

# PRODUCT DATASHEET

# maher

mezcla



Mixture of 2 different salinity waters



**maher**  
Smart Agrocontrollers



**MAHER MEZCLA® is a controller enables two waters of different salinity to be mixed**

### WHAT DOES IT CONTROL?

- Control 15 programs in which the electrical conductivity that the water resulting from the mixture must reach is established
- The controller will gradually open and close two motorised valves to allow more or less of each type of water to pass through



15 digital inputs for program start

15 different programs

2 motorised valves

### SPECIFICATIONS

Warnings of anomalies that have occurred in the controller: pH error, EC error, high pressure, maximum pause between irrigations exceeded due to demand, etc.

Sending commands or orders from a mobile device, for example, starting a program on the controller, stopping the program in progress, setting the unit to STOP or ACTIVE

Consult the controller from a mobile, such as checking its status

Electrical cuts in the controller can be alerted

Temperature compensation through NTC

Calibration using pushbuttons and indicator LEDs





## BENEFITS

### Installing the Maher Mix provides the following benefits:

- Poor quality water can be used (water with high salinity) since mixing it with good quality water (water with low salinity) provides water with adequate quality for irrigation
- Fertilizer can be saved if the water has very low salinity, since mixing it with other high salinity water results in water with greater conductivity, which will have to be injected with less quantity of fertilizer to obtain the desired electrical conductivity
- Drained water can be reused in hydroponic crops through recirculation systems

## OUTPUTS AND OTHER SPECIFICATIONS

- Two RS232 communication ports
- pH range: De 0 a 14
- pH signal output: De 0 a 5 V<sub>CC</sub>
- EC range: De 0 a 10 mS/cm
- EC signal output: De 0 a 5 V<sub>CC</sub>
- Deviation: 2% F.E.
- Accuracy at 25 °C: 1% F.E.

## POWER

- 230 V<sub>AC</sub> 50/60 Hz
- 115 V<sub>AC</sub> 50/60 Hz (on demand)
- 12 V<sub>DC</sub> (on demand)



**It can be easily attached to any irrigation programmer or fertigation unit, which will close one of the digital inputs of the controller in each case to start the program associated with it**



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**The most precise controller for mixing two waters  
with different electrical conductivity**

**MAHER ELECTRÓNICA**

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