FertiMiX Series

Solution for plant nutrition and fertigation

The right solution in plant nutrition and fertigation is available with the FertiMiX series of Ridder Growing Solutions. The FertiMiX series consists of two basic models with various options, the desired technology level, the required capacity level and available know how. These models range from simple standard units to sophisticated custom systems.

FertiMiX-Go!

The FertiMiX-Go! is ideal for growers seeking an affordable, entry-level fertigation system. This is a standard unit with limited options.



The Ridder FertiMiX-Go! is ideal for growers seeking an automatic fertilizer dosing system that is affordable and easy to use. The FertiMiX-Go! consists of a mixing tank unit that is equipped with a Ridder HortiMaX-Go! greenhouse controller. The intuitive touch screen interface opens up a whole new world of irrigation capabilities. The irrigation controls include a host of start options, fertigation recipes and up to four programmable periods.

Control of greenhouse zones

With the FertiMiX-Go!, you can even control the climate of greenhouse compartments (or 'zones'). Depending on the selected options, the unit can control up to eight climate zones.

The unit can be physically expanded with three fertilizer dosing channels, a pH dosing channel, a filling pump and a mixing valve for blending two different water types based on the EC level. Using the Meteo-Go! weather station, irrigation can be triggered automatically based on solar radiation (sunlight). It is also possible to install secondary sensors to monitor the main EC and pH readings.

Smart Switches

- Smart Switch for controlling up to four EC valves if a flow meter and two EC sensors are connected.
- Smart Switch for connecting two pH sensors and a pH valve.
- Smart Switch for switching a system pump on and off.

The FertiMiX-Go! will allow you to:

- Quickly save on water and fertilizers.
- Achieve higher yields and a fast return on investment.
- Always apply the best fertigation strategy for your needs.
- Control up to eight climate zones.

CannaTechnics
Kijckerweg 95, 2678 AC De Lier, Postbus 6, 2678 ZG De Lier
+31 (0)174 794 010, info@cannatechnics.com
www.cannatechnics.com

FertiMiX E-series



The FertiMiX E-series are standard units available in a number of capacities and feature more basic options. Thanks to their standard design, they're available quickly and very affordable.

The FertiMiX E-series are available in a number of standard models with following capacities; 15 m3/h, 30 m3/h, 60 m3/h. Additional options are available. Optional an irrigation computer is integrated for a stand alone solution.

Specifications

The basic specifications of the E-series are as follows:

- 50-60Hz
- 400-600V (3-phase, common voltages)
- Zero (Neutral)
- Ground (Earth)
- Two dosing channels
- CompactiMa I/O (can be controlled by the Ridder CX500)
- EC control sensor and temperature protection on the pump

Options

Additional options are also available for the FertiMiX E-series. These are as follows:

1. Controller
2. pH control
   - pH sensor
   - Acid dosing channel
   - Compactima module
3. Up to two extra dosing channels, customized to the desired capacity
4. EC monitor sensor
5. pH monitor sensor, fitted to the unit
6. Flow meter supplied separately
   - Operating range: 0.3 to 6m/s
   - No power supply required
   - Resistant to chemical liquids (e.g., dissolved fertilizers)
   - Includes sadle clamp

CannaTechnics
Kijckerweg 95, 2678 AC De Lier, Postbus 6, 2678 ZG De Lier
+31 (0)174 794 010, info@cannatechnics.com
www.cannatechnics.com

FertiMiX Custom

The FertiMiX Custom is a fertigation unit that is fully customized to your individual needs. It can be custom made for use in smaller up to very large areas.



In addition to the controller options, this unit offers the most comprehensive and widest range of system options. The unit can be delivered with integrated irrigation computer. It can also be connected to any type of computer.

1. Voltage
2. Grid frequency
3. Ground (Earth)
4. Zero (Neutral)
5. Altitude above sea level
6. EC module
7. pH module
8. Expansion module (additional groups)
9. Software language
10. Desired irrigation capacity
11. Maximum irrigation capacity
12. Number of liquid fertilizers to dose
13. Maximum capacity per fertilizer
14. Acid dosing
15. Alkali dosing
16. Number of relays for irrigation valves
17. VDC or VAC valves
18. EC monitor sensor
19. pH control sensor
20. pH monitor sensor
21. Filter type

If fitted with sand filter:

- Desired filtration speed
- Selected filter type
- Installation of sand filter

If fitted with fully automatic filter:

- Minimum flushing pressure

22. System pump pressure
23. System pump type
24. System pump switch type
25. Water temperature protection on system pump
26. Fill pump capacity
27. Fill pump type
28. Fill pump switch type
29. Water temperature protection on fill pump
30. Pre-blending valve
31. Additional options are available in consultation

CannaTechnics
Kijckerweg 95, 2678 AC De Lier, Postbus 6, 2678 ZG De Lier
+31 (0)174 794 010, info@cannatechnics.com
www.cannatechnics.com