

Setup > Alarms

Setup > Rates

Flowmeter	Minimum Flow
0.6 to 13	0.4
1.3 to 26	0.8
2.6 to 53	1.6

Diagnostics > Tests > Section Test

Diagnostics > Tests > Nozzle Flow Check

Section Test or **Calibrate PWM Limits** can be used for manual operation of the system. **Calibrate PWM Limits** is good to prime the pump on startup, to rinse the system, and for troubleshooting.

Use **Nozzle Flow Check** to see if system will lock on to a rate at a test speed. Pressure with water will be a lot lower than it will be with a heavier product.

Diagnostics > Readings > Delivery System will show details on flowmeter operation and pump speed (PWM Duty Cycle). This can be useful information for troubleshooting.



SCAN for video on **Diagnostics > Readings**

Initial Testing and Operation

1. Fill the system with water. For first time operation, close the Recirculation knob by the pump and open the air bleed valve.
2. Go to **Diagnostics > Tests > Calibrate PWM Limits**. Follow the instructions to run the test. Hold the (+) button to speed up the pump. When water starts flowing, it should show (gal/min) and PSI on the screen. Note: The pressure will be much lower with water than it will be with a fertilizer product. On the LiquiShift, only valve A will be open unless the pressure reaches 70 PSI. To open Valve B, turn on the manual toggle switch by Valve B.
3. With the (+) and (-) buttons, you should be able to change the speed of the pump, gal/min, and PSI.
4. After the pump is primed, you can open the Recirculation knob a quarter to a half turn. Run the Section Test and Nozzle Flow Check.

(Note: You may get a warning that says "Solution Pump Dry". This message is programmed in the controller to come on when the system does not read flow. It is there to save pumps that might burn up seals if they are run dry. SurePoint pumps will not burn up seals if run dry.)

Go to <http://www.SurePointag.com/support> to see the full system manual (396-001070) and the Gen3 LiquiShift manual (396-4608Y1).

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396-4760Y1 QuickStart for SurePoint **Gen 3 LiquiShift** System for JD GRC-PWM Control

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