiMaX FertiFill A/B tank unit, the Aqua 500 provides trouble-free dosing control of liquid fertilizers. It is also possible to mix additional substances, such as crop protection agents.

The standard Aqua 500 model enables you to control up to 20 valves, divided among 3 valve groups. This can be expanded, as required, to a maximum of 256 valves in 20 valve groups. The Aqua 500 also allows you control the quantity of drain water or recycle it based on EC. The Aqua 500 process computer is able to control up to four independent pumping units simultaneously. As a result, this computer is particularly suitable for working with day storage tanks at large sites, where various irrigation systems are installed.

The Aqua 500 features an extensive and state-of-the-art range of starting options, including manual starts, cyclic starts, radiation starts and contact starts as standard options. You can also add other starting options, such as starts based on substrate water content, substrate weight or tensiometer readings.

Since crops not only require water, but also specific fertilizers, the Aqua 500 gives you maximum control over the EC level of the irrigation water. This includes standard options which allow the EC level of the irrigation water to be adjusted automatically based on radiation or the EC level of the substrate or the drain water. In short, the Aqua 500 enables you to control every aspect of the root environment.

Worried about setting all of these options? No need with the Aqua 500. Every setting and readout is shown on your PC using the Synopta® software or Pocket PC and Pocket Synopta®. The latter means that you can keep track of the fertigation processes in your greenhouse from any location.



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