

# Micro Injector

## 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 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 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
- 2 Fertilizer 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

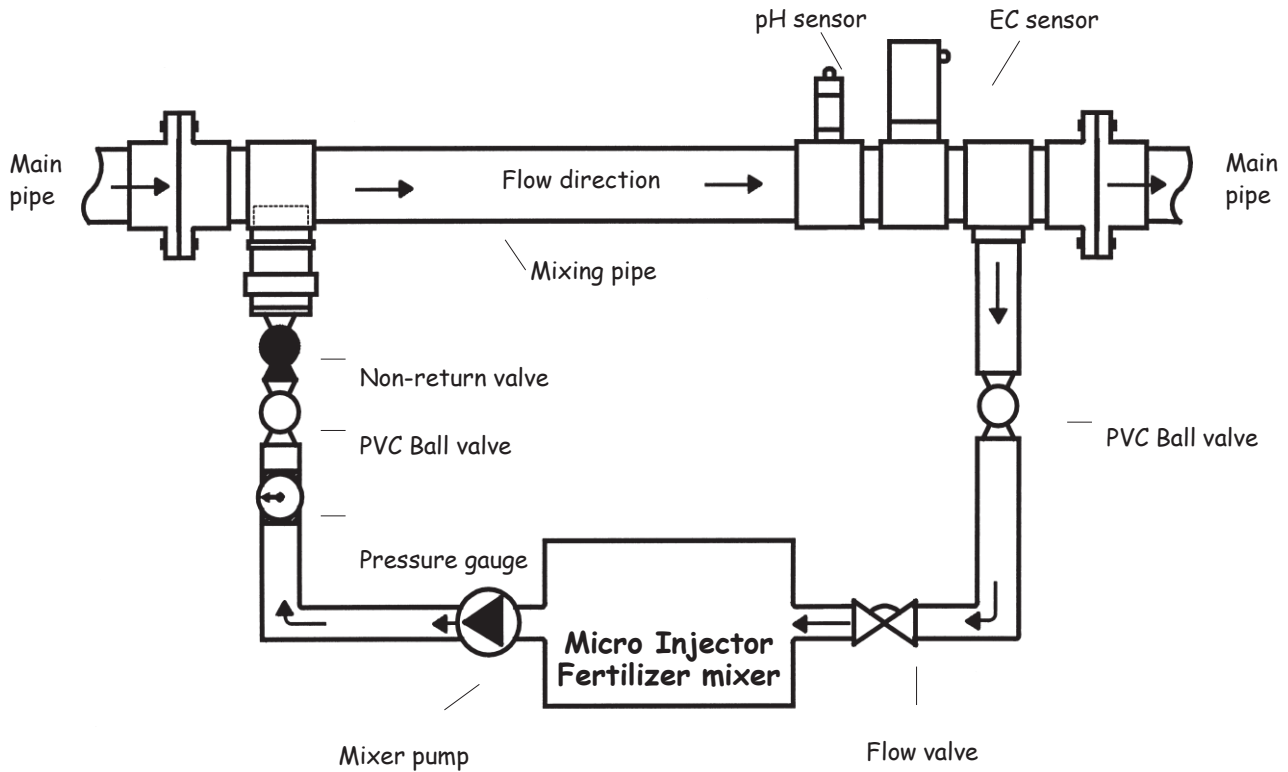


The control panel and display is simple and easy to use and makes set point entry easy.

**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 values available

#### Full electronic inputs:

- EC measuring: 0 - 4 mS
- 4-point EC sensor with temperature compensation
- pH-measuring: 4,0 - 9,9

#### Full electronic outputs:

- 1 Main pump
- 2 Dosing valves for EC
- Dosing valve for pH
- Alarm

#### Output:

- 1 External pump

#### Starting possibilities:

- Manual
- Pressure switch
- Irrigation controller
- Timer

#### Data:

- Digital output of all values
- Built-in alarm
- Illuminated display
- Automatic re-setting after power failure

#### Options:

- pH reading/control
- pH program for base
- Flow sensor
- Flow regulation
- Raw water dosing
- Solar integrator

