

SENTRY 6140 TIP FLOW MONITOR

Sentry 6140 System Ordering Information

Part Number	Description
Step 1: Choose a Sentry 6140 Basic Kit	
90-02860	Kit, Basic Sentry 6140, Multiple Sections (1-15) Includes: Sentry Console Kit, Tip Flow Monitor Kit, Boom Sense 1-15 harness, Power Cable Supports: Sprayers and fertilizer applicators with multiple boom section valves (See items 1, 2, & 3 in system diagrams)
90-02889	Kit, Basic Sentry 6140, Single Section Includes: Sentry Console Kit, Tip Flow Monitor Kit, Boom Sense Single harness, Power cable Supports: Fertilizer applicators and planters with single or no boom section valves (See items 1, 2, & 3 in system diagrams)
Step 2: Choose Tip Sensor Kit	
90-02861	Kit, Dual Flow Sensor Includes: (2) flowmeters and (1) dual tip sensor interface
90-02862	Kit, Single Flow Sensor Includes: (1) flowmeter and (1) single tip sensor interface
Step 3: Choose Extension Cables	
45-05857	Cable, 3'/0.9m Sensor Extension
45-05858	Cable, 6'/1.8m Sensor Extension
45-05859	Cable, 12'/3.7m Sensor Extension
45-05864	Cable, 35'/10.6m Sensor Extension
45-05900	Cable, 5'/1.5m Console Extension
45-05901	Cable, 10'/3.0m Console Extension
45-05902	Cable, 20'/6.0m Console Extension
45-05903	Cable, 40'/12.0m Console Extension

Components

Part Number	Description
90-02871	Kit, Sentry 6140 Console Includes: Console and RAM mount (See items 1 in system diagrams)
90-02852	Kit, Tip Flow Monitor Includes: Terminators (Male/Female), TFMI harness, TFMI and BIM Interfaces (See items 2 in system diagrams)
401-0016	Cable Power, 1 Lead, 2'/0.6m (MTAC group)
45-05855	Terminator, Female
45-05856	Terminator, Male
45-10142	Harness, Boom Interface Module
45-10147	Harness, BIM, Hagie DTS-08 & DTS-10
45-10148	Harness, Tip Flow Monitor Interface
45-10159	Harness, BIM Single Boom Status, With Switch
45-10153	Harness, BIM, Hagie STS-10, 2006-2009
57-00122	Flowmeter Assy., Tip Flow
57-00123	Gasket, Tip Flow Meter
65-05241	Kit, Sentry Ram Mount W/ Suction Cup
75-30100	Console, Sentry 6140 Tip Flow Monitor
78-05091	Boom Interface Module
78-05101	Interface, Tip Flow Monitor
78-05104	Interface, Single Tip Sensor
78-05105	Interface, Dual Tip Sensor



SENTRY 6140

TIP FLOW MONITOR



Identifying Plugged Spray Tips Has Never Been Easier

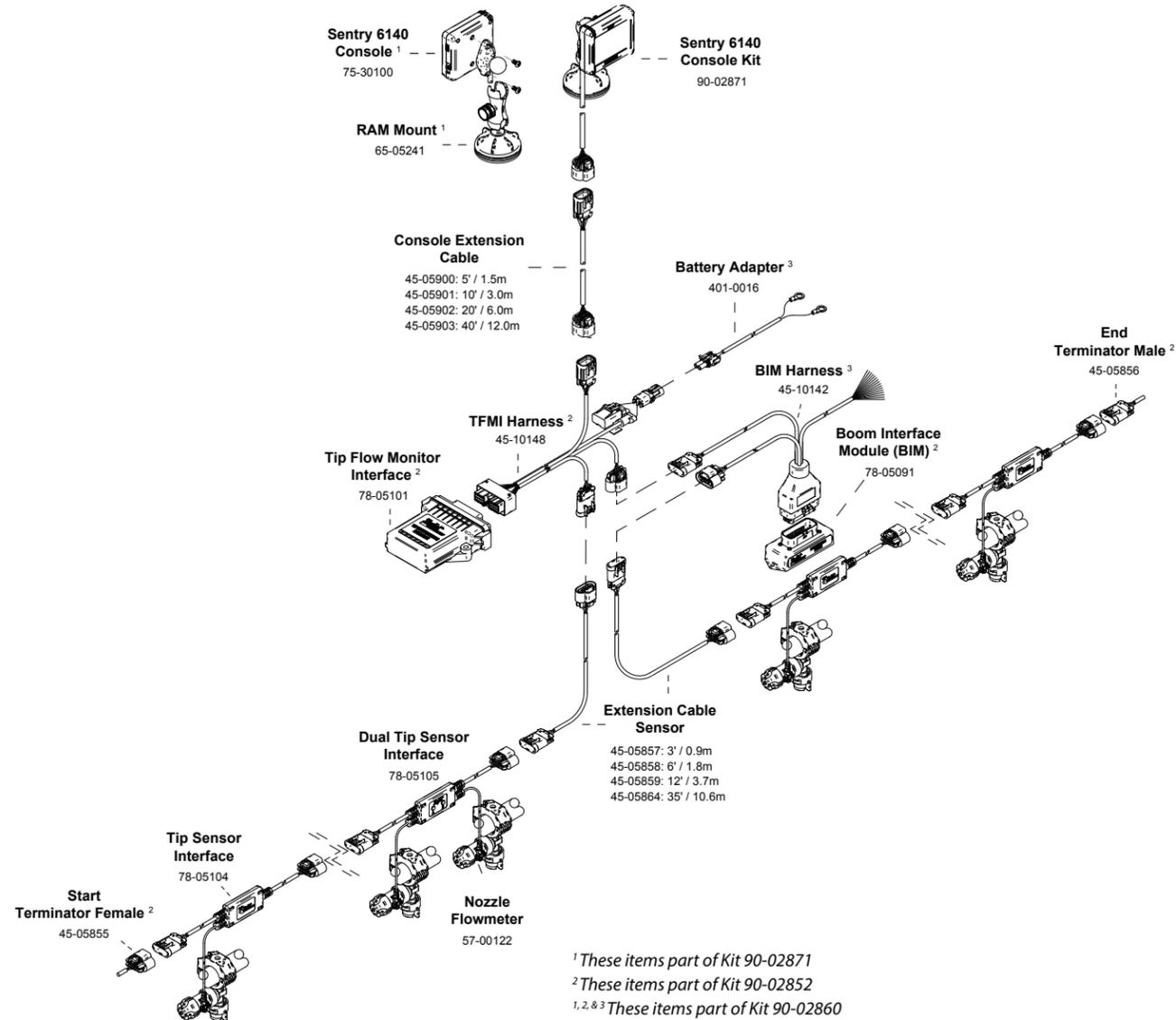
Plugged or partially blocked spray tips can have a significant impact on the quality of your spraying job. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply - all of which can be costly. The Sentry 6140 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors mounted at each spray tip location monitor the flow through the tip and provide instantaneous feedback to the operator should a tip become clogged. 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

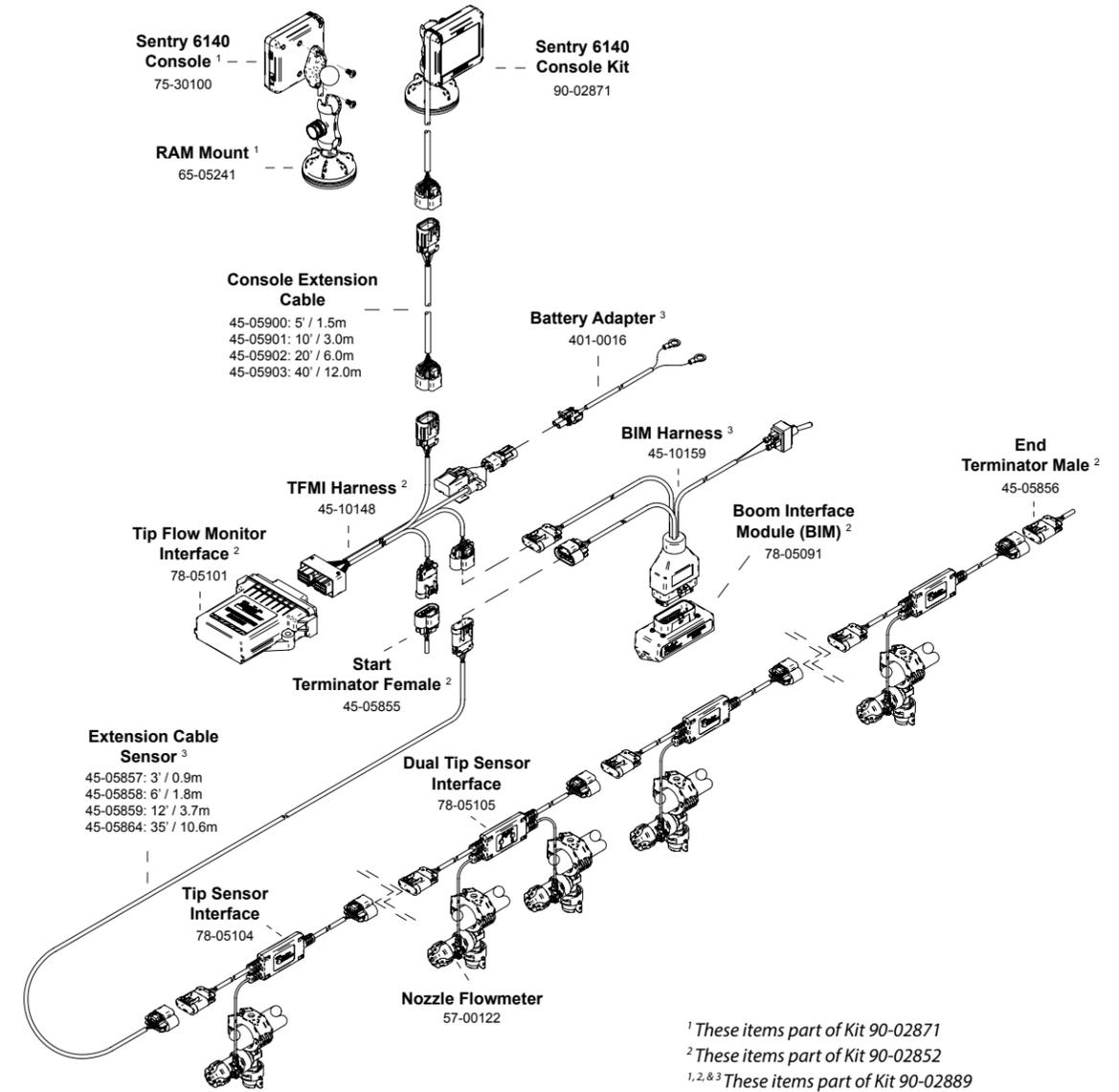
- Individually monitor flow performance from every spray tip on your boom.
- Sentry 6140 utilizes a compact flow meter integrated into each nozzle body.
- Flow meter detects flow variation caused by clogs, nozzle damage or loss, or upstream flow restrictions.
- System can monitor up to 75 spray nozzles simultaneously.
- Error is indicated by audible alarm, display notification and illuminated LED at the affected nozzle.
- Flow meters rated from 0.1-2.5 GPM (0.4-9.5 l/min) and maximum pressure of 150 PSI (10 bar).



For Sprayers and Applicators with Multiple Boom Sections



For Applicators and Planters with Single Boom Section



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 to provide 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. The flow meter sensor is mounted externally to prevent direct contact with the spray solution for long-term reliability.

FLOW METER CROSS SECTION

