

EVO™ Settings for Apache Sprayers (2020 and After)

Use the settings below to program the EVO system for Apache Sprayers.

Viper 4 Settings

Product Settings:	
Valve Type:	PWM
Min Pump PWM:	30
Max Pump PWM:	80
Standby Pump PWM:	Disabled (Uncheck Box)
Response Sensitivity:	79 (Recommended Starting Point)
Deadband:	2%
Pressure Settings:	
Response Rate:	50
Minimum Pressure:	10 PSI
Maximum Pressure:	150 PSI
Boom Pressure Cal:	Calibrate Appropriately
Advanced Pressure Calibration:	
Pressure Sensor:	Boom
Pressure Sensor Range:	(0-250) PSI

EVO Display Settings

Main Menu	
Backlight:	5
Alarm Volume:	3
Turn Compensation:	On
Rate Sync:	On
Pressure Increment:	5 psi
Advanced Menu	
System Gain:	5.0
P-Gain:	5
I-Gain:	0.25
Nozzle Hold Delay:	0 sec
Low Pressure Shutoff:	8 psi
PWM Frequency:	10 Hz
Valve Open Time:	20 ms with 12-watt valves
Units:	US (psi)
Nozzle Valve Spacing:	Program per system configuration
Module Location Menu:	Program per system configuration
Section Size Menu:	Program per system configuration
GPS Menu:	
GPS Source:	SERIAL
Boom Type:	FIXED
GPS to Axle:	0
Trailer Hitch to Axle:	0
Trailer2 Hitch to Axle:	0

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Pump/Servo Menu:	
	Servo Type: PWM
	Servo Min: 30
	Servo Max: 80
	Nozzle Cycle Time: 0.1 sec
	Servo Hold Delay: 0 sec
	Input Current Load: Off
Low Flow Menu:	Disabled
PSI Module Menu:	
	Sensor Module: CMD
	Sensor Offset: 0 psi
	Sensor Volt Min: 1 volts
	Sensor Volt Max: 5 volts
	Sensor Pressure Min: 0 psi
	Sensor Pressure Max: 250 psi
	Pressure Command: On
	Navigation IMU: Off