

1. INSTALLATION

1.1 Tank/Pump

Position where it will be easily accessible for filling, draining off excess inoculant and cleaning. For instance it could be attached to the platform railings or to the side of the harvester behind the driver's cab. **(It should not be mounted inside any of the harvester compartments where elevated temperatures would be detrimental to the survival of the inoculant bacteria.)**

1.2 Control Box

Attach to a convenient point inside the harvester cab using the fixing bracket supplied.

1.3 Nozzle

The nozzle should be placed in the lower side of the chute, approximately midway along its length, eg fit into the centre of a convenient cleaning flap. Drill a 14mm diameter hole in the centre of the flap and screw the nozzle in place, pointing up the chute once the flap is re-attached.

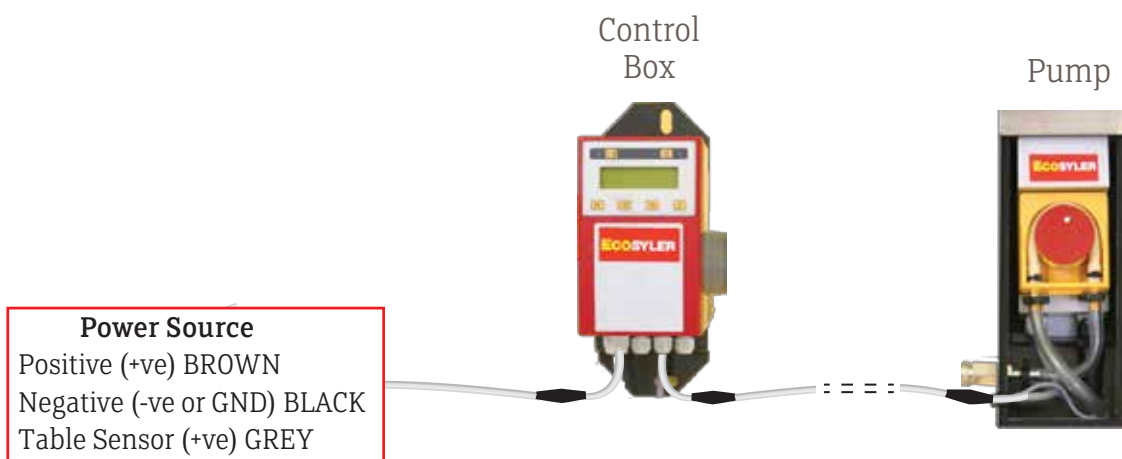


2. ELECTRICAL CONNECTIONS

1. **All connections are via quick connectors** (to couple the quick connector, line up the notch inside one end with the gap in the other end then screw the two parts together tightly using the two dimpled nuts, screwing them in opposite directions).
2. Connect the pump to the control box using the long connecting cable
3. Connect the control box to the power source

For a harvester with a table sensor - connect the control box directly to the power source according to the wiring colours shown below.

For a harvester without a table sensor - either cut off the grey wire or attach it to the positive or negative (GND) terminal.




3. TUBING CONNECTORS

Attach one end of the tubing to the pump and the other to the nozzle using the quick connectors.


4. CONFIGURATION OF THE CONTROL BOX

The control box as supplied assumes the harvester has a table sensor and that you will wire it accordingly (see above). If the control box is not connected to the table sensor the control box configuration must be changed (see main instructions, section 7.5).

5. OPERATION


With the power supply connected the control box is initially in standby mode and the green 'Power' LED on the control box flashes slowly but there is no display and the pump is not functioning. Switch on by pressing the Power key (). The green 'Power' LED on the control box illuminates continuously, all keys are active and the following information appears on the display in sequence: ECOSYLER; version number; estimated crop harvest rate (t/h).

Harvesters with a table sensor: The pump will start automatically when the table is lowered and the harvester begins harvesting the crop. It will stop when the table is lifted.

Harvesters without a table sensor: The pump is turned on and off manually using the  and  keys respectively.

All harvesters:



Pressing the  key switches the system back to STANDBY.

Pressing the  key takes you into the menu where you can reset the counter and change various applicator parameters. (See main instructions, Section 7)


5.1 Harvesting mode

When the harvester is operating the display usually shows the harvest rate in tonnes/hour (ie the rate at which forage is being lifted at that point in time) as set by the operator. This is adjusted during harvest using the dial on the side of the control box. The pump flow rate adjusts automatically to maintain the additive application rate set on the control box (Dos ml/t).

The display can also be set to show the rate of additive usage in litres/hour (see main instructions, section 7.5).

At any time during harvest the counter can be viewed (total tonnes harvested or total litres used depending on the parameter set in the control box configuration) by pressing the  key twice. Pressing the  key twice returns you to harvesting mode.

6. ALERTS

There are two alerts, both of which cause the Alert LED on the control box to flash and an audible warning which can be cancelled by pressing the  key. The display will return to normal but the red LED continues to flash until the fault is rectified. The control box display identifies the fault – low inoculant level in the tank or pump fault (see main instructions, section 6 for more information).