

## Fault Diagnosis

This information applies to all SDP applicators including tank kits, modules and DIY kits.

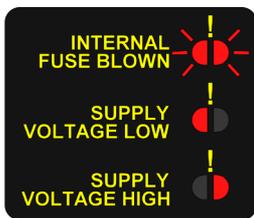
If you have a problem with the pump not running or not running as normal the following information may help diagnose the problem. Always make sure it is connected as per the user manual and check all connections, cables and pipework for damage.

The control box connection should be made so that the cable from the power goes directly to the control box 12V/DC SUPPLY side and the cable to the applicator is connected to APPLICATOR side. The negative (BLACK) cable should not be connected to ground as it is this cable that controls the speed of the motor.

Check tubing for any damage of kinks as this will restrict the flow make sure all connections, jubilee clips and filter cap are tight as if air can get into the system the pump will not prime.

## Control Box Fault indicator

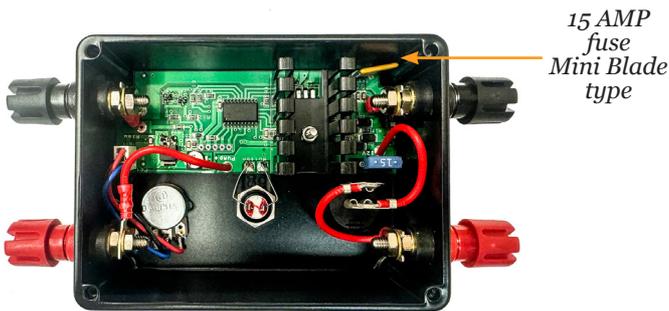
The control box fault indicator will alert you if there is a problem with the supply or if the internal fuse is blown.



If the internal fuse has blown check for reasons why this may have happened before replacing and turning the control box on. ! **Never use a higher fuse than 15 Amps.**

If the supply voltage is low check your supply and all connections. ! **Could be caused by inadequate cable or poor connections.**

If the supply voltage is high. ! **Could be caused by faulty tractor regulator or unregulated power supply.**



15 AMP fuse Mini Blade type

## Cleaning the Strainer

The strainer should be cleaned at the end of each season or if a blockage is suspected.

1. Unscrewing the clear bowl and removed the filter gauss.
2. Clean the gauss, body and bowl in clean water
3. Re-assemble and re-fit.
4. Make sure the filter bowl is tightly screwed on.



Fault	Diagnosis	Remedy
Pump will not run	Fuse blown	Check the internal control box fuse and for reasons why it has blown before replacing.
	Supply Low voltage indicator illuminated	Check supply and wiring connections
	Wires incorrectly connected or damaged	Check the wiring is connected correctly
	Seized or damaged pump motor	Contact Selmech Supplies for a new pump
Pump runs but poor or no output. Pump will not prime	Air getting in the system	Check all pipe clips are secure and the filter bowl is tight and there are no splits in the pipe work.
	Filter Blocked	Clean Filter
	Tubing kinked or split	Check tubing/remove kink and re-route tubing
	Jet blocked or wrong size jet	Clean jet or fit bigger jet
	Pump diaphragms worn out	Contact your agent or Selmech Supplies
	Tank level low or empty	Refill tank
Incorrect application rate	Incorrect calibration setting	Refer to calibration chart
	Spray jet too small	Fit larger spray jet
	Output is pulsing on and off	Pressure too high causing the pumps pressure switch to cut in. Jets too small.
One nozzle is being favoured over another	Pressure too low to open both jet body check valves	Fit larger spray jets
		Fit smaller jets in jet body to increase the pressure