



Applicator care and maintenance

To keep you applicator running trouble free we recommend the following: -

NEVER USE HIGH PRESSURE AIR OR WATER TO CLEAR A BLOCKAGE

Using high pressure air or water will damage the pipe work

FLUSH THE SYSTEM WITH CLEAN WATER AT THE END OF EACH DAY

Drain any excess additive from the tank and place clean water in the tank and run the applicator at full speed to flush any residual additive out of the system. This will stop the build up of sludge in the bottom of the tank and pipe work.

(If your harvester is wired to use the pause function you can run the applicator at full speed in static mode by plugging the power lead and pump lead together)

FLUSH THE SYSTEM WITH HOT WATER If you suspect a blockage. Hot water (not boiling) can help break down any sediment in the pipe work more effectively than cold water.

DO NOT CLEAN THE OUTSIDE OF APPLICATOR WITH HIGH PRESSURE WATER

Avoid spraying water directly at the outside of the applicator as it could get inside the motor cover and cause corrosion to the motor or electrical components.

AVOID DAMAGE TO WIRING AND PIPE WORK.

Always route pipe work and cable so they do not get worn through or pinched.

STORING YOUR APPLICATOR WHEN NOT IN USE

If not using the applicator for long periods it is important to make sure that it is thoroughly flushed through with clean water. DO NOT store with additive left in it as it will most likely cause blockages.

Store over winter completely empty where it can not be affected by freezing conditions.

Remove the two screws holding the pump housing in place and lift the pump housing up to prevent the peristaltic tube from being pinched in the one place deforming it.

It is recommended that a new peristaltic tube is fitted at the beginning of the season.

Fault finding

Pause displayed on control box	If wired for pause mode the header will normally need to be down and the forage harvester moving forward. If not the the table sensor the green/yellow wire in the power lead must be connected to a 12-volt supply with the brown wire.
Liquid is siphoning .	Check for air leaks in the system The peristaltic tube could be split The pump housing may not pressed firmly down on the peristaltic tube.
The pump is running at maximum	Make sure your harvesting rate is not set too high for the application rate. Check that the pump connector is fully pushed in to the control box. The sensor assembly should be firmly secured to the pump motor. Remove the sensor housing and make sure the magnet is secured to the motor shaft.
Pump working but no liquid being dispensed	Check the 3 way valve is in the run position. Check the peristaltic tube is being squeezed properly by the rotor in the pump housing. Check for any restriction or breaks in the tubing. Check for blockages in the system.
The control box does not power up	Check that the power cable is wired correctly. There is a 10 Amp fuse inside the control box, check that this has not blown. If it has check all the wiring before replacing. In the event of control box failure the power socket and pump plug can be connected together causing the pump to run at maximum. This will give an application rate of approximately 300 ml/minute so your additive will need to be diluted/mixed to match your harvesting rate. ONLY DO THIS IF YOU ARE SURE THAT THE PUMP IS NOT AT FAULT AND YOUR POWER LEAD IS CONNECTED TO A FUSED (MAX 10A) SUPPLY

WARRANTY

Provided installation is carried according to these instructions a warranty of 1 year from date of delivery applies. This covers faulty manufacture only and does not cover wear and tear through normal use or mechanical or chemical damage that has occurred to parts through misuse or unauthorised attempts to repair the unit. In the case of faulty manufacture, claims are limited to repair of the unit and its return to the customer.

TECHNICAL DATA

Supply Voltage	12V/DC (10.6V DC to 16.4V/DC)
Current consumption	2.8A
Fuse rating	10A
Output signal to pump	PWM approx 1.4 KHz
Dimensions of tank assembly (WxDxH)	470mm x 385mm x 630mm
Capacity of the tank	55 Litres

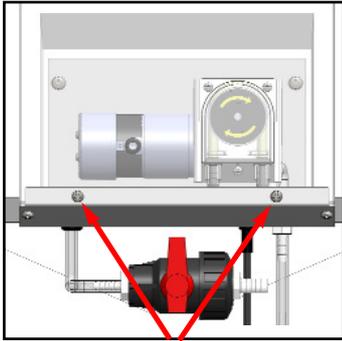
REPAIRS AND SPARES

Selmech Supplies Ltd, 19 Norton Enterprise Park, Whittle Road, Churchfields, Salisbury, Wiltshire, SP2 7YS.

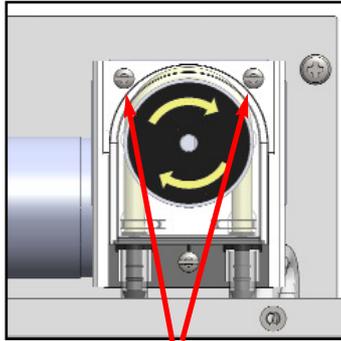
Tel: +44 (0) 1722 413 440. Email: admin@selmechsupplies.co.uk. Web: www.selmechsupplies.co.uk

Changing the peristaltic tube (Santoprene tube 4.8mm I/D x 8mm O/D x 145mm long)

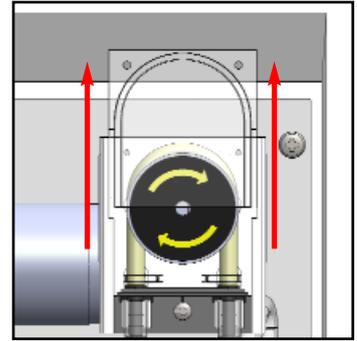
Note! On later models the spring clips are replaced by tie wraps



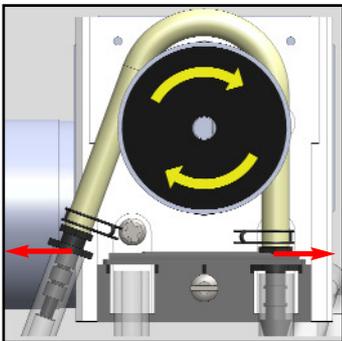
Turn 3 way valve to stop flow. Remove the 2 M5 screws holding the pump chamber cover in place and remove cover to access the pump.



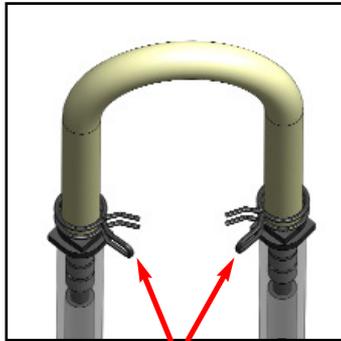
Remove the two M4 screws holding the pump housing in place.



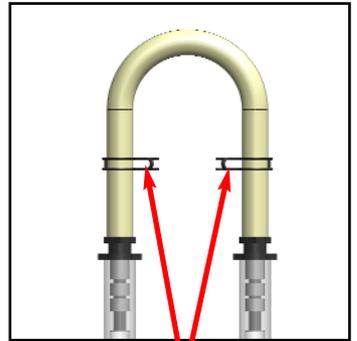
Slide the pump housing upwards and then towards you to remove it.



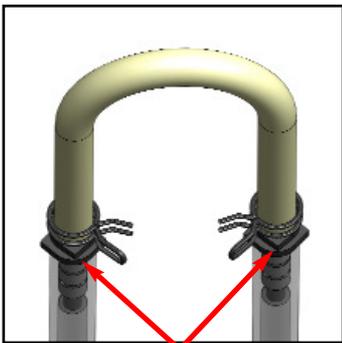
The peristaltic tube set can be removed from the tube set mount by sliding each hose tail outward off of the holder.



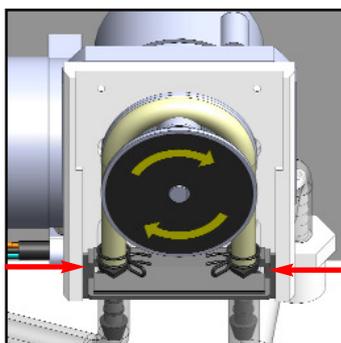
With a pair of pliers squeeze the spring clips together and slide up the peristaltic tube and pull the peristaltic tube from the hose tails. If tie wraps fitted remove by cutting.



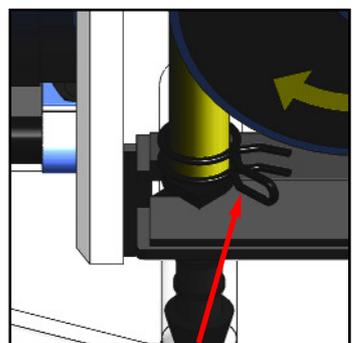
Slide the spring clips onto the new tube and push the tube fully on to the hose tails reposition the spring clips to hold the tube. Or fit new tie wraps if used.



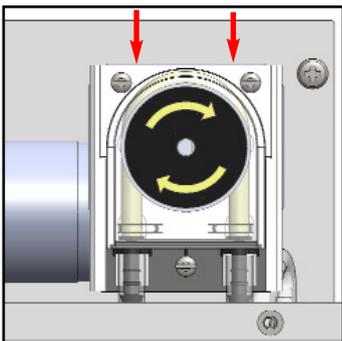
The upper points of the hose tail location groves must not be sticking outward as they will foul on the pump housing.



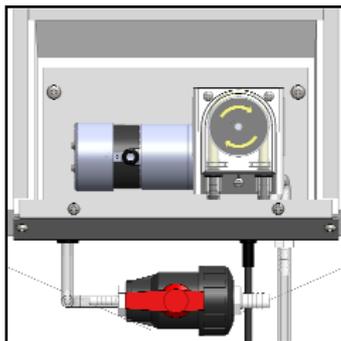
Position the peristaltic tube over the rotor and slide the hose tails in to the mount slots. Check the peristaltic tube is aligned and not twisted.



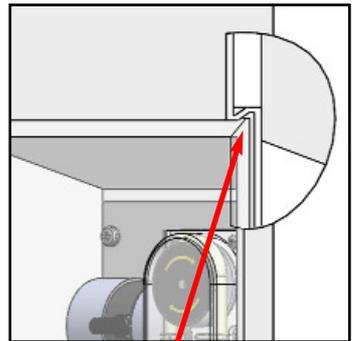
If fitted adjust the spring clips so that they won't interfere with the pump housing.



Slide the pump housing onto the pump head back plate. Tighten the screws whilst applying firm downward pressure on the pump housing



Set the 3 way to run and with liquid in tank run the pump to check the rotor is turning OK and prime the system.



To refit the chamber cover slide upwards locating the angle end in the groove at the top, fit screws and tighten.