Spray Boom Controls

Pressure or Flow Based

Pressure Based Controls

Pressure based controls are the traditional type of sprayer control that most operators learned on. In a typical boom spray application, the most important variable is the ground speed of the application. The application rate is based on vehicle speed, pressure and spray tip. This type of control allows you to easily monitor your pressure setting and boom sections.

Model # EC-VMAFS

All-Function Controls include master On/Off with individual 3 section boom control, liquid filled pressure gauge, foam marker switches (L, R, Both), 3 section lift actuator switches, power switch and pressure adjustment switch.

Model # EC-VM400

Spray console with Master On/Off, 3 section boom control, liquid filled pressure gauge, pressure bump switch, wire harness and universal mounting bracket.

The motorized valves on the right have metered bypass valve to balance spray pressure when one or two sections are off and are included in the EC-VMAFS and EC-VM400 packages. These valves are rated at up to 290 psi and 31 gpm.

Model # 2040LWP

These are an economical alternative to the above motorized valve packages. The 2040LWP includes a spray control box with Master On/Off, 3 section boom control, liquid filled pressure gauge, pressure bump switch, mounting bracket and wire harness. The solenoid valves have a pressure regulator with a maximum operating pressure of 175 psi and maximum flow of 18 gpm.
Flow Based Controls

Flow based controls are also known as computerized controls. They differ from traditional pressure based controls because they monitor the flow of material through the system instead of just monitoring pressure. These controls are desirable because they will maintain their preset spray rate by automatically compensating for ground speed.

Model # MT3403AFS

The MT3403F is a computerized spray control system that allows the operator to maintain a programmed spray rate regardless of speed changes. The main control box incorporates a master On/Off switch, 3 section boom control, and GPS speed control. The all function control module includes switches for the foam marker and 12 volt hydraulic/electric actuators.

Model #’s Raven SCS 330 & SCS 440

The Raven SCS 330 and SCS 440 Sprayer Flow Control systems also automatically maintain a programmed application rate regardless of changes in application speed. Each system uses either a wheel sensor or radar speed sensor for speed control. The 440 allows for two programmed application rates, the 330 is single rate.

Either computerized controller system includes the SDI electric motorized control valves shown on the front page but without metered bypass function for optimum performance.