

Aqua 300

- Suitable for most crops
- Reliable, state-of-the-art design
- Optimum fertigation control
- For all irrigation application methods
- Extensive setting options
- Excellent After-Sales Support



Ensures the Right Amount of Water and Nutrients at the Right Times

For Inside or Outside Fertigation. The Aqua 300 is highly suitable for controlling various methods of indoor and outdoor irrigation, fogging or drip irrigation, involving hydroponics or soil-based culture. The Aqua 300 ensures your crops receive the correct amount of water, at the correct times and with the correct blend of nutrients. Thanks to its many configuration options, the Aqua 300 can be tailored to the exact needs of your nursery or greenhouse application.

HortiMax
growing solutions



Aqua 300

Aqua 300 Features:

- Up to 100 irrigation valves
- Up to 10 valve groups
- Up to 4 valves operating simultaneously
- Pre-rinsing and post rinsing
- Night frost protection
- Start options:
 - Time start
 - Contact start
 - Manual start
 - Radiation start (optional)
- Radiation influence on EC control (optional)

Additional features in the v4 software upgrade:

- Up to 6 valves operated simultaneously
- An alternative time start
- Open 1st valve delay
- One additional valve group
- A more accurate output readout specially suited to weighing scale readouts
- A measurement-based adjustment of the irrigation volume (slab weight, for instance)
- A second system pump

The Aqua 300 is specially designed to control both direct injection and mixing tank systems.

The unit enables you to dose fertilizers from up to 3 tanks at once, in any ratio required. Regardless of whether you work with compound fertilizers or simple fertilizers, the Aqua 300 will create the mixture you need in no time at all. The Aqua 300 can be fitted with two EC and two pH sensors, so you can constantly monitor the quality and composition of your irrigation water. The Aqua 300 features an easy to operate user interface. Thanks to its full range of options, the Aqua 300 has become a household name throughout the industry. The standard model enables you to operate 20 valves, divided among 3 valve groups. This can be expanded to 100 valves among 10 valve groups.

Irrigation Strategy

All irrigation settings are stored independently of the valves in so-called irrigation programs. You link these irrigation programs to valve groups which create your own customized irrigation strategies. The main benefit of this method is that you only have to enter the settings of a particular irrigation strategy once. If you want to change your irrigation strategy later, you simply link the valve group to another irrigation program.

The Aqua 300 offers a wide range of options to initiate irrigation, including a time start, contact start, manual start and a start based on radiation sum (if a radiation sensor is present). Additional functions include pre-crop rinsing and post crop rinsing and night frost protection.

The Aqua 300 has a modular structure. The following modules are available:

- MA-20k for Additional Valves
- MA-EC for EC Control
- MA-pH for pH Control
- MA-ST for Control and Extra Starts Based on Weather Data
- MA-GR for Additional Groups and Irrigation Programs

Combined with v4 Software Upgrade the MA-AOE module offers the following control features:

- Filter rinsing
- Unit rinsing
- Mixing tank draining
- EC pre-mixing
- Stirrers in the fertilizer tanks
- Dosing of 8 (instead of 3) different fertilizers and fertilizer dosing pump control

The Aqua 300 is easy to program thanks to its eight-line display and menu-driven structure. There is also a Help function which provides help on each setting and readout. The Aqua 300 can also be operated from your PC using the Synopta® program or Pocket PC and Pocket Synopta®. The latter enables you to keep up to date on the status of your fertigation processes from any location.

More Information?

For more information, please contact HortiMaX at +31 (0)15 362 03 00 or one of our local dealers near you. You can also visit our website at www.hortimax.com.

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