

SENTRY 6140

TIP FLOW MONITOR



Identifying Plugged Spray Tips Has Never Been Easier

Worn, plugged or partially blocked spray tips can have a significant impact on the quality of your spraying job. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply - all of which can be costly. The Sentry 6140 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors, mounted at each spray tip location, precisely measure the flow passing through the tip and provide instantaneous feedback to the operator should a tip become clogged, lost, or a nozzle body unintentionally rotated to an incorrect position. By eliminating the need to detect plugged tips visually from the cab, operators can cover more acres in a day, and know, with confidence, that their spray tips are operating properly.

Sentry 6140 Tip Flow Monitor

- Individually monitor flow performance from every spray tip on your boom
- Sentry 6140 utilizes a compact flow meter integrated into the individual nozzle body
- Flow meter detects flow variation caused by clogs, nozzle damage or loss, or upstream flow limitations
- Deviation from the average flow rate of the rest of the system will trigger an alert to the operator
- Error is indicated by audible alarm, display notification and illuminated LED at the affected nozzle body

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More About Sentry 6140

The turbine style flow meter used with the Sentry 6140 Tip Flow Monitor is compact, reliable and proven. The threaded connection allows the sensor to be added onto a wide range of standard TeeJet single and multiple outlet nozzle bodies. ChemSaver® diaphragm check valves remain in place allowing for positive spray tip shutoff. Ample clearance inside the flow meter means minimal flow restriction and generous free passage for particles contained in the spray solution. Long wearing materials are used in bearing surfaces to ensure a consistent flow reading and the flow meter sensor is mounted externally to prevent any direct contact with the spray solution for long-term reliability.

FLOW METER CROSS SECTION



Sentry 6140 System Diagram

