For the fertigation of cultivations, we realized Evomix, a fertigation dosing unit for soilless cultivations with dosage in mixing tank.

Evomix can be configured with a horizontal or vertical axis pump and it is possible to install a variable speed drive on it, thanks to which each irrigation zone can be irrigated at the desired pressure.

For closed loop irrigation systems, Evomix can be configured to control Spagnol Drenamix, the drainage recirculation unit.

Every project has its own peculiarity, for this reason we thought about Evomix as a unit that can be configured based on your necessities, it can satisfy all your needs now and in the future as well.

Stay up-to-date: with Spagnol, your green friend!

Outlet flow rate: From 40 to 127 m^3/h .

Fertlizers dosing channels: 8 channels x 800 l/h per channel.

Valves and sensors connections:

• By normal electric cable.

- By digital S-Bus with Expansion Box. • By long distance radio comunication.

Mixing tank fertigation dosing unit.



DESIGNED&PRODUCED BY SPAGNOL



{.....Ci prendiamo cura delle cose che crescono, siamo progettisti per natura.....}



Evo Mix HH

Spagnol fertigation units are extremely versatile and can be easily configured according to the desired irrigation system: open field irrigation, hydroponic, subirrigation, open or closed loop irrigation and sub-irrigation systems.

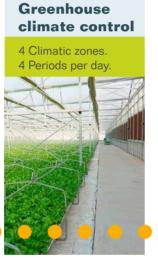
The precise and reliable dosing channels for nutrient solutions can be configured in two different ways: with visual flow meter or with electronic flow meter.

The electronic one allows to control with extreme precision and security the multichannel dosage both in total conductivity mode and in proportional mode. The crop sensors SWC (soil and substrate water content), Drenamatic and Gravimatic, as well as many other climatic sensors, can be easily connected to Evomix so as to create an integrated system for the cultivation's

management. In addition to the fertigation control, Evomix can manage the climate in the greenhouse in up to 4 climatic zones for 4 periods a day. In terms of nutrition and microclimate, it collects and processes a large amount of data and information, that can be subsequently processed to improve the production.

With Vision On-Premises and Vision Cloud services, the user has always the complete remote control of the entire system by smartphone, tablet or PC.









SPAGNOL

anvtime connected.

Outlet flow rate:	From 40 up to 127 m ³ /h.
Fertilizer dosing capacity:	Up to 800 l/h for each dosing channel.
Fertilizer dosing channels nr.	Up to 8 / with visual flow meter or electronic flow meter.
Acid/basic dosing channels nr.	Up to 2 / with visual flow meter or electronic flow meter; diluited or concentrate acid solution.
Valves command nr.	Up to 300/ irrigation valves, quantity by time or volume.
EC sensors:	1 or 2 EC sensor with temperature measurement and compensation.
pH sensors:	1 or 2 pH glass electrode sensors.
User interface:	Standard industrial keyboard + Touch screen.
Dosage type:	Total EC / proportional / combined EC+proportional / fertilizer quantity / fertilizer quantity stop.
Irrigation Programs:	150 multi-function irrigation programs.
Type of irrigation systems:	Open loop / closed loop / ebb & flood / direct irrigation / indirect irrigation.
Irrigation management:	Time / pause-work / light sum / in function of; substrate moisture, crop drainage and crop-substrate weight.
Weather station:	Weather station with sensors on demand (wind / rain / temperature / humidity / solar radiation).
Greenhouse climate management:	Up to 4 zones with 4 periods per day. Command of: vents / heatings / screens / cooling / fog / Co2 / inflation
Other programs:	Fog and antifrost system management/ filters washing / system washing.
Communication:	PC supervision by Vision On-Premises / mobile supervision by Vision Cloud.











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