

For the fertigation of cultivations, we realized Dosamix, a fertigation dosing unit for soil less cultivations with dosage in mixing tank.

Dosamix 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.

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

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Mixing tank fertigation dosing unit.

SPAGNOL DosaMix

DESIGNED&PRODUCED BY SPAGNOL

Outlet flow rate:

From 3 to 10 m³/h.

Fertilizers dosing capacity:

4 channels x 300 l/h per channel.

Valves and sensors connections:

- By normal electric cable.
- By digital S-Bus with Expansion Box.
- By long distance radio communication.



*{.....we take care of growing things,
we are designers by nature.....}*



Dosa Mix

Dosamix fertigation units are extremely versatile and can be easily configured according to the desired irrigation system: open field irrigation, soilless irrigation.

The crop sensors **SWC** (soil and substrate water content), **Drenamatic** and **Gravimatic**, as well as many other climatic sensors, can be easily connected to Dosamix so as to create an integrated system for the cultivation's management.

In addition to the fertigation control, Dosamix 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.



Vision

Everywhere and anytime connected.



Crop growing sensors

SWC, Drenamatic.
Gravimatic.



Greenhouse climate control

4 Climatic zones.
4 Periods per day.



Irrigation systems

Open.



Main technical data:

Outlet flow rate:	From 3 up to 10 m ³ /h.
Fertilizer dosing capacity:	Up to 300 l/h for each dosing channel.
Fertilizer dosing channels nr.	Up to 4 / with visual flow meter.
Acid/basic dosing channels nr.	Up to 1 / with visual flow meter.
Valves command nr.	Up to 70/ irrigation valves, irrigation by time or volume.
EC sensors:	1 sensor with temperature measurement and compensation.
pH sensors:	1 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:	40 multi-function irrigation programs.
Type of irrigation systems:	Open loop.
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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