

Micro Fertilizer Mixer



Micro Injector

Simple, safe and reliable

The Micro Injector has been developed as a cost effective, easy to use fertilizer mixer. It is aimed at the grower, who wants reliable automatic control of the EC and pH of his fertilizer injection and require discharge capacity of up to 80 cbm/hour.

The Micro Injector offers both accuracy and reliability, usually only found with more sophisticated, higher priced controllers.

The Micro Injector incorporates following features:

- Easy operation and installation
- Automatic EC and pH control
- Accurate dosing of fertilizer solutions through reliable maintenance free venturi valves
- Handles 2 stock tank solutions, plus acid
- Available with up to 2 recipes
- Full high/low alarm functions on both EC and pH
- Attractive, rugged, corrosion free stainless steel construction
- Main pump of stainless steel
- Choice of pumps for discharge capacities up to 80 cbm/hour
- Will connect to any existing irrigation controller



The 4-point EC sensor ensures accuracy and reliability for measurement and control. If the EC measurement should deviate between the paired electrodes, eg. due to accumulation of dirt, an alarm is activated.

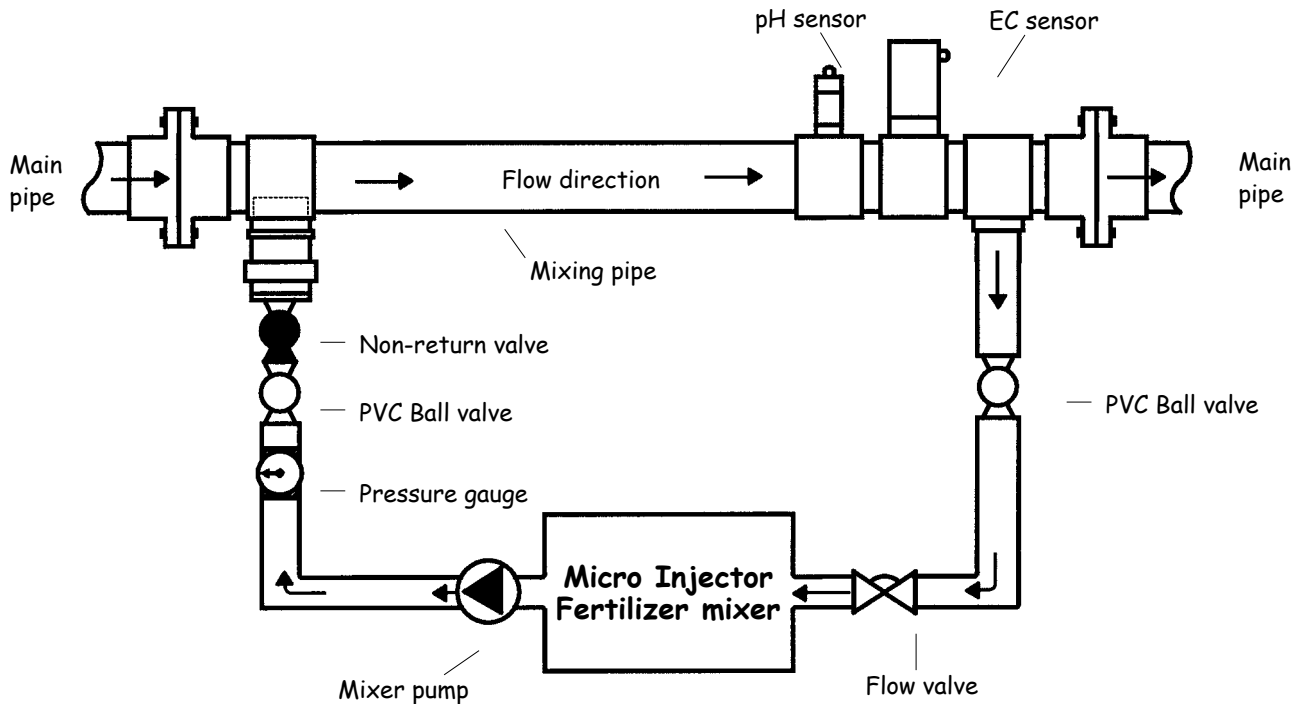


The control panel and display is simple and easy to use and makes set point entry easy.

AVsystem

A part of Danvan Group

Technical specifications:



Capacities & Dimensions

Pump Type	Capacities	Min./Max. Discharge	Length	Height	Width	Weight
Grundfos CRN 8-60	8 cbm/h at 5,5 bar	10-40 cbm/h	930 mm	1000 mm	840 mm	81 kg
Grundfos CRN 8-80	8 cbm/h at 7,3 bar	10-40 cbm/h	930 mm	1000 mm	840 mm	81 kg
Grundfos CRN 16-50	16 cbm/h at 5,8 bar	20-80 cbm/h	930 mm	1000 mm	840 mm	101 kg
Grundfos CRN 16-60	16 cbm/h at 6,8 bar	20-80 cbm/h	930 mm	1000 mm	840 mm	106 kg

Power supply:

- 3 x 380V - 50 Hz - 16 A
- Other voltages and Hz specifications are available.

Full electronic control:

- EC control 0,5-3,0 mS/cm
- pH control 4.0-9.9

Inputs:

- EC measuring
- pH measuring

Starting possibilities:

- Manual
- Pressure switch
- Irrigation controller
- Timer
- Solar integrator
- Flow regulation

Outputs:

- 1 Main pump
- 3 Dosing valves
- 1 Reservoir pump
- 1 Alarm

Data:

- Digital output of all values
- Built-in alarm
- Illuminated display
- Min. and max. alarm for EC and pH
- 4-point EC sensor with temperature compensation

