



IRRIGATION INJECTION

SALES GUIDE



MARKSMAN™ MODELS

Determining What's Best for Your Operation.

Marksman™ Hydra-Cell Pump

FLOW RANGE: 15-180 GPH, 6-120 GPH
MAX OPERATING PRESSURE: 125 PSI
POWER OPTIONS: 480VAC 3-PHASE, 110 VAC

The Marksman™ Hydra-Cell Pump is your ultimate solution for reliable and efficient fertigation and chemigation! This pump has a durable and robust industrial-grade design, backed by years of proven performance. With its Variable Frequency Drive (VFD), you can effortlessly vary the motor speed to achieve your desired application rate.



Marksman™ 12VDC Pump

FLOW RANGE: 6-60 GPH
MAX OPERATING PRESSURE: 50 PSI
POWER OPTIONS: 480VAC 3-Phase, 110VAC, 12 VDC

Marksman™ 12VDC Pump is the economical choice for low-pressure irrigation systems! This system features a 12 VDC motor that drives a reliable diaphragm-type pump, making it perfect for applications requiring low to medium rates. It is designed to perform efficiently in low-pressure environments.



Marksman™ No-Pump Existing Injection Pump Control

FLOW RANGE: Determined by Existing Pump
MAX OPERATING PRESSURE: Lesser of 125 PSI
POWER OPTIONS: 480VAC

Marksman™ No-Pump is the perfect upgrade for your existing injection metering pump! With this innovative solution, you can add all the advanced features of Marksman™ to your current setup, including flow measurement and control, water proportional control, shut down alarms, and recordkeeping. It also provides VFD controlled output, enhancing the performance of your existing pump.



FEATURES & BENEFITS

Use Marksman™ with Center Pivot & Drip Irrigation Systems.



Flow Management

All Marksman™ models utilize third generation electromagnetic flow meter to measure flow rate of fertilizer or water/chemical mixture. Electromagnetic meters have no moving parts to lodge, stick, or wear. They precisely measure any electrically conductive liquid.



Flow Control

Set the desired flow rate (GPH) for your application and Marksman™ will control the pump output to achieve the desired rate for the entire application. Changes in product viscosity due to temperature variation, changes in head height of tank, and other variables that change flow rate through traditional metering pumps, are a thing of the past. Marksman™ ensures you get the exact application you need.



Shut Down Alarms

Off Rate Alarm - If tank runs dry or the strainer plugs up and Marksman™ cannot achieve the desired flow rate, Marksman will automatically stop and send instant notifications to alert you. Utilize Marksman™ pivot shut down relay kit to stop the pivot as well.

Low and High Pressure Alarm - If injection pressure drops below the minimum pressure set point, Marksman will shut down and send instant notifications to alert you. Eliminates hours of costly and harmful spills due to a broken hose.

Water Pressure Low and High Pressure Alarm - With optional water pressure sensor, Marksman™ will shut down based on too low or too high of water pressure, and then send instant notifications to alert you of the shut down.



Batch Mode

Inject set number of gallons, then turn off.



Auto Run on Power Up

At power up, Marksman™ will automatically start pumping. Automatically resume injection after power shut down due to load control. Useful in drip irrigation to apply set batch size to each zone of system.



Record Keeping

You know when where and how much is applied. Marksman keeps a complete record of every application. Every 10 minutes it logs an entry that records, field, date/time, actual flow rate, pressure and batch total.

MARKSMAN™ CLOUD & Monitoring Dashboard

Marksman™ Unified Dashboard shows all Marksman™ systems assigned to the user. The dashboard provides the current status and map marked with location of each system in the user's profile.



Unified Dashboard

Selecting a Marksman™ system in the Unified Dashboard loads the Operations Dashboard for the Marksman™. On this dashboard you see the detailed status of this system:

- Running/Stopped
- Power On/Off
- Online/Offline
- Rate Setpoint
- Chemical Name
- Chemical Flow Rate
- Chemical Pressure
- Water Flow Rate*
- Water Pressure*
- PWM Duty Cycle
- Tank Level
- Totals

*If connected to irrigation system flowmeter and pressure sensor.



John Deere Operations Center

Now Available in John Deere Operations Center (MY2025):

- Monitor application status
- Keep track of where all your equipment is at in one convenient place
- Manually create an 'as applied' map once application has finished


Learn more at <https://operationscenter.deere.com>





Text Notifications


Receive Text Message Alerts

No need to constantly check the status of your irrigation. Marksman™ will text you with updates or if there are any problems you need to know about.

 Account

 Notifications

 **Notify Me for**

[Create a Form](#) 

When

☒ When a Controller is Turned On or Off

☒ When a Pump is Started or Stopped by a Controller

☒ When a Pump Stops Due to a Controller Alarm

☒ When a Controller Loss Connection Unexpectedly

☒ When a Controller Detects Low Tank Level

☒ When a Controller Detects a Flow Issue

☒ When a Settings Change is Sent to a Controller

Phone Number for Notifications from **Isaacs Farms LLC**

Save Notification Settings

Marksman™ text messages provide notification of changes in Marksman™ status. Select the types of messages you wish to receive in your account setup.



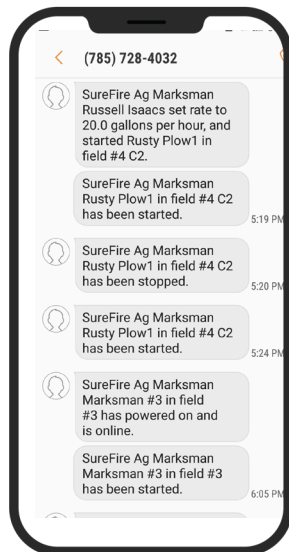
Increase Accuracy



Reduce Labor



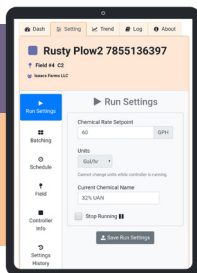
Provide Accurate Readings



Settings Control Center

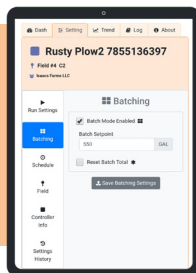
RUN SETTINGS

Run Settings allows you to change the Rate, Rate Units, and Chemical Name.



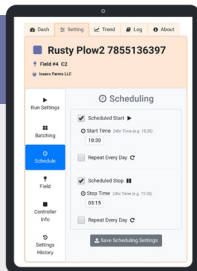
SCHEDULING

Utilize Scheduling to start and/or stop the Marksman™ at the desired time.



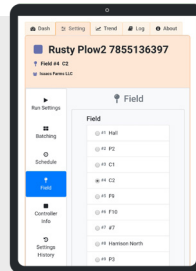
BATCHING

Utilize Batching to set the volume to be injected. Marksman™ will meter the correct volume, and then stop.



SET THE FIELD

Set the Field being applied on. The as-applied record is created complete with the location of the application.



PUMP & COMPONENT BREAKDOWN

Hydracell Pump

Two Pump Models

- 6-120 GPH
- 15-180 GPH

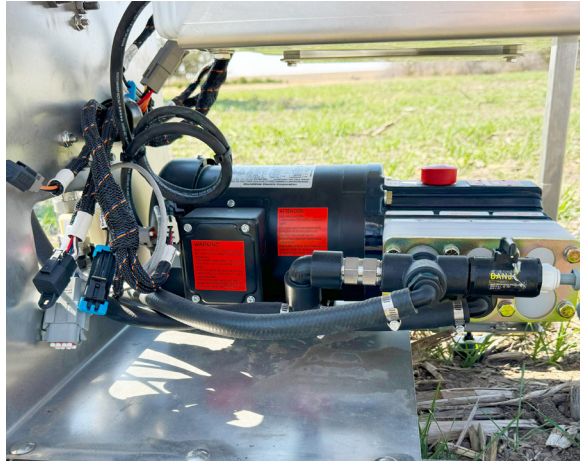
Maximum Operating Pressure

- 125 PSI

Power Options

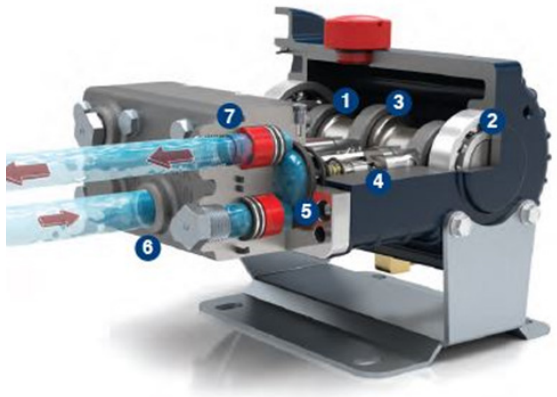
- 480 VAC 3-Phase
- 110 VAC

Durable and robust industrial grade pump with years of proven use in fertigation and chemigation applications.



Acid Resistant

Marksman™ Fertigation & Chemigation systems are compatible with 52% Phosphoric Acid Solutions. Please contact manufacturer for use with other acid materials.

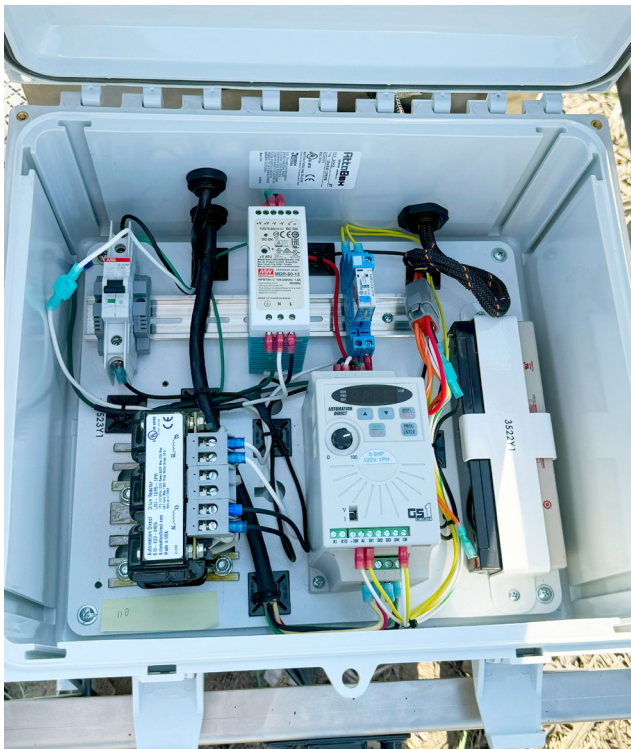


Electromagnetic Flow Meter

Marksman™ utilizes third generation E-Mag Flow Meter technology (new in 2025) for even greater accuracy across multiple different product viscosities compared to previous flow meter to accurately measure the flow rate of fertilizer or water/chemical mixture. Electromagnetic flow meters have no moving parts, eliminating lodging and sticking of mechanical components.

MARKSMAN™ CONTROL

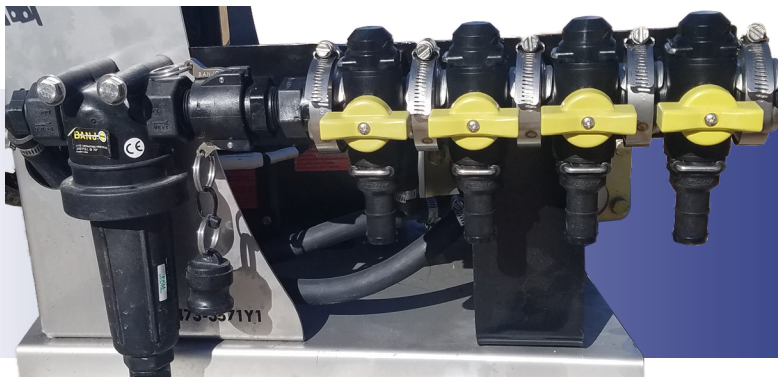
Marksman™ control and software have been developed by SurePoint to precisely control fertigation and chemigation applications. When equipped with cell modem, it communicates with the Marksman™ Cloud to receive remote commands and report alarms, and to log data for record keeping.



Variable Frequency Drive

Marksman™ uses a variable frequency drive (VFD) to vary the speed of the pump to achieve the desired application rate.

4-Product Inlet Manifold



Accessory 4-product inlet manifold. Connect multiple product tanks and water for rinse. Change products by simply opening and closing valves.



GROWER ADVANTAGES

Marksman™ enables growers to improve accuracy and reliability, streamline record keeping and reporting, and reduce labor costs.

Maximize Input Application While Irrigating:

Timing is critical.

Marksman™ ensures that the ideal application window is not missed due to malfunction or personnel schedules.

Regulatory compliance.

Marksman™ Cloud and text alerts provide necessary monitoring for regulatory compliance standards, reducing in-person checks.*

Accuracy pays.

Marksman™ eliminates over application and under application mistakes by delivering exactly what you need with precision.

Streamlined reporting.

Marksman™ Cloud makes it easy to track and export data for total applied inputs to complete required compliance reporting.

**Consult your state's regulations to ensure compliance.*



9904 Hwy 25, Atwood, KS 67730
www.SurePointAg.com

Start Your Free Quote: www.surepointag.com

© 2025 by SurePoint Ag Systems, Inc. SurePoint Ag Systems, Inc. reserves the right to make changes in engineering, design, and specifications, or add improvements at any time without notice or obligation.

Part Number: 394-10051M1