

2031 FLOW SENSOR ADAPTER KIT

INSTALLATION INSTRUCTIONS

AM-2031



COMPONENT LIST

PART No.	DESCRIPTION	QTY
A-2090	FLOW SENSOR SIGNAL DIVIDER	1
AA-230	POLMAC FLOW SENSOR	1

GENERAL INFORMATION

The sprayer flow rate must be in the range of 10 –100 litres per minute and the maximum pressure must not exceed 50 bar (5000 psi). Flow rates outside this range will result in inaccuracies.

Check L / Min as follows :
$$\frac{\text{L/HA} \times \text{WIDTH} \times \text{SPEED}}{600} = \text{L / MIN}$$

Example :
$$\frac{80 \text{ L/HA} \times 12\text{m} \times 10\text{KPH}}{600} = 16 \text{ L / MIN}$$

The flow sensor parts will stand Petrochemical Solvent based materials but not acid (defoliant).

INSTALLATION

Before installing the flow sensor, blow softly into the INLET side and check that the turbine spins freely also take note of the factory calibration number (eg. PPL 635) on the flow sensor tag.

The flow sensor must be installed in the main delivery line to the spray nozzles **before** any section controls such as solenoid valves or manual shut off taps.

There must be **no return flow to tank after the flowsensor metering point**, all the liquid being delivered to the target must pass through the flowsensor.

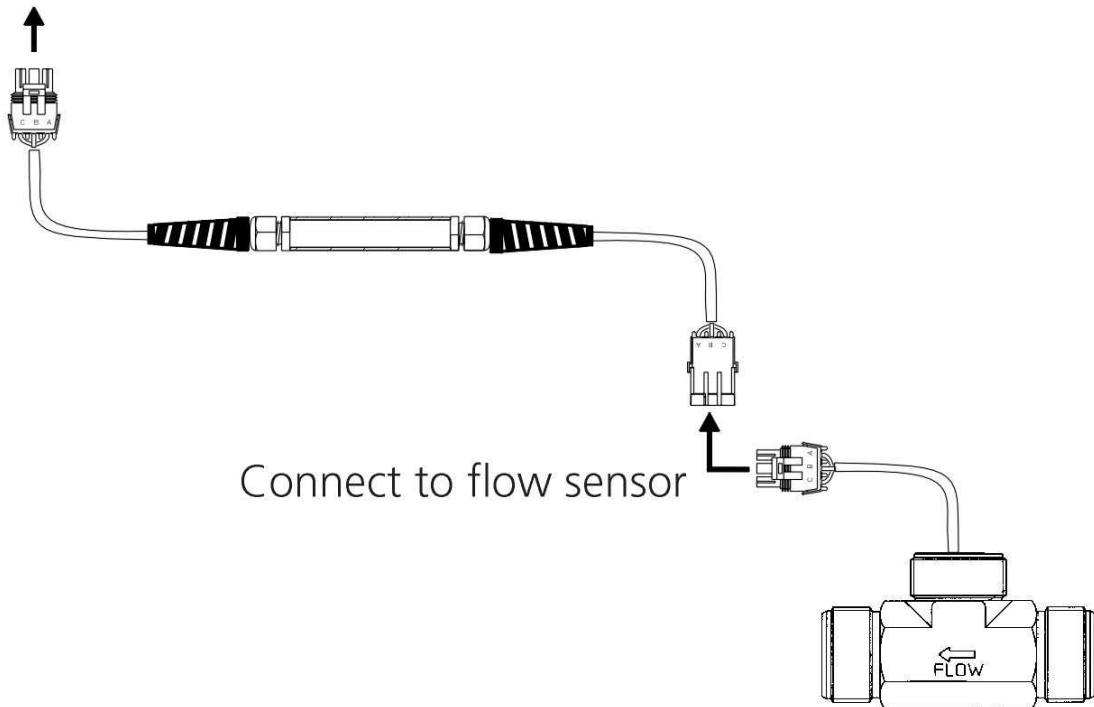
Installation may be in either the vertical or horizontal position, making sure the arrow on the flow sensor points in the direction of flow.

Any plumbing fittings screwed into the flowsensor must be 1 " BSP threads.

Do not run flow sensor cable in close proximity to solenoid control wires or engine kill switch cables.

The flow sensor needs to plug into the A-2090 and the A-2090 then plugs into the sprayer loom. This will divide the pulse output of the Flow sensor by 10. (Allowin you to enter for example 63.5 into the monitor)

Connect to Loom



MAINTENANCE

1. Flush the flow sensor with fresh water after use every day.
2. Do not leave wettable powders or Liquid fertiliser in the spraylines overnight or for long periods.