



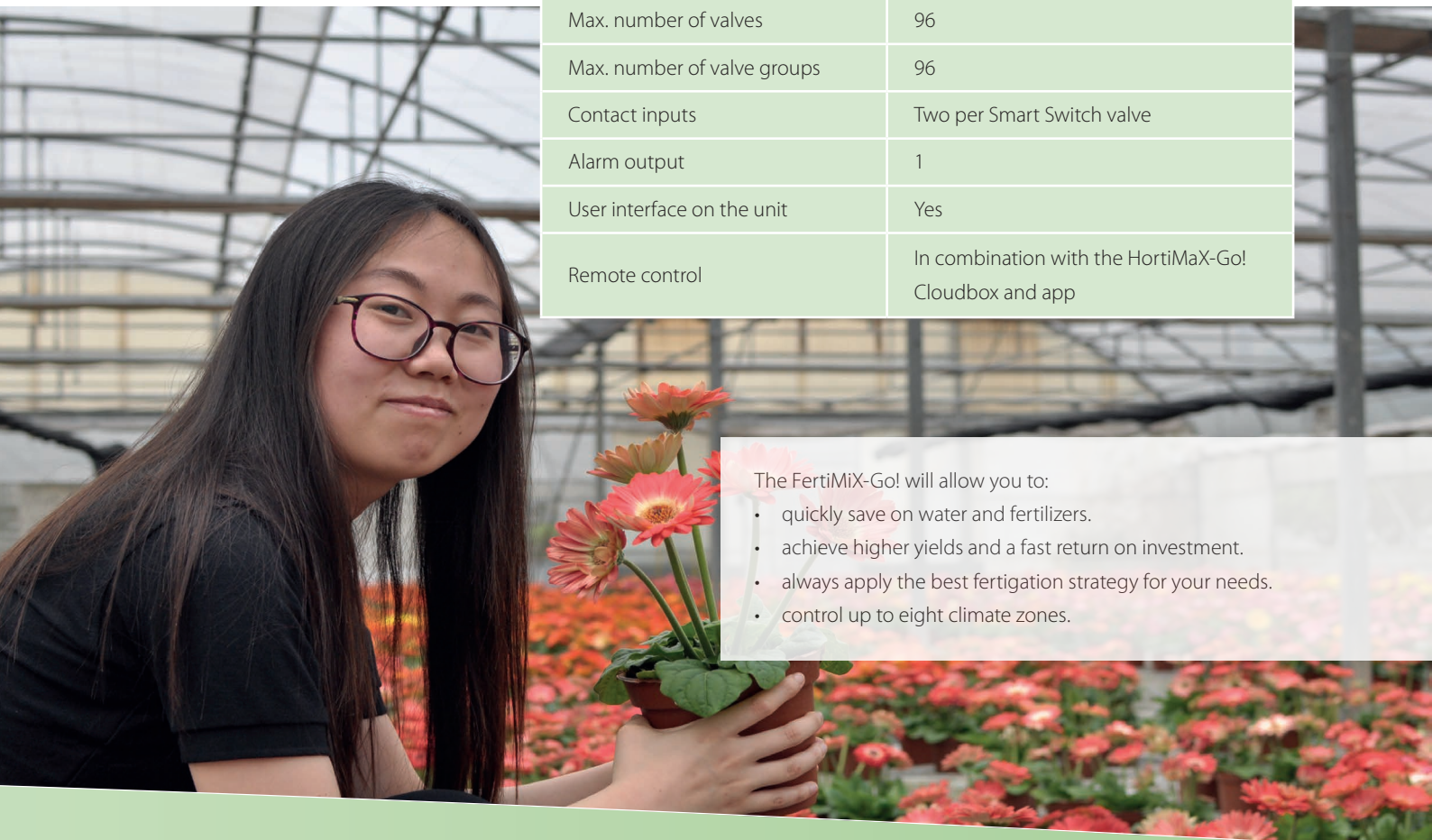
HortiMaX FertimiX-Go!
Quickly save on water and fertilizers

HortiMaX FertiMiX-Go!

The 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 HortiMaX-Go! greenhouse controller. The intuitive touchscreen 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. With the FertiMiX-Go!, you can even control the climate of greenhouse compartments (or 'climate zones'). Depending on the options selected, 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 value. 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.

Frequency	50 or 60 Hz
Voltage	230 or 400 (3-phase)
Dimensions (LxWxH) in cm	66 x 116 x 102
Mixing tank volume	100 l
Standard number of fertilizer dosing channels	1
Maximum number of fertilizer dosing channels	4
Optional pH dosing	Acid or alkali (base)
Nominal capacity m ³ /h at 4 bars	10
Max. number of valves	96
Max. number of valve groups	96
Contact inputs	Two per Smart Switch valve
Alarm output	1
User interface on the unit	Yes
Remote control	In combination with the HortiMaX-Go! Cloudbox and app



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.

Smart Switches for irrigation control

In addition to the above specifications, the FertiMiX-Go! includes the following irrigation controls as standard:



EC

Smart Switch for dosing fertilizers. The Smart Switch can be connected to up to four fertilizer dosing valves. Fertilizers can be dosed in an adjustable ratio for each period. An optional second EC sensor will enhance the reliability of the EC measurement. The Smart Switch can also be connected to a flow meter, allowing irrigation to be applied based on an adjustable volume.



pH

Smart Switch for dosing acid or alkali (base). The desired pH value can be set for each period. An optional second pH sensor will enhance the reliability of the pH measurement.



System pump

Smart Switch for switching a system pump on and off. The system pump pumps the water from the mixing tank to the crop. The Smart Switch can be connected to a low level float in the mixing tank, which switches the pump off when the mixing tank is empty. It can also be connected to a thermostat, which switches the pump off if it is in danger of overheating.

The following Smart Switches are available for controlling extra irrigation or fertigation options:

- Acid dosing (i.e. sensor and dosing channel)
- Dosing of extra fertilizers (up to three extra dosing channels, four in total)
- EC monitoring sensor
- pH monitoring sensor
- Up to 96 valves and valve groups can be connected (eight valves, eight valve groups and two contact inputs for each extra Smart Switch)
- Weather station (for starting irrigation based on the radiation sum and monitoring outside conditions)
- Climate Smart Switches

The following Smart Switches are available for controlling extra irrigation or fertigation options:



EC pre-blending

Smart Switch that operates a mixing valve to control the mixing ratio of fresh water and drain water based on the measured EC value. The desired EC value of the supply water can be set for each period.



Filling pump

Smart Switch for switching an optional filling pump on and off. The filling pump pumps water from a particular source (e.g. a water tank or reservoir) to the mixing tank. The Smart Switch can be connected to a low level float in the mixing tank, which switches the filling pump off when the mixing tank is empty. It can also be connected to a thermostat, which switches the pump off if it is in danger of overheating.



Valve card

Smart Switch for switching eight irrigation valves on and off. The number of valves can be expanded to 96. Valves can be opened individually or in groups. The Smart Switch can be connected to two start contacts, allowing irrigation by a group of valves to be triggered.

The FertiMiX-Go! includes the following options to start and stop irrigation:

	Manual start	Allows irrigation to be started via the user interface.
	Control start	Allows irrigation to be started with a contact that is connected to the Smart Switch valves. A contact start can be programmed for each period.
	Time start	<p>Allows irrigation to be started at the pre-set time. The following time starts are possible:</p> <ul style="list-style-type: none"> • Single (one time start on a specific day) • Daily (choose day(s) and times, e.g. Mon and Wed. at 10 a.m.) • Interval (every so many days at a certain time) • A total of 24 time starts can be added.
	Radiation sum start	Allows irrigation to be started based on the accumulated radiation sum. The radiation sum at which irrigation is triggered can be set for each period. This start type requires a Meteo-Go! Smart Switch.
	Cyclische start	Allows irrigation to be started at adjustable intervals within a period.
	Valve start	Allows you to manually start irrigation with one or more valves.

