



MICRO-TRAK[®]
INNOVATIVE FROM THE GROUND UP

**RETAIL
PRICING
2026**





MICRO-TRAK®
INNOVATIVE FROM THE GROUND UP

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PRICING EFFECTIVE OCT. 1, 2025

All pricing and specifications subject to change without notice.

All prices shown in U.S. dollars.

NET PRICE ONLY ITEMS:

Items designated as "Net Price Only" will be billed at the shown price - not subject to discount. Net Price Only is noted in the section description where applicable, and by "net" designation next to price.

NON-CANCELABLE /

NON RETURNABLE PARTS:

Items designated with the asterisk * sign in the product description are non-cancelable and non-returnable parts ("NCNR"). NCNR Parts are considered "Special Order" and may have longer than usual lead times. Orders for NCNR items cannot be canceled or returned for any reason other than the applicable warranty.

WHAT SETS US APART:

- We partner, listen and customize solutions
- Industry leading 3-year warranty
- Loaner component support program
- Flexible manufacturing for low to high volume needs

**3 YEAR
WARRANTY**
**LIFETIME
SERVICE**

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Micro-Trak® pricing and product specifications are subject to change without notice. Access retail pricing in the Reseller area of the Micro-Trak® website - located in the Resources menu.

micro-trak.com/resources/reseller-area



ABBREVIATION KEY:

MP = Metri-Pack

WP = Weather Pack

LF = low flow

SS = stainless steel

GFN = glass filled nylon

PP = polypropylene

HDPE = high-density polyethylene

FKM = fluoroelastomer

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PRODUCT PROMO ITEMS

CUSTOM CARDS

1

CALC-AN-ACRE™ II



A versatile, accurate, and affordable measurement system with enhanced efficiency, job tracking, weather resistance, and user-friendly features.

2

DUAL ISOMOD™



The Dual ISOMod™ is a flexible and powerful automatic rate controller designed to meet the unique needs of today's precision farmer, offering advanced rate control with flexible channel configuration options, including Normal, Parallel, and Injection modes. Featuring single or dual channel control and multi-section capabilities, this controller is ISOBUS ready, allowing seamless integration with existing control systems and easy setup and control via an Incab Universal Terminal. Its multifunction outputs provide robust control over on/off valves for Master, Relief, Flow Trigger, or Flush functions, ensuring precision and efficiency.

5

GSC-1000



A cost-effective, high-performance, automatic rate controller for granular spreader systems. It is designed for ease of use and efficiency. This versatile device regulates product rates with an optional RPM input and features three independent area and volume counter pairs for tracking daily, weekly, and seasonal totals. Instant alerts for "No Flow" and "No Speed" issues, a bin level display with a low bin alarm, and spinner RPM monitoring ensure precise operations. It also provides weight-per-minute measurements, ultra-low rate accuracy, and distance verification in feet. The GSC-1000 automatically stops the apron if no flow is detected, preventing over-application, and can be configured to control either the apron rate or spinner RPM.

6

LIQUIFIER™



The Liquifier™ stainless-steel construction resists corrosion and reduces maintenance. It's tough, N-Serve™ compatible, and suitable for all field conditions. With outstanding efficiency and industry-leading flow capacity, it's the clear choice. Fully assembled, leak-tested, and ready to bolt onto your toolbar, the Liquifier™ is versatile, adaptable, and connects easily to all major-brand controllers.

9

RATEKING™ PLUS/DUAL PLUS



RateKing™ Plus and RateKing™ Dual Plus are versatile automatic liquid rate controllers for agriculture, grounds, and highway maintenance. RateKing™ Plus features a dual display for easy monitoring of application rates and additional metrics like output drive and elapsed hours. RateKing™ Dual Plus enhances productivity by allowing the simultaneous control of two products from one controller, allowing for greater efficiency. Each are available in 3, 5, and 7 section versions.

10

ROADMASTER™



An all-round controller for any highway maintenance liquid application, offering precise control for dust-control agents and roadside spray products such as herbicides. Choose from our line of EMDs: hydraulic valves, servo valves, flowmeters and GPS speed sensors for a complete RoadMaster™ dust-control system.

13

SPRAYMATE™ PLUS



Plug-and-play replacement for out-of-date and discontinued rate controllers. Adapter cables available for replacing most brands.

14

XRS™ SERIES



Designed for the unique needs of orchards and vineyards, the SprayMate™ XRS and RateKing™ XRS are easy to set up and use, yet ruggedly built for years of dependable service. These systems are ideal for precisely controlling the application of pesticides, insecticides, and fungicides. With Micro-Trak's advanced auto rate controllers, you can be confident that the desired rate is consistently delivered with every pass.

Offering free custom 5.5"x8.5" product cards with your logo and business info. These high-quality cards are functional tools and powerful marketing assets, integrating seamlessly with your existing Micro-Trak products.



Available layouts can be tailored or new ones created to suit your needs.
Contact us today to learn more.

3

ELECTRIC MOTOR DRIVER

The Electric Motor Driver (EMD), available in 10 amp and 40 amp versions, enables all four rate controllers, Dual (RoadMaster, SprayMate, Plus, RateKing), Plus, RateKing, Dual Plus, GOC-1000, RoadMaster, SprayMate, and MT-2405L, by regulating the speed of a 12-volt pump to control flow rates. It also integrates seamlessly with most major brand control systems. The EMD ensures precise, accurate, and effective application rate control, making it ideal for low rate starter fertilizer on seed drills and planters. The EMD replaces the electric servo valve and can handle most 12V pumps with a maximum of 40 gpm. Available as part of a custom-made kit with a control console, speed sensor, and flowmeter, or as an add-on for existing controllers. The EMD offers easy installation on planter sprayers or custom ATVs, providing a versatile and efficient solution for various agricultural applications.

Micro-Trak
 EMD

4

FLO-PRO™

A two-channel controller engineered for precise liquid metering and dispensing as a key component of a comprehensive batching system, which includes the Flo-Pro console, two flowmeters, two control valves, and an optional remote run/hold switch. The Flo-Pro ensures seamless monitoring and control of the entire batching process, from the nurse trailer to the liquid applicator.

Micro-Trak
 Flo-Pro

7

MANUAL CONTROLLERS

Experience unparalleled control with our 12-Volt Variable Speed Control, featuring our 10 & 25 Amp Manual Controllers. Designed to precisely adjust the speed of any 12v pump, these controllers offer exceptional accuracy across a wide range of RPMs, making them perfect for managing low-volume starter fertilizers on seed drills and planters. Key features include a built-in circuit breaker, an available pressure gauge bracket, an on/off control switch with an indicator LED for easy monitoring, and optional 10' and 20' extension cables for added flexibility. Take control and enhance your operation with our reliable and versatile speed controllers.

Micro-Trak
 Manual Controllers

8

PROPLANT™

Maximize yields and cut costs with the ProPlant™ electronic monitoring and control system. Designed for effortless installation and operation, it delivers precise seed rate control and allows real-time adjustments—whether through VRA or console keys—to match changing field conditions. Take control of your planting process with accuracy and efficiency like never before.

Micro-Trak
 ProPlant

11

SAFEGUARD™

Safeguard™ electronically detects blockages and alerts you with an Audible Alarm and a Visual Display of the blocked row's number. Reduce over- and under-application, save money, and apply liquid fertilizer with confidence without having to watch flow monitors or outlets. This capable and dependable system is available with either a compact in-cab console or as part of an existing in-cab universal terminal.

Micro-Trak
 SAFEGUARD™

12

Is your Raven 440 Controller Not Working?

The SprayMate™ Plus console is a plug-and-play replacement for outdated and discontinued rate controllers, with adapter cables available for most brands. Additionally, your setup can also be easily enhanced by including an Astro Speed Sensor.

Micro-Trak
 SprayMate™ Plus

15

XRS™ SERIES

Designed for the unique needs of orchards and vineyards, the SprayMate™ XRS and RateKing™ XRS are easy to set up and use, yet ruggedly built for years of dependable service. These systems are ideal for precisely controlling the application of pesticides, insecticides, and fungicides. With Micro-Trak's advanced auto rate controllers, you can be confident that the desired rate is consistently delivered with every pass.

Micro-Trak
 SprayMate™ XRS

Micro-Trak
 RateKing™ XRS

16

CUSTOMIZED SOLUTIONS

YOUR PARTNER IN
 INNOVATIVE FROM THE GROUND UP

MICRO-TRAK

CUSTOM BANNERS

Banners are made from tough, fade-resistant vinyl and feature six grommets for easy hanging. Their vivid colors are sure to grab some attention and make a lasting impression.

SPECIFICATIONS: 48"x30" | 6 Grommets | Outdoor Material

1. Corn



2. Corn



3. Soybeans



4. Soybeans



5. Almonds



6. Almonds



7. Wheat



8. Wheat



9. Cotton



10. Cotton



11. RoadMaster



12. Hazelnuts



We're offering free custom 48"x30" banners to help you promote your Micro-Trak products with impact. Printed on durable, weather-resistant material, these high-quality banners are designed to stand out in any environment. Each banner can be customized to showcase the specific Micro-Trak products you offer, making it a great way to attract attention and drive interest.

Contact us today to learn more.

13. Apples



14. Blueberries



15. Cherries



16. Grapes



17. Peaches



18. Fruit



19. Potatoes



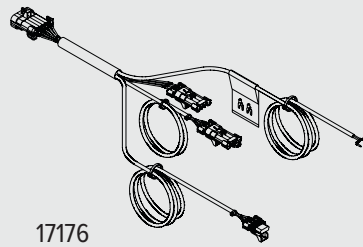
20. Plums



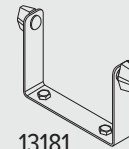
MONITORS

Calc-An-Acre™ II

01001 KIT: included w/ console



17176
Power/Speed/Run-Hold/RPM
Harness, 10'



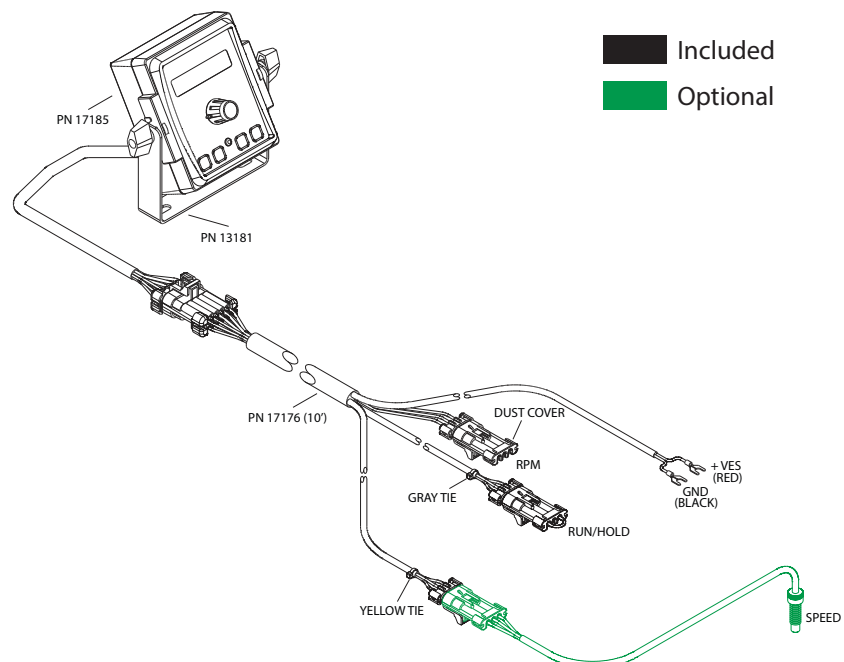
13181
Console
Mount Kit

The low-cost original is now even better! This upgraded unit delivers accurate speed, distance, and area measurement at an affordable price, making it perfect for sprayers, tractors, ATVs, trucks, and floaters. It improves chemical efficiency and application accuracy, with a lighted front panel and backlit display for easy viewing at night.

Features:

- Three independent area counters for tracking multiple jobs
- Ground speed and area per hour display to monitor productivity
- Run/hold function to pause counting when turning or moving fields
- Width reduction feature for accurate partial passes
- GPS and radar sensor compatibility
- Weather-resistant design with memory retention and selectable units

Calc-An-Acre™ System Layout



Calc-An-Acre™ - The Original Speed, Area, Distance and RPM Monitor

01001	Calc-An-Acre™ II Kit, (select speed sensor)	\$559.00
01000	Calc-An-Acre™ II Kit, w/ magnetic wheel sensor	\$647.00

Optional Items

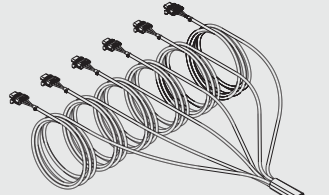
01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension	\$221.92
01539	RPM Sensor Kit, RPM sensor, w/ mounting bracket, 2 magnets	\$149.11
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85

Speed Sensors

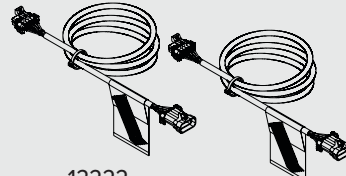
01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

Shaft-Trak™

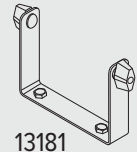
01463 and 01323 KITS: included w/ console



14473
Sensor Harness, 7'



13222
Two 15' Cables w/ Zip Ties



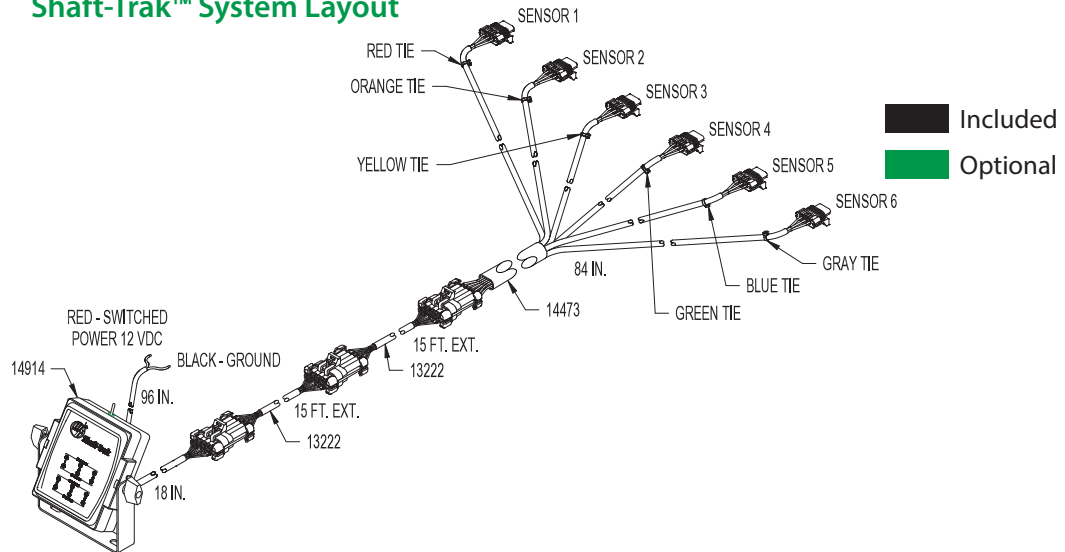
13181
Console
Mount Kit

The Shaft-Trak simultaneously monitors and indicates the status of up to 6 rotating shafts, 3 shafts and 3 bin level sensors, or 6 bin level sensors.

Features:

- Immediate alert of potential machine malfunctions
- Visual and Audible alarms
- No settings or calibration required
- 2 models available - Standard and Low RPM
- Reduces downtime and improves equipment efficiencies
- Early warning of potential failures and maintenance needs

Shaft-Trak™ System Layout



Shaft-Trak™ - Shaft and Bin Monitor

Shaft-Trak™ Low RPM (5 RPM with 1 Magnet) Recommended for Drill applications

01463	Shaft-Trak™ Low RPM Kit, w/o sensor kit	\$740.00
01464	Shaft-Trak™ Low RPM Kit, w/ 1 sensor kit	\$824.00
01465	Shaft-Trak™ Low RPM Kit, w/ 2 sensor kits	\$945.00
01466	Shaft-Trak™ Low RPM Kit, w/ 3 sensor kits	\$995.00
01467	Shaft-Trak™ Low RPM Kit, w/ 4 sensor kits	\$1,076.00
01468	Shaft-Trak™ Low RPM Kit, w/ 5 sensor kits	\$1,162.00
01469	Shaft-Trak™ Low RPM Kit, w/ 6 sensor kits	\$1,242.00

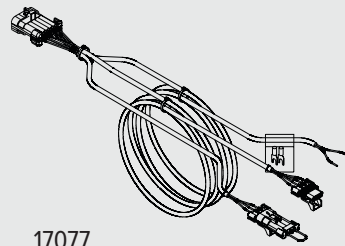
Shaft-Trak™ Standard (45 RPM with 1 Magnet)

01323	Shaft-Trak™ Kit, w/o shaft sensor kit	\$740.00
01330	Shaft-Trak™ Kit, w/ 1 shaft sensor	\$824.00
01331	Shaft-Trak™ Kit, w/ 2 shaft sensors	\$945.00
01332	Shaft-Trak™ Kit, w/ 3 shaft sensors	\$995.00
01333	Shaft-Trak™ Kit, w/ 4 shaft sensors	\$1,076.00
01334	Shaft-Trak™ Kit, w/ 5 shaft sensors	\$1,162.00
01335	Shaft-Trak™ Kit, w/ 6 shaft sensors	\$1,242.00

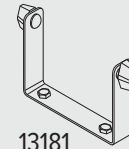
Optional Items

01544	Bin Level Sensor Kit, IR type sensor	\$175.00
01539	RPM Sensor Kit, RPM sensor, w/ mounting bracket, 2 magnets	\$149.11

SodPro II™ 01404 KIT: included w/ console



17077
Main Harness, 10'



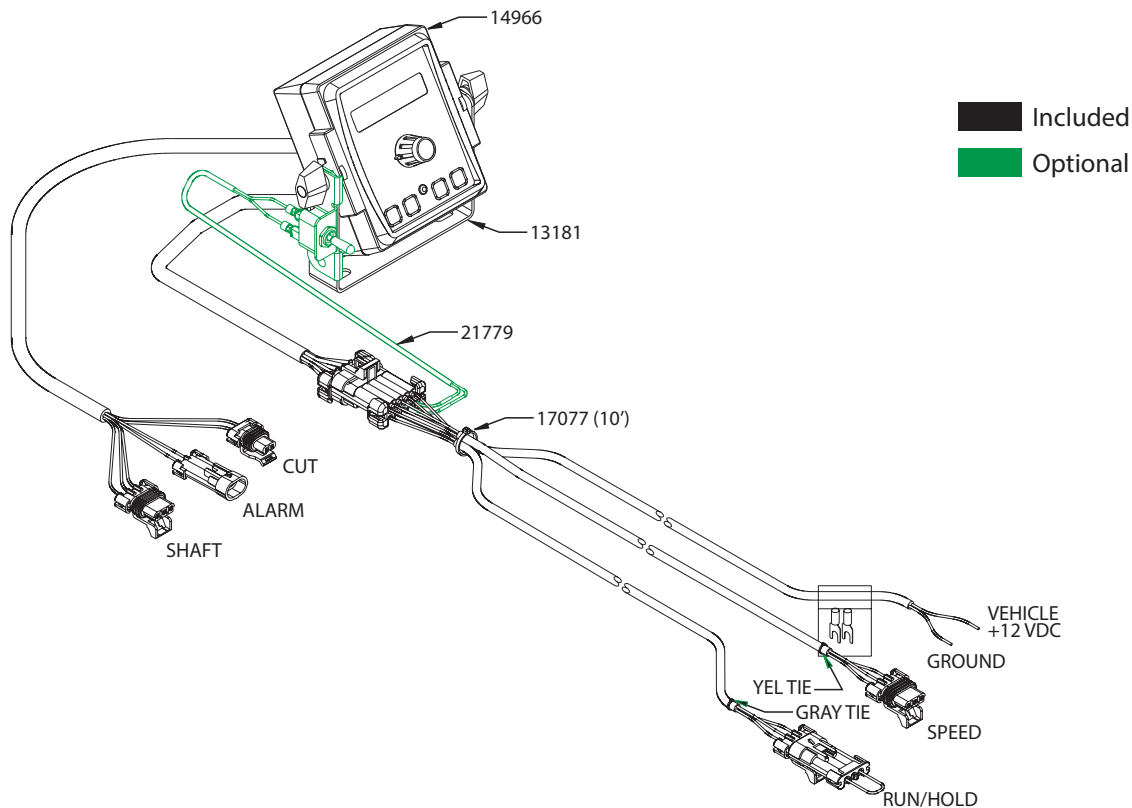
13181
Console
Mount Kit

The SodPro™ II is designed specifically for sod harvesting operations. New features include options for control of an alarm and/or cutting mechanism, with adjustable cut length and dwell time for cut.

Complete Sod Harvest Monitoring

Track every detail of your harvest with a system that measures roll length, piece count, load totals, area harvested, speed, distance, and more—giving you complete visibility and control in the field.

SodPro II™ System Layout



SodPro II™ - Sod Cutting Monitor

01404 SodPro II™ Customized Kit, (select speed sensor) _____ \$871.00

Optional Items

01535 Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension _____ \$221.92

18541 Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____ \$385.12

18529 A Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____ \$309.85

Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00

01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00

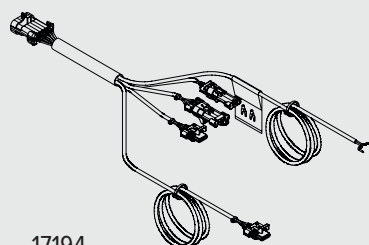
01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00

01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00

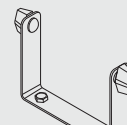
01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

Flow-Trak™ II

01021 KIT: included w/ console



17194
Power/Speed/Flow/RH/Opt
Harness, 10'



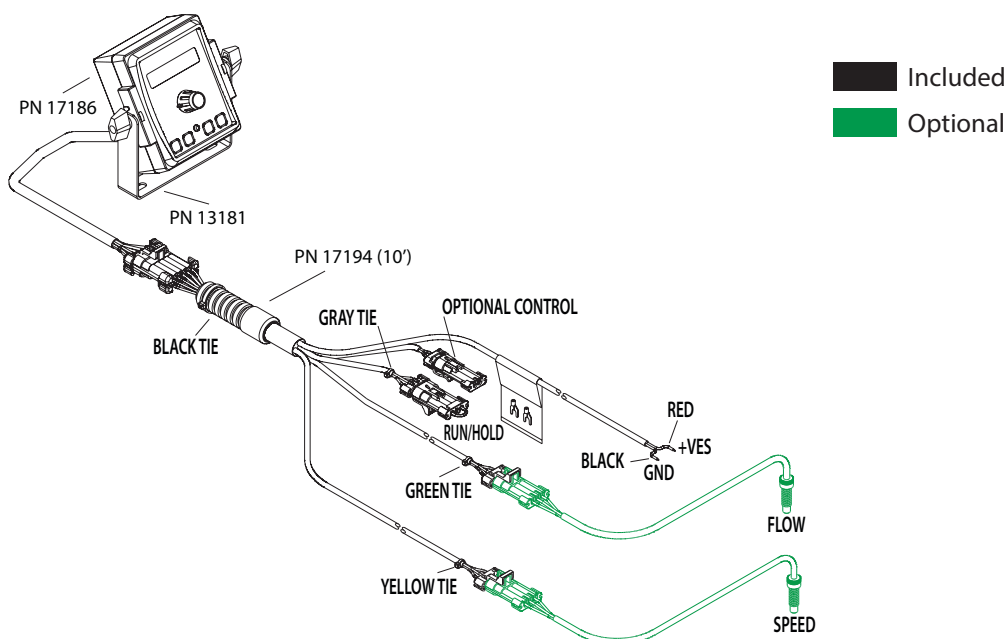
13181
Console
Mount Kit

The Shaft-Trak simultaneously monitors and indicates the status of up to 6 rotating shafts, 3 shafts and 3 bin level sensors, or 6 bin level sensors.

Features:

- Control output that can turn a valve or pump On/Off for Batch control
- Track tank volume
- Tank alarm standard
- TRIPLE counters for volume and area
- "No Flow" and "No Speed" warning messages

Flow-Trak™ II System Layout



Flow-Trak™ II - Sprayer Monitor

01021	Flow-Trak™ II Customized Kit, (select speed sensor and flowmeter kits)	\$964.00
01020	Flow-Trak™ II Kit, w/ FM750 GFN flowmeter and magnetic wheel sensor	\$1,766.00
01170	Flow-Trak™ II Kit, w/ FM750 GFN flowmeter, (select speed sensor)	\$1,511.00

Optional Items

01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension	\$221.92
17200	Relay Kit, Flow-Trak™ II	\$197.02
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85

Speed Sensors

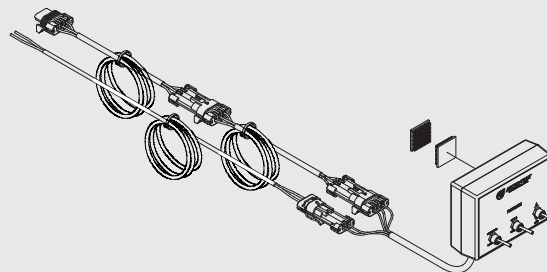
01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

Flowmeter Kits (See page 14)

FlowMate™ 01739 KIT: included w/ console



13207 Extension Cable, 15'
13209 Extension Cable, 25'
18155 Power Cable, 10'

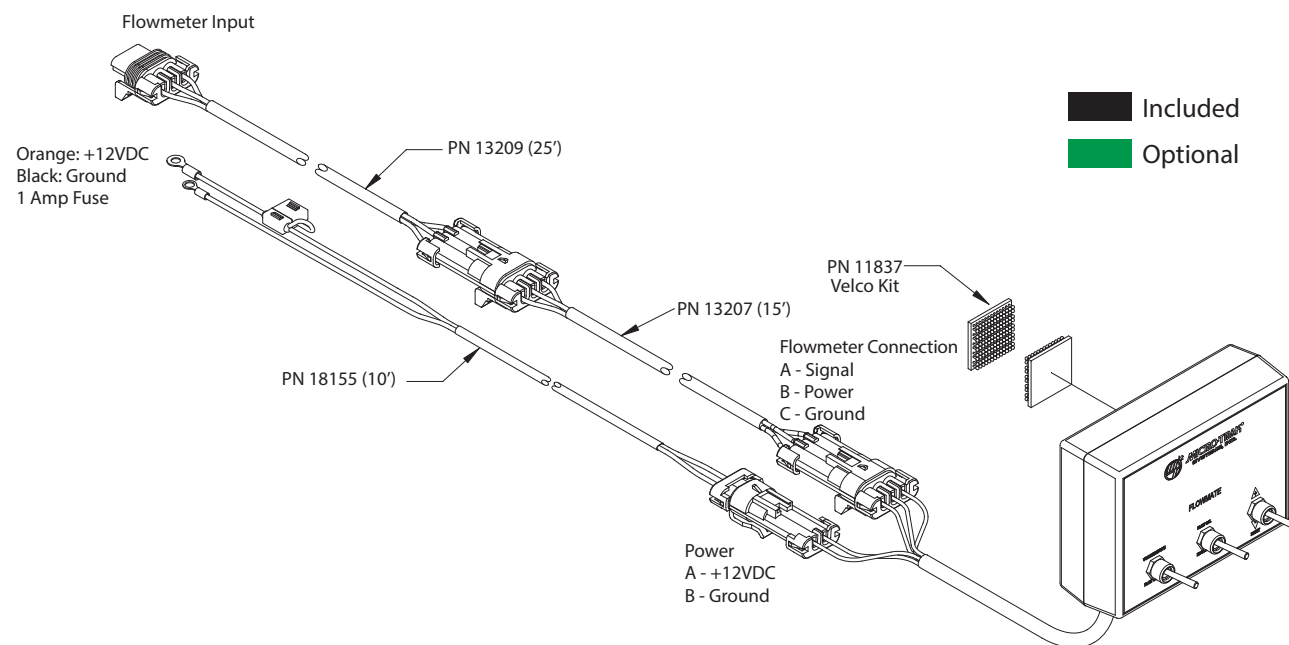


The FlowMate is a simple to operate, highly accurate, liquid flow monitor. Achieve more precise mixes of chemicals while improving your inventory control.

Features:

- Simple setup and calibration
- Monitors flow information in English or metric units
- Easy to integrate into your system; many sizes of compatible flowmeters available

FlowMate™ System Layout



FlowMate™ - Flow Monitor

01740	FlowMate™ Kit, w/ FM750 GFN LF	\$1,224.00
01741	FlowMate™ Kit, w/ FM750 GFN	\$1,095.00
01739	FlowMate™ Customized Kit, (select flowmeter kit)	\$552.00

Flowmeter Kits (See page 14)

**3 YEAR
WARRANTY**
**LIFETIME
SERVICE**

BATCH CONTROLLERS

Flo-Pro™

02016 KIT: included w/ console

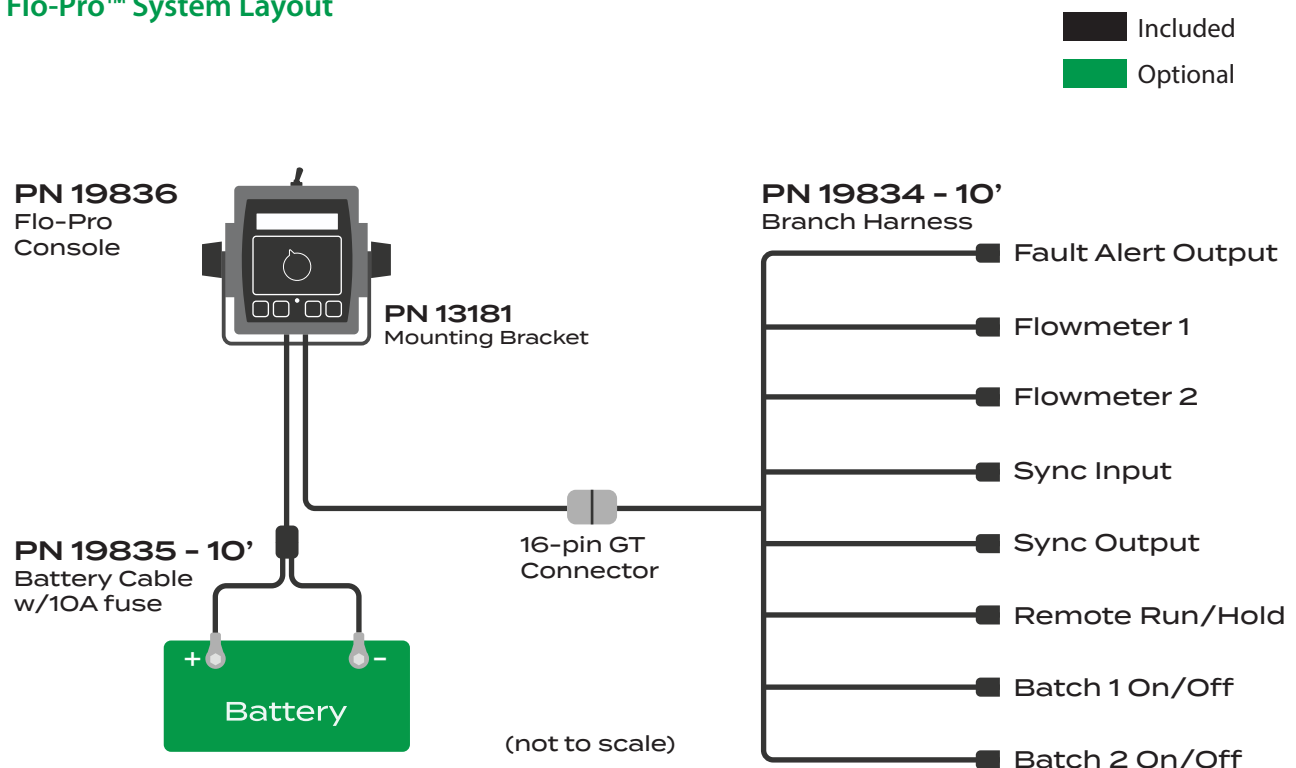


A two channel controller designed to accurately meter and dispense liquids. It is intended to be part of a complete batching system consisting of the Flo-Pro console, two flowmeters, two control valves, and a connection for an optional remote run/hold switch.

Features:

- Multiple operation modes with automatic shut-off, including single or dual product (simultaneous or sequential)
- LCD screen displays batch countdown, flow rate, and total volume
- Pre-cutoff feature ensures accurate mixing by compensating for slow valve response

Flo-Pro™ System Layout



Dual Channel Liquid Batch Controller

02016 Flo-Pro™ Customized Kit, includes 10' branch harness, 10' power cable _____ \$1,303.00

Optional Items

19877 Flo-Pro™ Relay Kit, 15 Amp max _____ \$262.00

Flowmeter Kits (See page 14)

FLOWMETER KITS

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00



FM270



FM750



MM53



MANUAL CONTROLLERS

Put maximum control at your fingertips with our 10 & 25 Amp Manual Controllers.

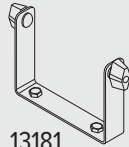
They work by adjusting the speed of any 12v pump and are accurate over a wide range of RPMs. Ideal for controlling low-volume starter fertilizers on seed drills and planters.

Features:

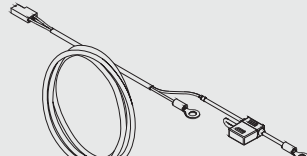
- Built-in Circuit Breaker
- Available pressure gauge bracket
- On/off control switch with indicator LED

MC-10 Manual Controller (10 amp)

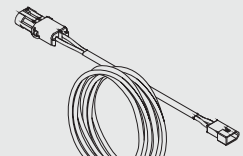
01067 KIT: included w/ console



13181
Console
Mount Kit

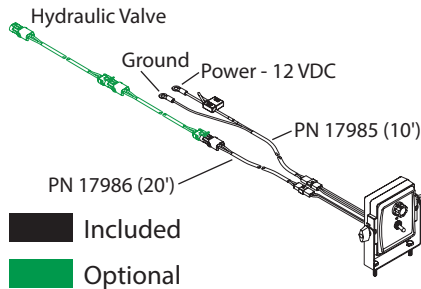


17985
Power Cable, 10'



17986
Motor Cable, 20'

MC-10 System Layout



MC-10 Manual Controller (10 amp)

01067 MC-10 Manual Controller Kit _____ \$343.00

Optional Items

01535 Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension _ \$221.92

Extension Cables

11560 Extension Cable, 2-pin WP, 5' _____ \$61.62

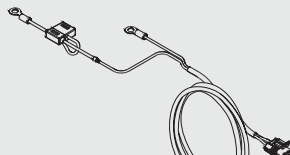
11561 Extension Cable, 2-pin WP, 10' _____ \$71.58

11671 Extension Cable, 2-pin WP, 15' _____ \$77.89

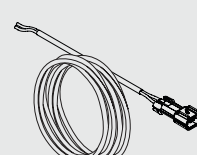
11672 Extension Cable, 2-pin WP, 20' _____ \$79.54

MC-25 Manual Controller (25 amp)

01068 KIT: included w/ console

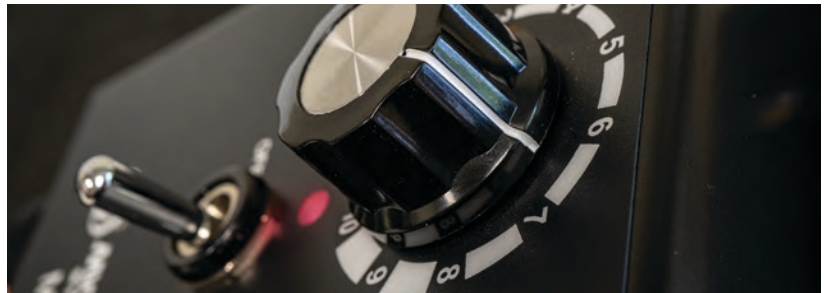
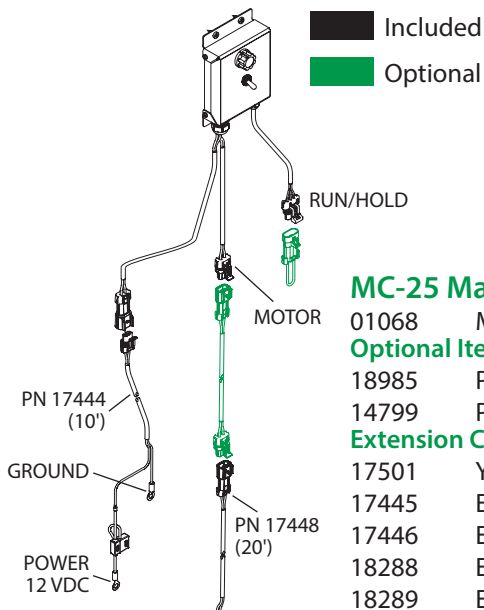


17444
Power Cable, 10'



17448
Motor Cable, 20'

MC-25 System Layout



MC-25 Manual Controller (25 amp)

01068 MC-25 Manual Controller Kit _____ \$651.00

Optional Items

18985 Pressure Gauge Bracket, MC-10, (Deep Back, No Gauge) _____ \$72.56

14799 Pressure Gauge Bracket for MC-25, (gauge not included) _____ \$40.00

Extension Cables

17501 Y Cable, 2 Pin MP 280, 1 Shroud & 2 towers, 20", (25 Amp MC dual motor) _ \$128.95

17445 Extension Cable, 2-pin MP 280, 10' _____ \$129.26

17446 Extension Cable, 2-pin MP 280, 20' _____ \$203.09

18288 Extension Cable, 2-pin MP 280, 5' _____ \$92.26

18289 Extension Cable, 2-pin MP 280, 15' _____ \$166.26

18290 Extension Cable, 2-pin MP 280, 25' _____ \$240.10

SAFEGUARD™ BLOCKAGE MONITORS

Select from **A B C D E F** to build custom systems

A SafeGuard™ Controller

SafeGuard™ ISOmod™ **02000 KIT: included w/ console**



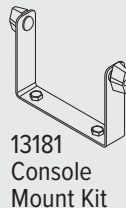
19690 Harness



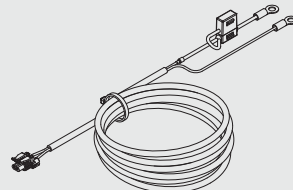
SafeGuard™ ISOmod™

02000 SafeGuard™ ISOmod™ Kit, Amphenol conn. _____ \$1,478.00

SafeGuard™ Console **01999 KIT: included w/ console**



13181
Console
Mount Kit



18982 Power
Cable, 10'



19624 M/P to
Amph, 15'



19682
Terminator

SafeGuard™ Console

01999 SafeGuard™ Console Kit, Amphenol conn. _____ \$1,278.00

B SafeGuard™ Sensor Kits

01994 Liquid Blockage Sensor, SafeGuard™, Amphenol, PVC, short leads (ganged) _____ \$191.00
 01995 Liquid Blockage Sensor, SafeGuard™, Amphenol, PVC, long leads (over row) _____ \$219.00
 01996 Fumigant Blockage Sensor, SafeGuard™, Amphenol, Trogamid, short leads (ganged) _____ \$214.18
 01997 Fumigant Blockage Sensor, SafeGuard™, Amphenol, Trogamid, long leads (over row) _____ \$255.00

C IBIC Breakaway Implement Cable or ISOBUS Tap Cable Options

19700 C IBIC Breakaway Implement Cable, w/ power connection, 10' _____ \$876.00
 15891 B IBIC Breakaway Implement Cable, w/power connection, 30' _____ \$1,310.00
 18894 B ISOBUS Tap Cable, 6-pin MP 150 _____ \$269.00
 18895 C ISOBUS Tap Cable, 12-pin Ampseal, John Deere® _____ \$269.00
 18896 B ISOBUS Tap Cable, 4-pin Delphi MP 630, Great Plains/Dickey JOHN® _____ \$269.00
 18897 B ISOBUS Tap Cable, 8-pin GT280, Case IH® _____ \$269.00
 19857 ISOBUS Tap Cable Kit, w/ 6-pin MP150, 18894 and 18955 ECU power adapter cable _____ \$361.00
 18955 Adapter Cable Kit, ECU power _____ \$169.00
 16041 A ISOBUS Tap Cable, 12-pin Deutsch, Case IH® 2100 Series Planter _____ \$269.00
 18944 Tap Cable (in-cab) Kit, w/ power cable, Deutsch DTM _____ \$269.00
 18945 Tap Cable (in-cab) Kit, w/ power cable, Deutsch DT _____ \$361.00
 18950 Tap Cable (in-cab) Kit, w/ power adapter, Deutsch DT _____ \$361.00
 18967 Terminator Cable, w/TBC Plug, Deutsch DT _____ \$211.21
 18968 Terminator Cable, w/TBC Plug, Deutsch DTM _____ \$235.00

Extension Cable Options

19774 ISOBUS Extension Cable, 6-pin MP 150, 5' _____ \$222.88
 19775 ISOBUS Extension Cable, 6-pin MP 150, 10' _____ \$244.45
 19776 ISOBUS Extension Cable, 6-pin MP 150, 20' _____ \$287.48
 19777 ISOBUS Extension Cable, 6-pin MP 150, 30' _____ \$330.63
 19778 ISOBUS Extension Cable, 6-pin MP 150, 40' _____ \$373.80

*SafeGuard™ Blockage Monitors***Amphenol Extension Cables for SafeGuard™ Sensors**

19694 B	Extension Cable, 6-pin Amphenol twisted pair, 2.5'	\$78.86
19616 B	Extension Cable, 6-pin Amphenol twisted pair, 5'	\$97.42
19617 B	Extension Cable, 6-pin Amphenol twisted pair, 10'	\$132.98
19618 B	Extension Cable, 6-pin Amphenol twisted pair, 15'	\$169.30
19619 B	Extension Cable, 6-pin Amphenol twisted pair, 20'	\$205.64
19620 B	Extension Cable, 6-pin Amphenol twisted pair, 25'	\$241.97
19621 B	Extension Cable, 6-pin Amphenol twisted pair, 30'	\$278.32

JWPF Extension Cables for SafeGuard™ Sensors (pre-2017)

18525	Extension Cable, 6-pin MP150, w/ twisted pair, 15'	\$153.06
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D Implement Switch Options

18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
19625 A	Implement Switch Module, SafeGuard™, w/long Amphenol	\$324.08
01998	Run/Hold Sensor Kit, whisker switch, magnetic mount, includes 18541 and 19625A	\$500.00

E SafeGuard™ Sensor Cartridges (All Cartridges are Net Price Only)

18687	Sensor Cartridge, SafeGuard™, PP, pink	\$4.34 NET
18688	Sensor Cartridge, SafeGuard™, HDPE, orange	\$4.34 NET
18511	Sensor Cartridge, SafeGuard™, HDPE, green	\$4.34 NET
18689	Sensor Cartridge, SafeGuard™, HDPE, yellow	\$4.34 NET
18691	Sensor Cartridge, SafeGuard™, HDPE, blue	\$4.34 NET
18692	Sensor Cartridge, SafeGuard™, HDPE, red	\$9.19 NET
18693	Sensor Cartridge, SafeGuard™, HDPE, brown	\$7.28 NET
18694	Sensor Cartridge, SafeGuard™, HDPE, grey	\$7.28 NET
18695	Sensor Cartridge, SafeGuard™, HDPE, white	\$11.32 NET
19060	Sensor Cartridge, SafeGuard™, HDPE, black, high range, fumigant compatible	\$4.34 NET
19928	Sensor Cartridge, SafeGuard™, HDPE, black, w/range extender, low range, fumigant compatible	\$12.52 NET

F Sensor Fittings

18489	Plug, PP, FKM (Viton® type) o-ring, no threads	\$7.65
18515	Plug, PP, FKM (Viton® type) o-ring, 1/4" FPT	\$7.65
18516	Plug, PP, FKM (Viton® type) o-ring, 3/8" FPT	\$7.65
18517	Plug, PP, FKM (Viton® type) o-ring, 3/4" FPT	\$7.65
18622	Plug, PP, FKM (Viton® type) o-ring, 3/4" straight hose barb	\$7.65
18623	Plug, PP, FKM (Viton® type) o-ring, 1" straight hose barb	\$7.65
18624	Plug, PP, FKM (Viton® type) o-ring, 3/8" hose barb w/ 90° elbow	\$7.65
18625	Plug, PP, FKM (Viton® type) o-ring, 1/2" hose barb w/ 90° elbow	\$7.65
18626	Plug, PP, FKM (Viton® type) o-ring, 1/4" John Guest w/90° elbow	\$16.92
18670	Plug, PP, FKM (Viton® type) o-ring, 5/16" John Guest w/ 90° elbow	\$18.47
18627	Plug, PP, FKM (Viton® type) o-ring, 3/8" John Guest w/ 90° elbow	\$17.31
18488	Cap, PP, w/ SS U-clip, no threads	\$7.65
18524	Cap, PP, w/ SS U-clip, 3/4" FPT	\$7.65
18620	Cap, PP, w/ SS U-clip, 3/4" straight hose barb	\$7.65
18621	Cap, PP, w/ SS U-clip, 1" straight hose barb	\$7.65
18493	Tee, PVC, w/ SS U-clip, FKM (Viton® type) o-ring	\$19.15
19017	Tee, PP, w/ SS U-clip, FKM (Viton® type) o-ring, fumigant compatible	\$19.15



SafeGuard™ Blockage Monitors

Replacement Parts

19690	Harness, SafeGuard™ ISOmod™, w/ Amphenol	\$832.04
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Miscellaneous Sensor Parts

18510 C	U-clip, SS	\$2.45
18521	O-ring, FKM (Viton® type)	\$10.00
18963	O-ring, orifice plate	\$1.91
18514	Cartridge Retainer Clip	\$4.22
18653	SafeGuard™ Sensor Mounting Spacer	\$4.55
18721	SafeGuard™ Sensor Bracket	\$13.05
21993	Cartridge Range Extender	\$19.57
02011	Magnet Bar Mount, ISOmod™	\$49.21

Console to Hitch Cable Options

19624 B	Adapter, 6-pin, M/P150 to Amphenol twisted pair, 15'	\$153.05
19676 A	Adapter, 6-pin, M/P150 to Amphenol twisted pair, 25'	\$222.99

Terminators

19681 A	Terminator, 6-pin, Amphenol tower	\$32.88
19682 A	Terminator, 6-pin, Amphenol shroud	\$23.26

Pre-2017 Sensor Adapter Cables

19837 A	Adapter Cable, pre-2017 sensors, JWPF Tower to Amphenol Shroud	\$19.00 NET
19838 A	Adapter Cable, pre-2017 sensors, JWPF Shroud to Amphenol Tower	\$19.00 NET

Pre-2017 SafeGuard™ Parts

18667	Dust Cover, 6-pin RCPTCL	\$12.75
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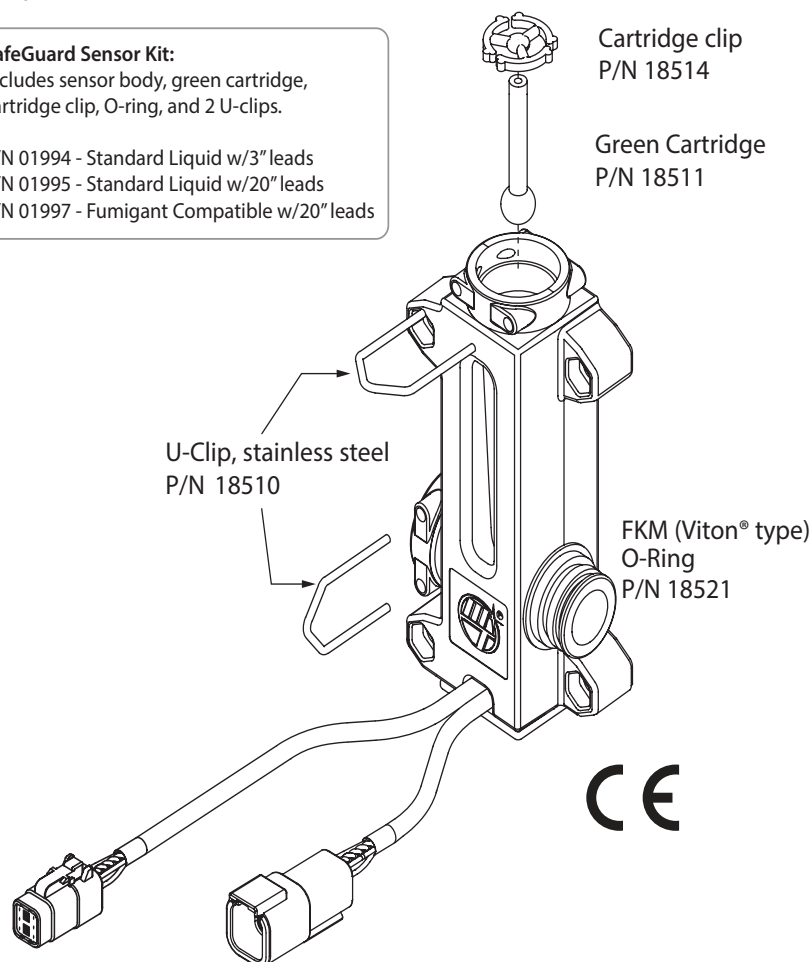
SafeGuard Sensor Kit:

Includes sensor body, green cartridge, cartridge clip, O-ring, and 2 U-clips.

P/N 01994 - Standard Liquid w/3" leads

P/N 01995 - Standard Liquid w/20" leads

P/N 01997 - Fumigant Compatible w/20" leads

**Important Note:**

Effective Jan. 1 2017, SafeGuard™ sensor plugs changed from small JWPF to larger Amphenol. Be certain to check vintage prior to ordering repl. parts.

Pre-2017
GRAY JWPF

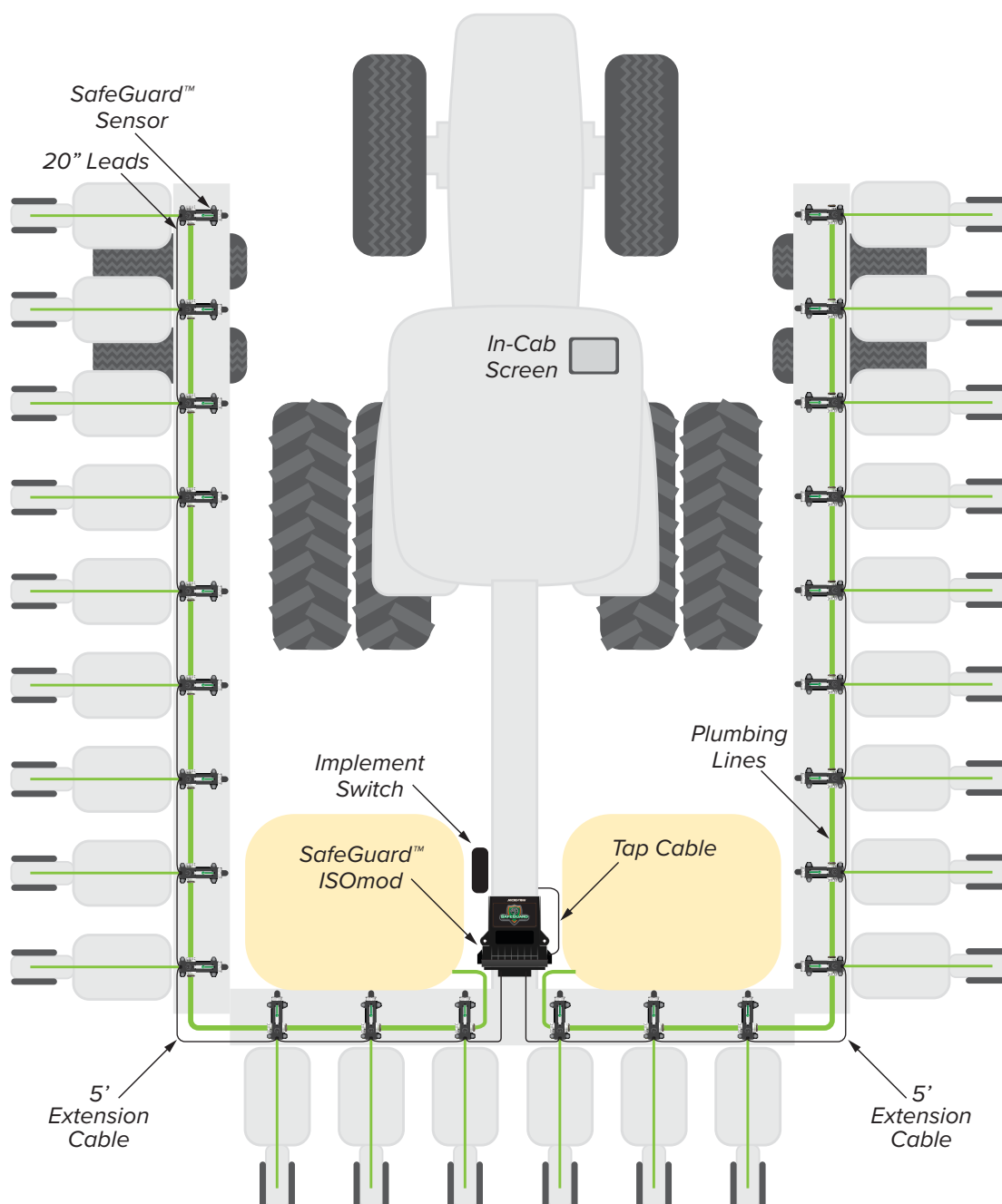


2017-after
BLACK or GRAY
Amphenol





BLOCKAGE MONITOR



2026 Retail Pricing

SafeGuard™ ISOmod™ Over-The-Row System

P/N	Description	Qty
02000	SafeGuard™ ISOmod™ Kit	1
18895 C	John Deere ISO Tab Cable	1
01995	SafeGuard™ Sensor Kit, 20" Leads* 24	
18541	Implement Whisker Switch Kit	1
19616	Extension Cable, 5'	2

24 ROW - LIST PRICE: \$8,414.43

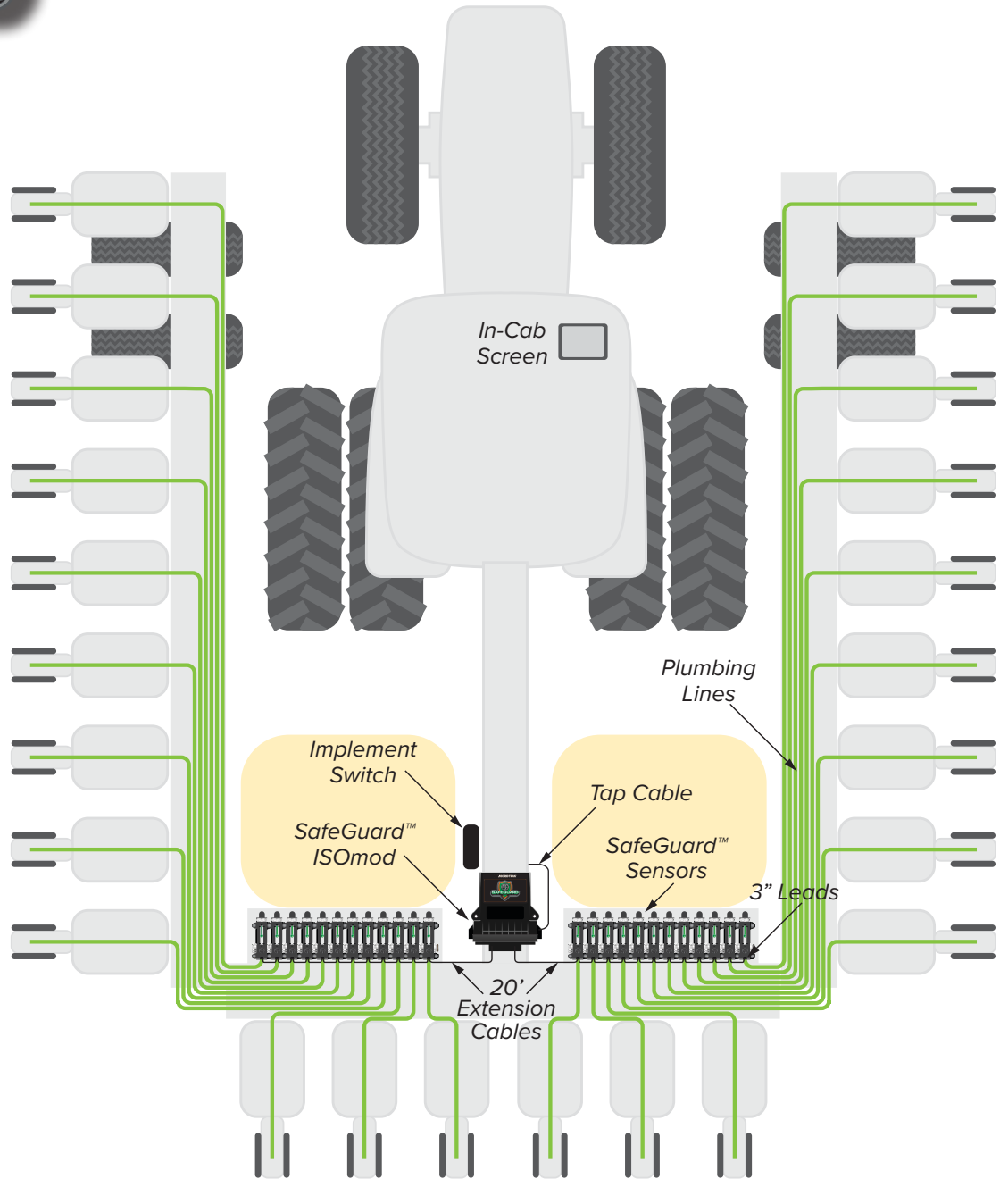
Options

P/N	Description	Qty
18721	Sensor Brackets	24
18653	Mounting Spacers	48
19617	6-Pin Amphenol Extension Cable, 10'	1
19619	6-Pin Amphenol Extension Cable, 20'	1

*Sensor Kits include Green Cartridges



BLOCKAGE MONITOR



2026 Retail Pricing

SafeGuard™ ISOmod™ Ganged System

P/N	Description	Qty
02000	SafeGuard™ ISOmod™ Kit	1
18895 C	John Deere ISO Tab Cable	1
01994	SafeGuard™ Sensor Kit, 3" Leads*	24
18541	Implement Whisker Switch Kit	1
19619	Extension Cable, 20'	2

24 ROW - LIST PRICE: \$7,636.65

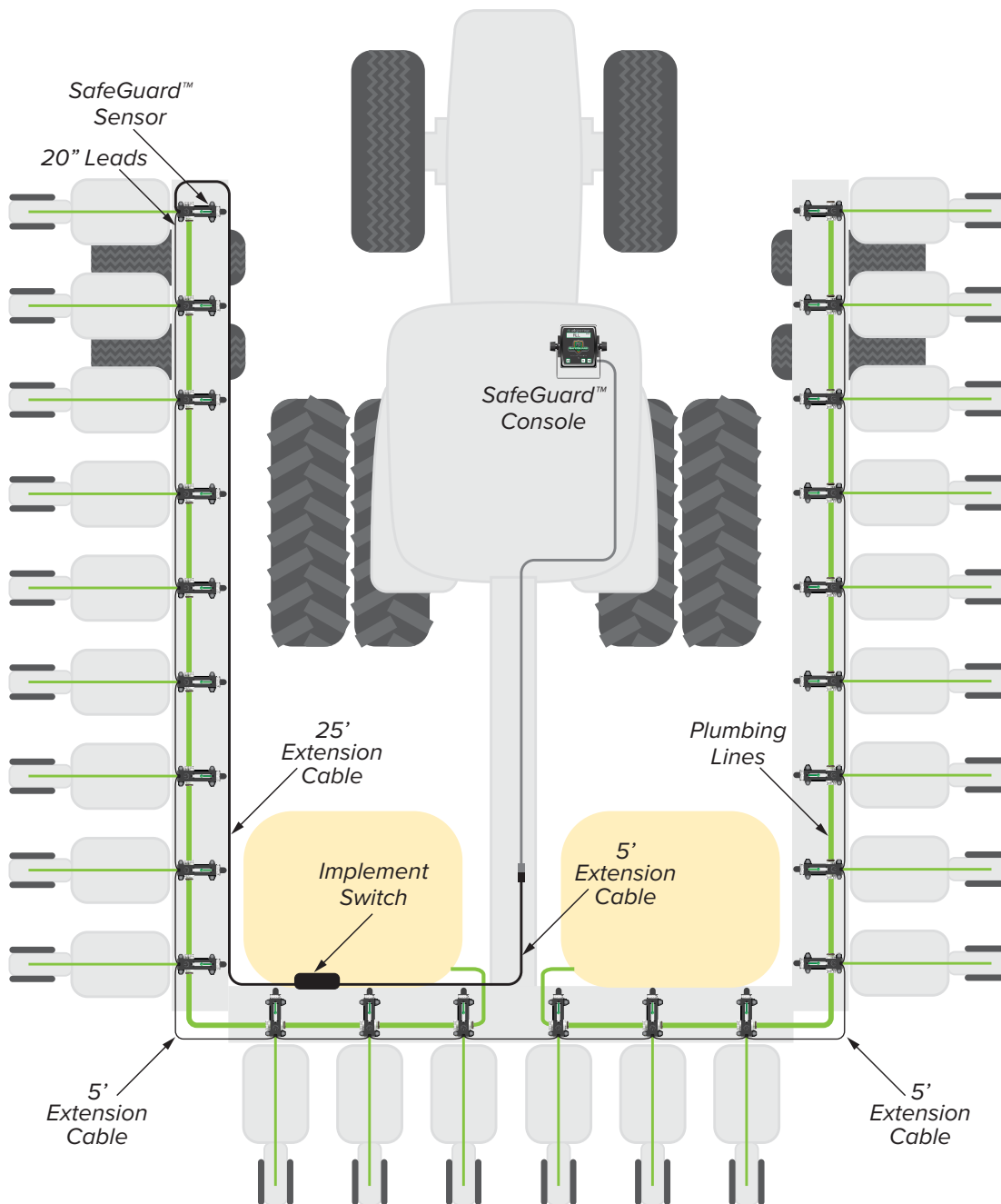
Options

P/N	Description	Qty
18721	Sensor Brackets	24
18653	Mounting Spacers	48

*Sensor Kits include Green Cartridges



BLOCKAGE MONITOR



2026 Retail Pricing

SafeGuard™ Console Over-The-Row System

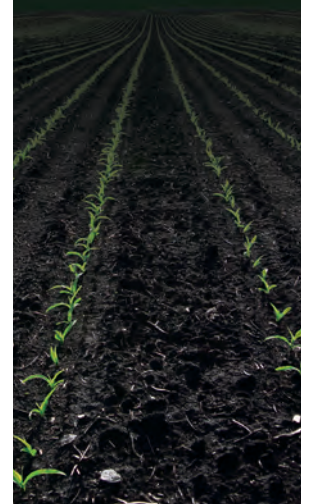
P/N	Description	Qty
01999	SafeGuard™ Console Kit	1
01995	SafeGuard™ Sensor Kit, 20" Leads* 24	
01998	Run/Hold Sensor Kit	1
19616	Extension Cable, 5'	3
19620	Extension Cable, 25'	1

24 ROW - LIST PRICE: \$8,061.60

Options

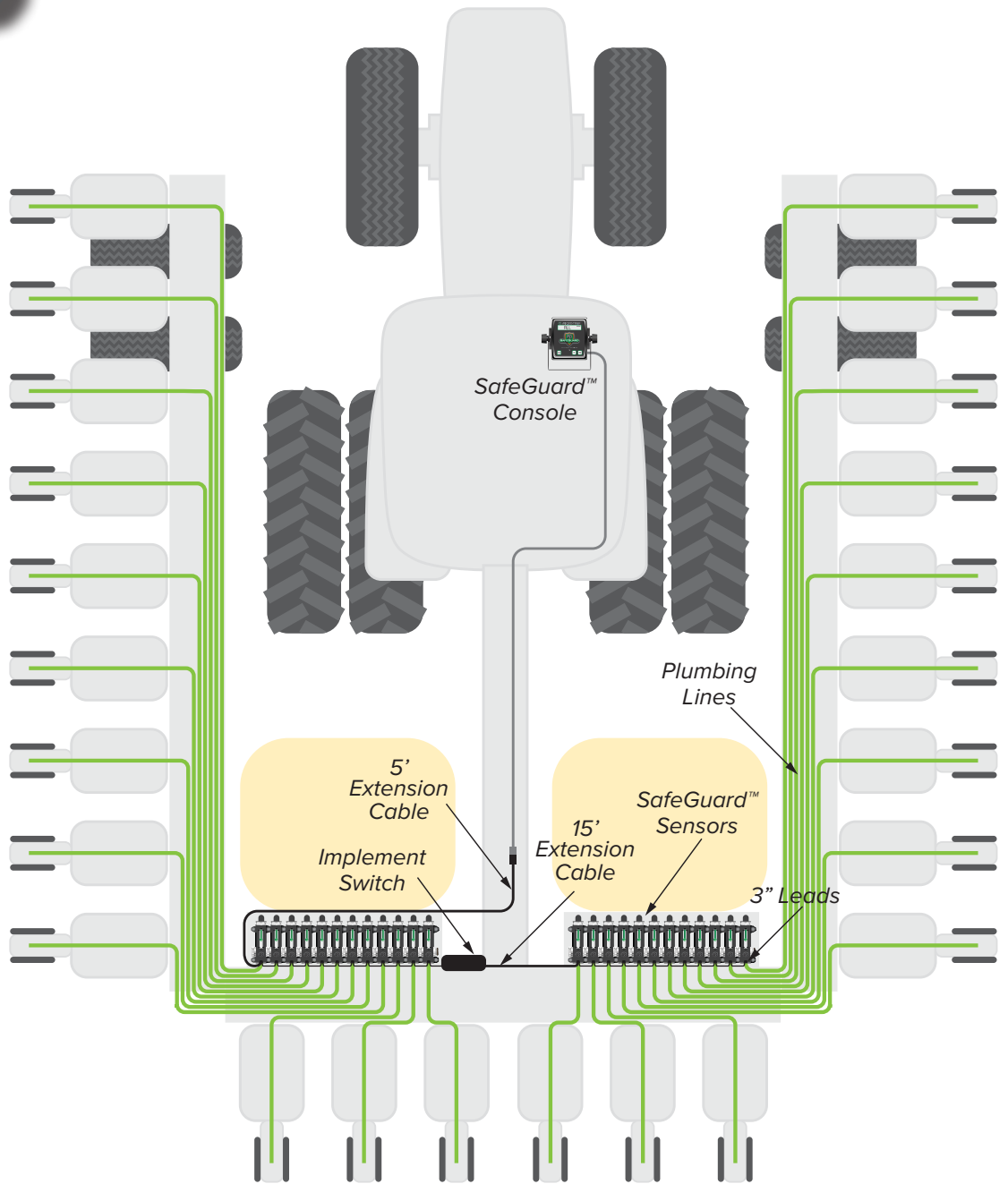
P/N	Description	Qty
18721	Sensor Brackets	24
18653	Mounting Spacers	48

*Sensor Kits include Green Cartridges





BLOCKAGE MONITOR



2026 Retail Pricing

SafeGuard™ Console Ganged System

P/N	Description	Qty
01999	SafeGuard™ Console Kit	1
01994	SafeGuard™ Sensor Kit, 3" Leads*	24
01998	Run/Hold Sensor Kit	1
19616	Extension Cable, 5'	1
19618	Extension Cable, 15'	1

24 ROW - LIST PRICE: \$7,138.49

Options

P/N	Description	Qty
18721	Sensor Brackets	24
18653	Mounting Spacers	48

*Sensor Kits include Green Cartridges

SAFEGUARD™ SENSOR FITTINGS



BLOCKAGE MONITOR



Plug
18489 No Threads



Cap
18524 3/4" FPT



Cap
18488 No Threads



Plug
18515 1/4" FPT
18516 3/8" FPT
18517 3/4" FPT



Plug
Straight Hose Barb
18622 3/4"
18623 1"



Tee Fitting
18493 Liquid Rated
19017 Fumigant Rated*

**Stainless Steel*



Plug
Elbow Hose Barb
18624 3/8"
18625 1/2"



Cap
Straight Hose Barb
18620 3/4"
18621 1"



Plug
John Guest® Elbow
18626 1/4"
18670 5/16"
18627 3/8"

18489	Plug, PP, FKM (Viton® type) o-ring, no threads	\$7.65
18515	Plug, PP, FKM (Viton® type) o-ring, 1/4" FPT	\$7.65
18516	Plug, PP, FKM (Viton® type) o-ring, 3/8" FPT	\$7.65
18517	Plug, PP, FKM (Viton® type) o-ring, 3/4" FPT	\$7.65
18622	Plug, PP, FKM (Viton® type) o-ring, 3/4" straight hose barb	\$7.65
18623	Plug, PP, FKM (Viton® type) o-ring, 1" straight hose barb	\$7.65
18624	Plug, PP, FKM (Viton® type) o-ring, 3/8" hose barb w/ 90° elbow	\$7.65
18625	Plug, PP, FKM (Viton® type) o-ring, 1/2" hose barb w/ 90° elbow	\$7.65
18626	Plug, PP, FKM (Viton® type) o-ring, 1/4" John Guest w/90° elbow	\$16.92
18670	Plug, PP, FKM (Viton® type) o-ring, 5/16" John Guest w/ 90° elbow	\$18.47
18627	Plug, PP, FKM (Viton® type) o-ring, 3/8" John Guest w/ 90° elbow	\$17.31
18488	Cap, PP, w/ SS U-clip, no threads	\$7.65
18524	Cap, PP, w/ SS U-clip, 3/4" FPT	\$7.65
18620	Cap, PP, w/ SS U-clip, 3/4" straight hose barb	\$7.65
18621	Cap, PP, w/ SS U-clip, 1" straight hose barb	\$7.65
18493	Tee, PVC, w/ SS U-clip, FKM (Viton® type) o-ring	\$19.15
19017	Tee, PP, w/ SS U-clip, FKM (Viton® type) o-ring, fumigant compatible	\$19.15



Choosing the correct cartridge:

1. Calculate your target "GOOD" flow rate in GPM or L/Min using the equation below:

$$\text{Speed (MPH)} \times \text{Rate (GPA)} \times \text{Spacing (inches)} / 5940$$
 or

$$\text{Speed (KM/H)} \times \text{Rate (L/H)} \times \text{Spacing (cm)} / 60,000$$
2. Find the calculated GPM or L/Min value on the left side of the chart.
3. Determine the density of the product you will be applying and find this value at the bottom of the chart.
4. The point of intersection is the optimal color cartridge. Any cartridge rated for lower flow rates will also work.

Weight of water = 8.34 lb/gal (1 kg/l)

Example of weights of liquid fertilizers (approx):

7-17-3 – 10.59 lb/gal (1.27 kg/l)

28-0-0 – 10.67 lb/gal (1.28 kg/l)

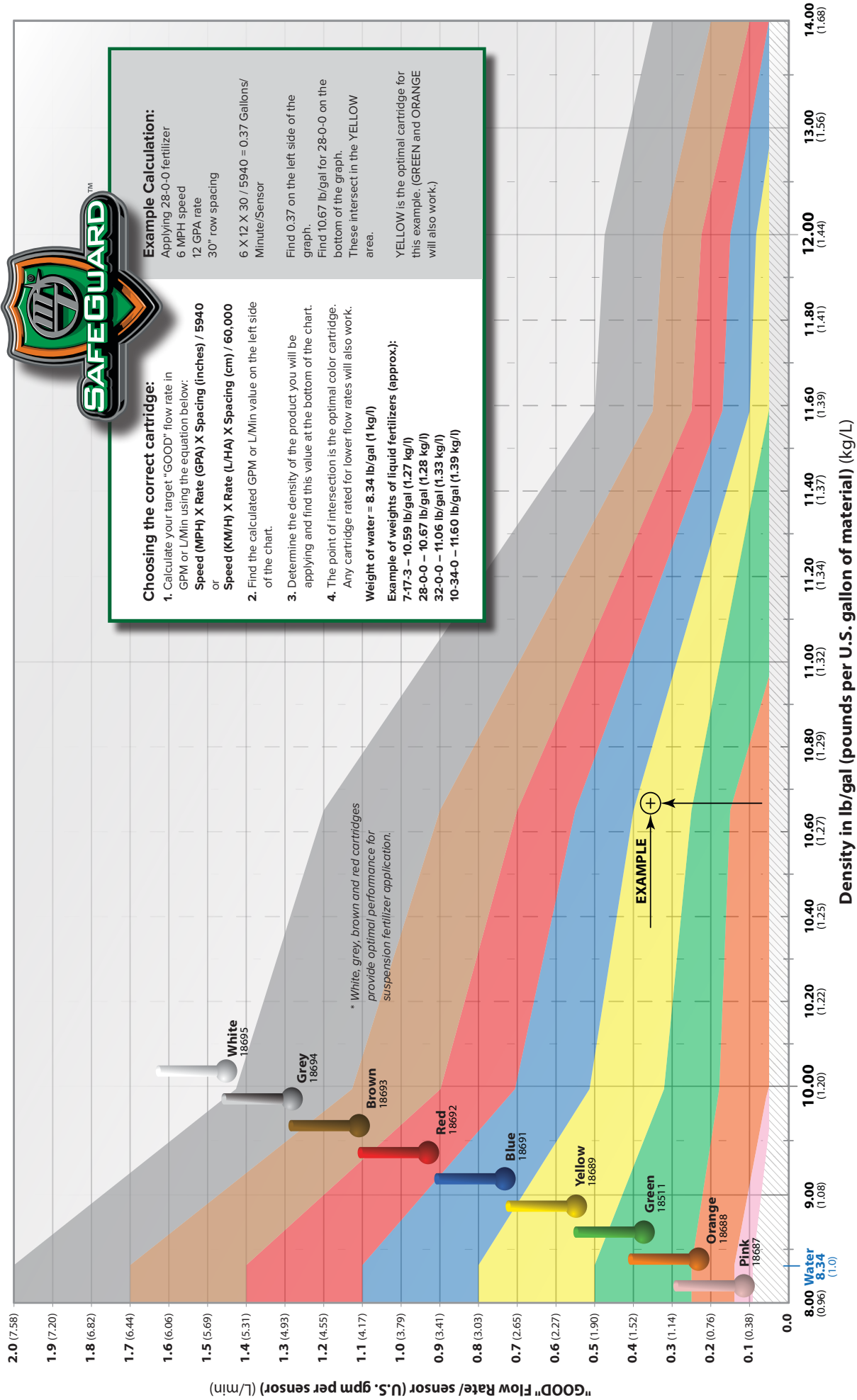
32-0-0 – 11.06 lb/gal (1.33 kg/l)

10-34-0 – 11.60 lb/gal (1.39 kg/l)

Example Calculation:

Applying 28-0-0 fertilizer
 6 MPH speed
 12 GPA rate
 30" row spacing
 $6 \times 12 \times 30 / 5940 = 0.37$ Gallons/Minute/Sensor
 Find 0.37 on the left side of the graph.
 Find 10.67 lb/gal for 28-0-0 on the bottom of the graph.
 These intersect in the YELLOW area.

YELLOW is the optimal cartridge for this example. (GREEN and ORANGE will also work.)



Range of Commonly Used Liquids

AUTOMATIC RATE CONTROLLER KITS

Automatic Rate Controller Product Guide

					
Channels	1	1	1	2	2
Section Outputs	3	3	3, 5 or 7	3, 5 or 7	12
Multifunction Outputs	-	1	2	2 per Channel	2 per Channel
PWM Output	-	Yes	Yes	Yes	Yes
Control Modes	Standard Servo	PWM or Standard Servo	PWM or Standard Servo	PWM or Standard Servo	PWM or Standard Servo
Flow Based Control	Yes	Yes	Yes	Yes	Yes
Pressure Based Control	-	Yes	Yes	Yes	Yes
Pressure Limit Alarm	-	Yes	Yes	Yes	Yes
Controllable Materials	Liquid or NH3	Liquid or NH3	Liquid or NH3	Liquid and/or NH3	Any Combination of Liquid, NH3 or Granular

MT-2405F™ II

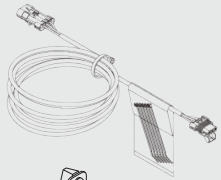
MT-2405F™ II KIT: included w/ console



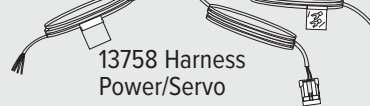
10449 Extension Cable, 10'



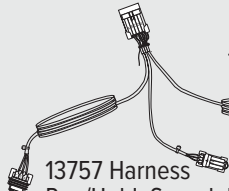
13206 Extension Cable, 10'



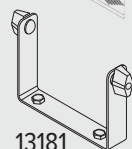
13758 Harness Power/Servo



13757 Harness Run/Hold, Speed, Flow, 10'



13181 Console Mount Kit



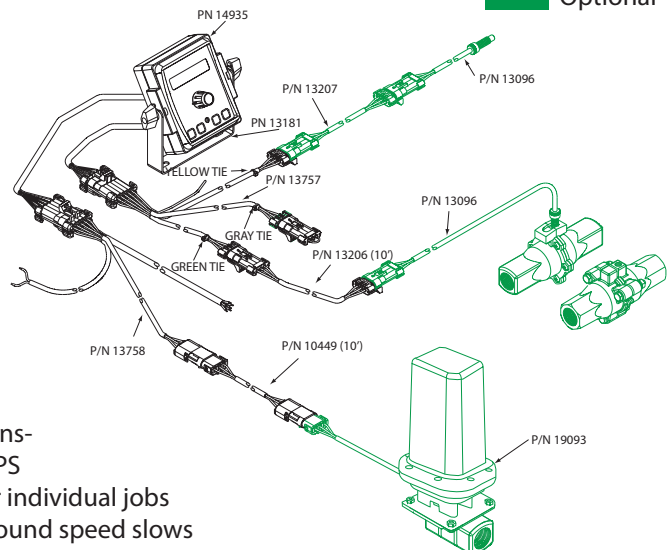
The MT-2405F II offers flexible 5 Section Control – designed to integrate into systems with existing control switches. A universal harness is available to update manual sprayer control systems.

Features:

- Flow based control
- Designed for use with existing boom control switches
- On-the-go rate adjustment
- Built-in capability for future VRA
- Choice of English, Metric, or Turf units of measurement.
- Tank counter shows amount remaining in tank
- Enhanced reliability, precision and accuracy
- Inline/bypass for servos
- Push-button auto/manual feature for spot treatments
- Precise rate control regardless of field conditions
- Solenoid and ball valve compatible
- Controls electric and hydraulic valves/motors
- Optional flowmeter kits and control valve kits
- Can be used with EMD (Electric Motor Driver)
- Built-in boom controls for up to 5 separate boom sections-
- Compatible with radar speed sensors as well as Astro GPS
- Records area and volume in 3 independent counters for individual jobs
- Minimum flow feature ensures proper application as ground speed slows

MT-2405F™ II System Layout

 Included
 Optional



MT-2405 II Customized Controller

MT-2405F™ II Complete kit

01224 MT-2405 F™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, magnetic wheel sensor _____ \$2,110.00
Optional Items (See page 40)

MT-2405F™ II CUSTOMIZED RATE CONTROLLER

Select from **A B C D E** to build custom systems

A Console with Main Harness

01226 MT-2405 F™ II Customized Kit, (use with existing section switches) _____ \$894.00

B Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00
 01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00
 01437 Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II _____ \$793.00
 01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00
 01531 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets _____ \$284.00
 01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00
 01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984 FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS _____ \$695.00
 01500 FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy _____ \$547.00
 01501 FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$547.00
 01504 FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$984.00
 01507 FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT _____ \$984.00
 01851 FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$1,114.00
 01650 FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$675.00
 01505 FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy _____ \$1,068.00
 01515-P A FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$597.00
 01898-P A FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$641.00
 01514-P A FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$619.00
 01506 FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,404.00
 01506-P A FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,059.00
 01519 FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,462.00
 01519-P A FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,101.00
 01511 ^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic _____ \$1,618.00
 01513 ^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic _____ \$2,116.00

Electromagnetic Flowmeter Kits

01901 ^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01821 ^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01822 ^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01823 ^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01824 ^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01825 ^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01826 ^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS _____ \$2,258.00
 02015 ^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS _____ \$2,258.00
 01827 ^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS _____ \$2,258.00
 01749 MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS _____ \$1,512.00
 02086 A ^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS _____ \$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI _____	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI _____	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI _____	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI _____	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200 _____	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____	\$631.00

EMD - Electric Motor Driver Kits

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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E Optional Items

01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13220	Extension Cable, 10-pin MP 150, 5' _____	\$149.74
13221	Extension Cable, 10-pin MP 150, 10' _____	\$178.82
13222	Extension Cable, 10-pin MP 150, 15' _____	\$204.47
13223	Extension Cable, 10-pin MP150, 20' _____	\$244.92
13224	Extension Cable, 10-pin MP 150, 25' _____	\$288.59

WP (Weather Pack) Extension Cables

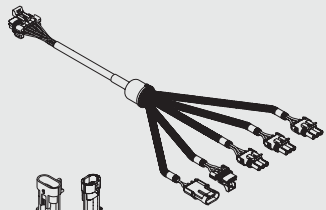
10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45

Replacement Parts

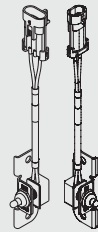
13757	Branch Harness, speed, run/hold, MT-2405 F™ II and FTW II, 10' _____	\$243.69
13758	Branch Harness, boom, power, servo, MT-2405 F™ II and FTW II, 10' _____	\$209.18

SprayMate™ II

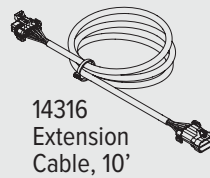
SprayMate™ II KIT: included w/ console



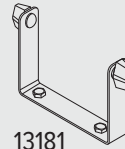
14313 Harness
Boom/Servo/Flow



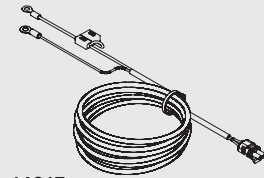
Switches:
21963 Run/Hold
21779 Power



14316
Extension
Cable, 10'



13181
Console
Mount Kit



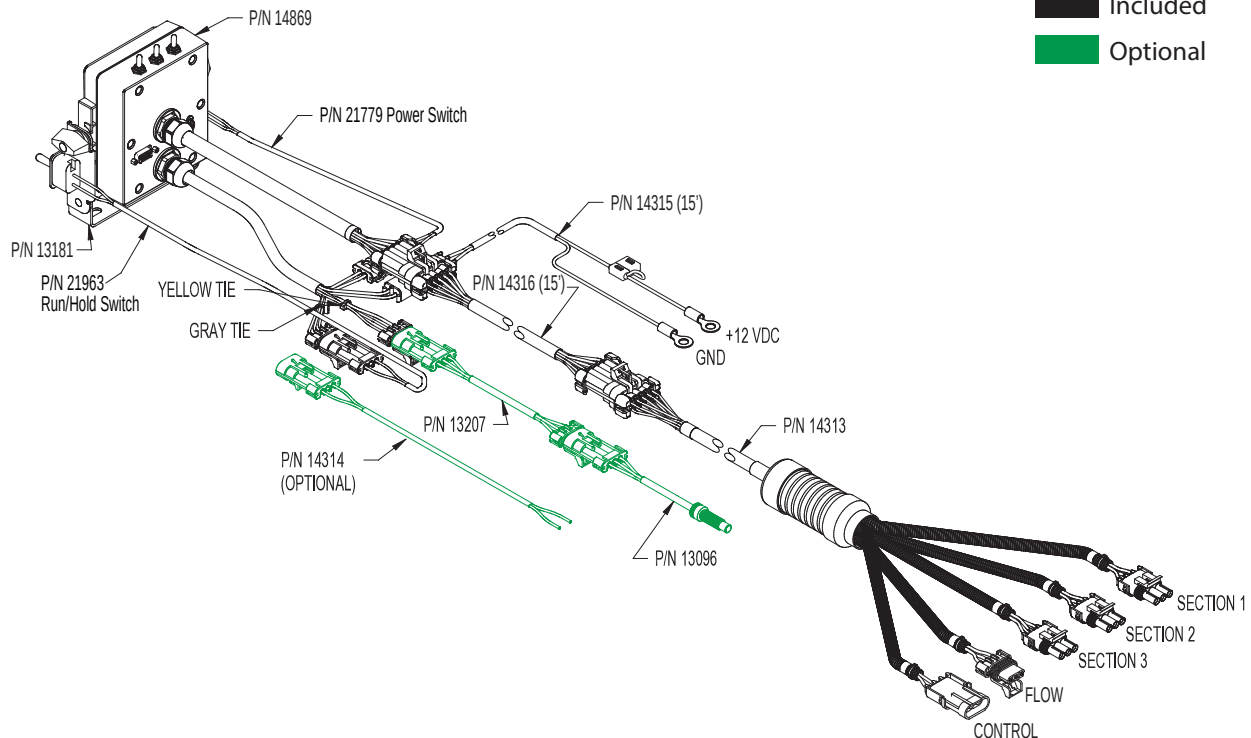
14315
Power Cable, 15'

The SprayMate™ II is a compact, all-in-one controller designed for precise and reliable application of liquids and NH3. With built-in controls for up to three boom sections, it ensures accurate rate regulation no matter the field conditions—delivering the right amount, exactly where it's needed. Easy to integrate with Micro-Trak's trusted application components, SprayMate™ II brings dependable performance to your operation.

Features:

- Self-contained design with built-in 3-section boom control
- Accurate rate regulation in varying field conditions
- Compatible with liquid and NH3 applications
- Works with Micro-Trak flowmeters, servo valves, hydraulic valves, and NH3 Liquifiers
- Supports 12VDC Electric Motor Drivers
- Integrates with Astro GPS speed sensors for precise speed input

SprayMate™ II System Layout



SprayMate™ II - Complete Kits:

01196	SprayMate™ II Starter Fertilizer Kit, w/ FM750 LF, 40-amp EMD, (select speed sensor)	\$2,648.00
01974	SprayMate™ II Starter Fertilizer Kit, w/ FM750LF, 40-amp EMD, Astro™ II GPS Speed Sensor	\$3,185.00
01188	SprayMate™ II Starter Fertilizer Kit, w/ FM500, 40-amp EMD, (select speed sensor)	\$2,522.00
01973	SprayMate™ II Starter Fertilizer Kit, FM500, w/ 40-amp EMD, Astro™ II GPS Speed Sensor	\$3,061.00
01171	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve (select speed sensor)	\$2,113.00
01340	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, magnetic wheel sensor	\$2,370.00
01972	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, Astro™ II GPS Speed Sensor	\$2,652.00

Optional Items (See page 40)

SPRAYMATE™ II CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A Console with Main Harness

01341 SprayMate™ II Customized Kit, 3 section _____ \$1,131.00

B Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00
 01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00
 01437 Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II _____ \$793.00
 01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00
 01531 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets _____ \$284.00
 01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00
 01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984 FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS _____ \$695.00
 01500 FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy _____ \$547.00
 01501 FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$547.00
 01504 FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$984.00
 01507 FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT _____ \$984.00
 01851 FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$1,114.00
 01650 FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$675.00
 01505 FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy _____ \$1,068.00
 01515-P A FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$597.00
 01898-P A FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$641.00
 01514-P A FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$619.00
 01506 FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,404.00
 01506-P A FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,059.00
 01519 FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,462.00
 01519-P A FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,101.00
 01511 ^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic _____ \$1,618.00
 01513 ^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic _____ \$2,116.00

Electromagnetic Flowmeter Kits

01901 ^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01821 ^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01822 ^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01823 ^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01824 ^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01825 ^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01826 ^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS _____ \$2,258.00
 02015 ^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS _____ \$2,258.00
 01827 ^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS _____ \$2,258.00
 01749 MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS _____ \$1,512.00
 02086 A ^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS _____ \$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093 Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI _____ \$451.00
 19094 Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI _____ \$525.00
 19095 Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI _____ \$451.00
 19096 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI _____ \$631.00
 19097 Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200 _____ \$631.00
 19098 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00
 19099 Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00

EMD - Electric Motor Driver Kits

18008 Electric Motor Driver Kit, STD, 10 Amp _____ \$599.00
 01757 Electric Motor Driver Kit, STD, 40 Amp _____ \$895.00

*SprayMate™ II Customized Controller***EMD - Electric Motor Driver Multi-Section Adapter**

18034 Adapter Cable, EMD enable for SprayMate™ II (enable signal when all sections are off) _____ \$120.66

Hydraulic Flow Control Valve Kits

13859 ^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____ \$2,470.00

14885 ^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____ \$2,470.00

13857 ^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____ \$2,470.00

13860 ^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____ \$2,470.00

13858 ^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____ \$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576 ^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____ \$2,436.00

E Optional Items

01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

18541 Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____ \$385.12

18529 A Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____ \$309.85

MP (Metri-Pack) 150 Extension Cables

13200 Extension Cable, 2-pin MP 150, 5' _____ \$77.96

13201 Extension Cable, 2-pin MP 150, 10' _____ \$84.16

13202 Extension Cable, 2-pin MP 150, 15' _____ \$90.98

13203 Extension Cable, 2-pin MP 150, 20' _____ \$94.96

13204 Extension Cable, 2-pin MP 150, 25' _____ \$102.75

13205 Extension Cable, 3-pin MP 150, 5' _____ \$86.15

13206 Extension Cable, 3-pin MP 150, 10' _____ \$91.98

13207 Extension Cable, 3-pin MP 150, 15' _____ \$103.41

13208 Extension Cable, 3-pin MP 150, 20' _____ \$109.98

13209 Extension Cable, 3-pin MP 150, 25' _____ \$117.38

13419 Extension Cable, 3-pin MP 150, 50' _____ \$166.73

14363 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5' _____ \$158.47

14316 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10' _____ \$234.97

14317 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15' _____ \$282.48

14364 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20' _____ \$347.02

14365 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25' _____ \$408.04

14419 Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 50' _____ \$700.53

WP (Weather Pack) Extension Cables

10450 Extension Cable, 3-pin WP, 5' _____ \$80.40

10449 Extension Cable, 3-pin WP, 10' _____ \$90.12

10876 Extension Cable, 3-pin WP, 15' _____ \$102.76

10829 Extension Cable, 3-pin WP, 20' _____ \$113.71

11462 Extension Cable, 3-pin WP, 25' _____ \$124.45

NH3 Application - Liquifier Kits (Liquifier kits come with one master shutoff valve, additional valves may be added)

01815 Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour _____ \$5,640.00

01816 Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour _____ \$5,640.00

01817 Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour _____ \$7,418.00

01818 Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour _____ \$16,395.00

17972 A ^KZValve® NH3 Shutoff Valve, 1" _____ \$1,500.91

When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)

NH3 Plumbing Panel Retrofit Kits

Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.

Note: flowmeter, control valve or shutoff valves are not included.

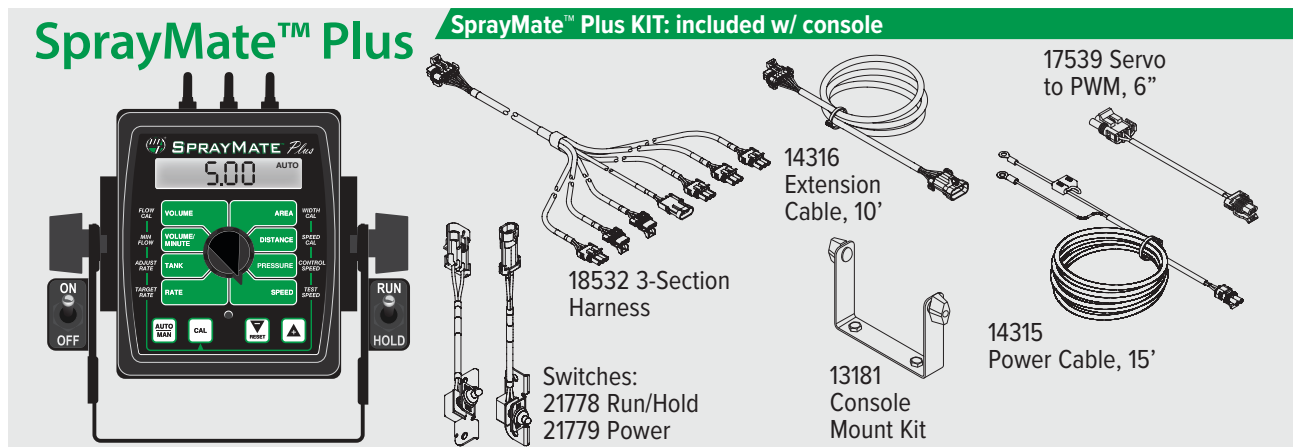
01772 Liquifier Cooler Retro Kit _____ \$3,731.00

01775 Liquifier Max Cooler Retro Kit _____ \$9,347.00

*SprayMate™ II Customized Controller***Replacement Parts**

14311	Main Harness, NH3, SprayMate™ & SprayMate™ II, 10' _____	\$212.24
14313 F	Harness, flow, control, boom, WPT-PGS, SprayMate™ II _____	\$324.54
14314	Ignition Cable, 72" _____	\$45.14
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD _____	\$36.65
17158	Ball Valve Adapter Cable, 3-boom 2-wire, RoadMaster™ & SprayMate II™ _____	\$603.53
17782	Auto Section Cable, SprayMate II™ _____	\$403.00
17786	Multi Section Adapter Cable, SprayMate II™, NH3, 10' _____	\$240.20
17844	Multi-Section Branch Harness, NH3 _____	\$276.09
18034	Adapter Cable, EMD enable for SprayMate™ II (enable signal when all sections are off) _____	\$120.66
18267	Relay, 50A 12v SPST, SprayMate™ II fertilizer kit _____	\$78.43
18777	Harness Adapter Cable, SprayMate™ Plus Console to SprayMate™ II _____	\$105.32
19749	Section Relay Module Enable _____	\$94.38
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™ _____	\$168.88
21779	Power Switch Assembly for consoles _____	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™ _____	\$196.79

3 YEAR
WARRANTY
LIFETIME
SERVICE

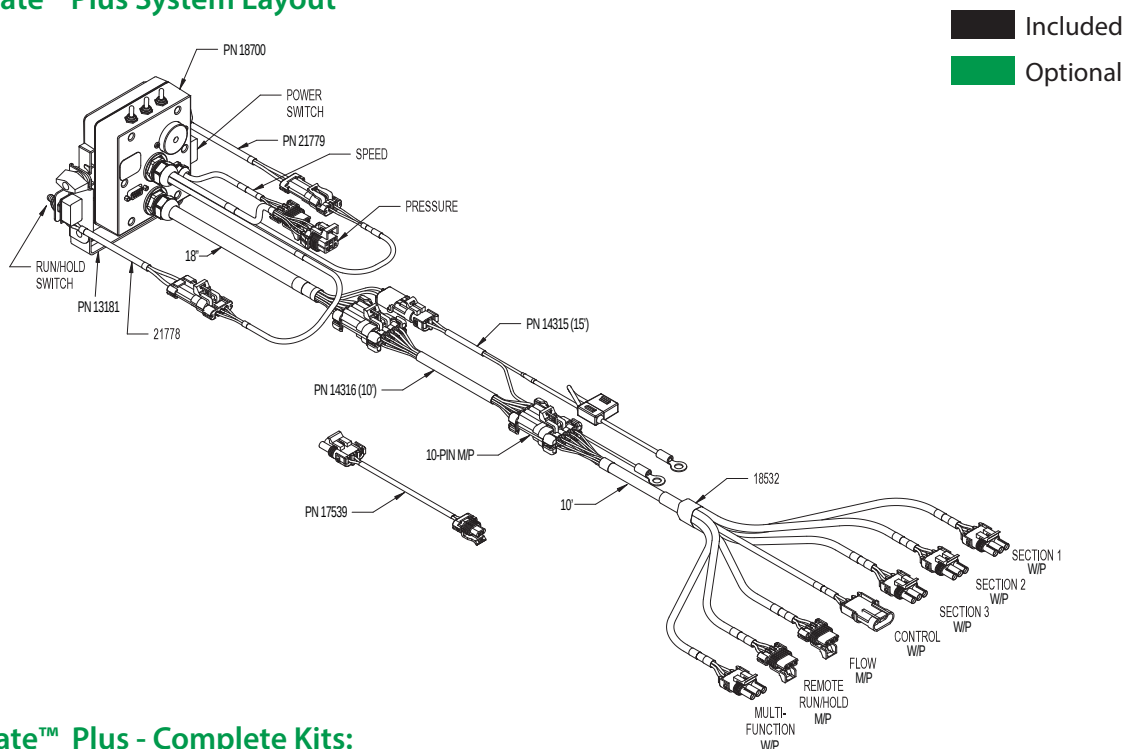


Compact yet powerful, this controller delivers the trusted rate control and calculation features Micro-Trak is known for. It offers flexible options like PWM control and three-way valves, fast valve response to changes in vehicle motion to minimize under-applications, and a "Supervisor Lock-Out" to protect critical calibration data.

Features:

- Supervisor Lockout feature. When locked, it allows operator to view calibration numbers but prevents changes
- Compatible with both Standard or FTW (Flow Three Way) Section valves
- Selectable servo drive options: Standard DC servo, and Pulse Width Modulation (PWM)
- Multi-Function Output with selectable functions:
- Open Loop or Closed Loop control (PWM drive)
- A Quick Start feature can be enabled for triggering immediate application when in Automatic operation
- Application ID setting for vehicle data identification
- Audible alarm for immediate notification of system operation outside of user-specified levels.

SprayMate™ Plus System Layout



SprayMate™ Plus - Complete Kits:

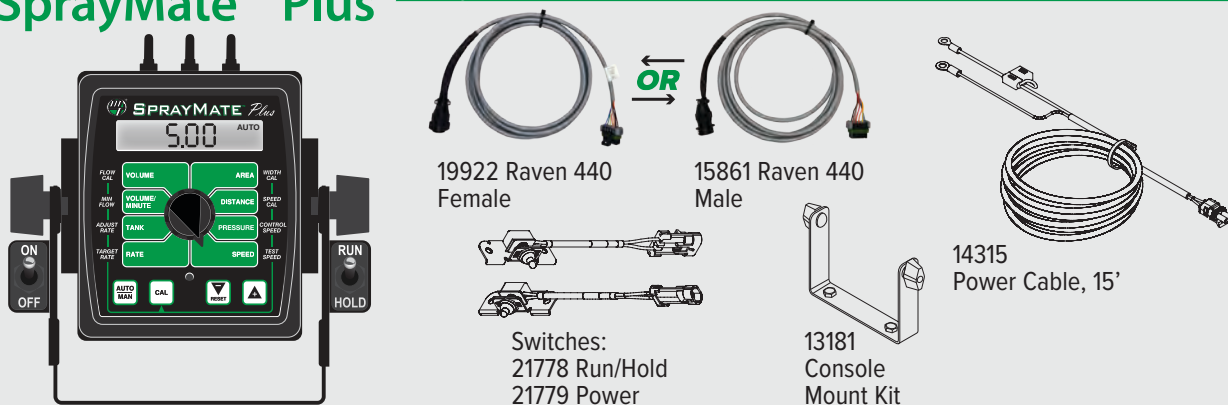
Ready-to-Work Complete Kits:

01866	SprayMate™ Plus Kit, w/ FM 750 GFN, 1" servo valve, (select speed sensor)	\$2,642.00
01352	SprayMate™ Plus Kit, w/ FM750 GFN, 1" servo valve, magnetic speed sensor	\$2,891.00
01935 A	SprayMate™ Plus Starter Fertilizer Kit, w/ FM500, 40-amp EMD, (select speed sensor)	\$3046.00
01965 A	SprayMate™ Plus Starter Fertilizer Kit, w/ FM750 LF, 40-amp EMD, (select speed sensor)	\$3172.00
01975	SprayMate™ Plus Kit, w/ FM 750 GFN flowmeter, 1" servo valve, Astro™ II GPS Speed Sensor	\$3,183.00
02054 A	SprayMate™ Plus Fertilizer Kit, w/ FM750 GFN LF, 40-amp PWM EMD, Astro II GPS Speed Sensor	\$3,764.00

Optional Items (See page 40)

SprayMate™ Plus

SprayMate™ Plus Raven Flow Adapter KIT: included w/ console



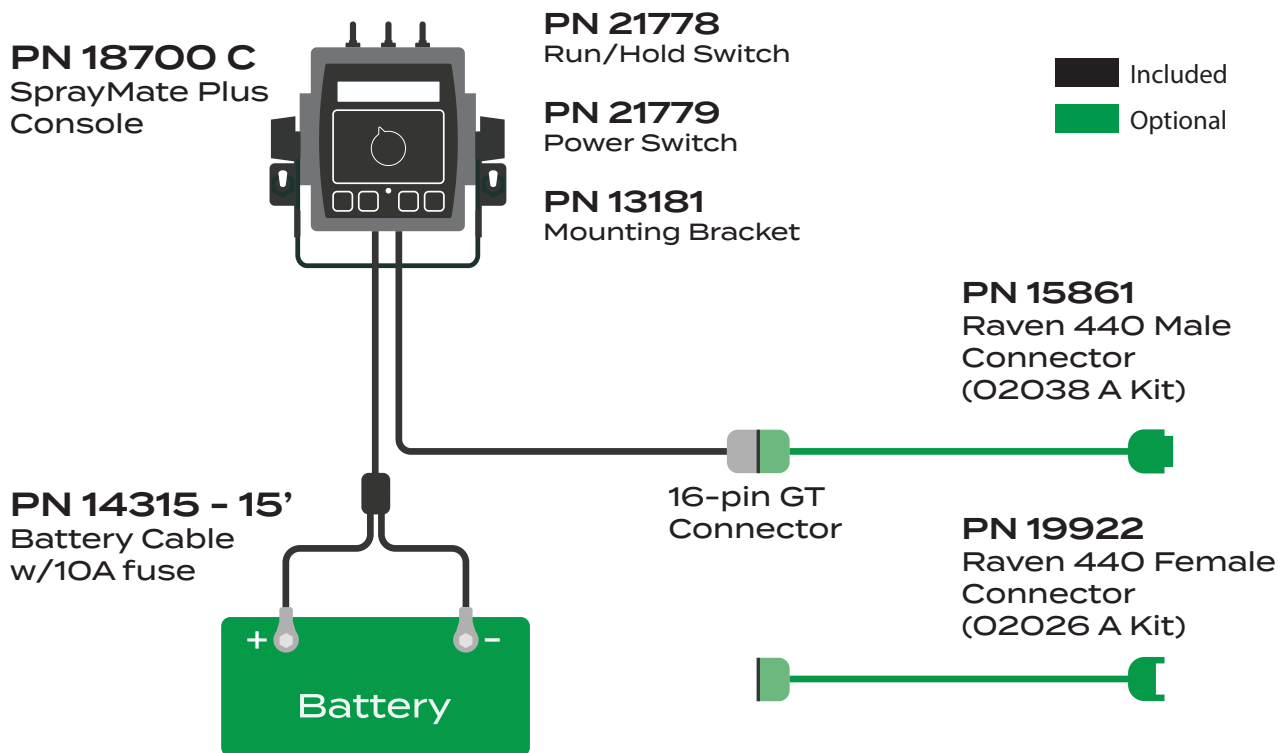
Effortless Integration with Raven Flow Systems

The 02026 Adapter Kit makes connecting your SprayMate™ Plus to a Raven flow system simple and seamless. It includes one of two Adapter Cables, 19922 (CPC female) or 15861 (CPC male), replacing the need for Branch Harness cables 18532 or 18280; streamlining your setup and reducing clutter.

Calibration Made Easy:

SprayMate™ Plus calibration factors are optimized for Micro-Trak components, but if you're using a Raven flowmeter, just divide the number on the flowmeter's calibration tag by 5 and enter that value into the Flow Cal setting. Refer to your SprayMate™ Plus manual for full calibration instructions.

SprayMate™ Plus Raven Flow Adapter System Layout



(not to scale)

SprayMate™ Plus - Complete Raven Flow Adapter Kits: Ready-to-Work Complete Kits:

02026 A	SprayMate™ Plus Kit, w/Raven 440 adapter cable, CPC female connector	\$1,495.00
02038 A	SprayMate™ Plus Kit, w/Raven 440 adapter cable, CPC male (old style) connector	\$1,495.00

Optional Items (See page 40)

SPRAYMATE™ PLUS CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A Consoles with Main Harness

01349 SprayMate™ Plus Customized Kit, 3 section _____ \$1,655.00

B Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00
 01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00
 01437 Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II _____ \$793.00
 01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00
 01531 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets _____ \$284.00
 01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00
 01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984 FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS _____ \$695.00
 01500 FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy _____ \$547.00
 01501 FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$547.00
 01504 FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$984.00
 01507 FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT _____ \$984.00
 01851 FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$1,114.00
 01650 FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$675.00
 01505 FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy _____ \$1,068.00
 01515-P A FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$597.00
 01898-P A FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$641.00
 01514-P A FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$619.00
 01506 FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,404.00
 01506-P A FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,059.00
 01519 FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,462.00
 01519-P A FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,101.00
 01511 ^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic _____ \$1,618.00
 01513 ^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic _____ \$2,116.00

Electromagnetic Flowmeter Kits

01901 ^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01821 ^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01822 ^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01823 ^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01824 ^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01825 ^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01826 ^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS _____ \$2,258.00
 02015 ^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS _____ \$2,258.00
 01827 ^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS _____ \$2,258.00
 01749 MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS _____ \$1,512.00
 02086 A ^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS _____ \$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093 Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI _____ \$451.00
 19094 Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI _____ \$525.00
 19095 Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI _____ \$451.00
 19096 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI _____ \$631.00
 19097 Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200 _____ \$631.00
 19098 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00
 19099 Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00

*SprayMate™ Plus Customized Controller***EMD - Electric Motor Driver Kits**

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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E Optional Items

18754	Single Pressure Sensor Cable, Plus Series, 15' _____	\$105.06
18757	Pressure Sensor only, 150 PSI, 4 to 20mA _____	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA _____	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable _____	\$156.87
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13419	Extension Cable, 3-pin MP 150, 50' _____	\$166.73
14363	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5' _____	\$158.47
14316	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10' _____	\$234.97
14317	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15' _____	\$282.48
14364	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20' _____	\$347.02
14365	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25' _____	\$408.04
14419	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 50' _____	\$700.53

WP (Weather Pack) Extension Cables

10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45

*SprayMate™ Plus Customized Controller***NH3 Application - Liquifier Kits** (Liquifier kits come with one master shutoff valve, additional valves may be added)

01815	Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour _____	\$5,640.00
01816	Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour _____	\$5,640.00
01817	Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour _____	\$7,418.00
01818	Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour _____	\$16,395.00
17972 A	^KZValve® NH3 Shutoff Valve, 1" _____	\$1,500.91

When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)

NH3 Plumbing Panel Retrofit Kits

Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.

Note: flowmeter, control valve or shutoff valves are not included.

01772	Liquifier Cooler Retro Kit _____	\$3,731.00
01775	Liquifier Max Cooler Retro Kit _____	\$9,347.00

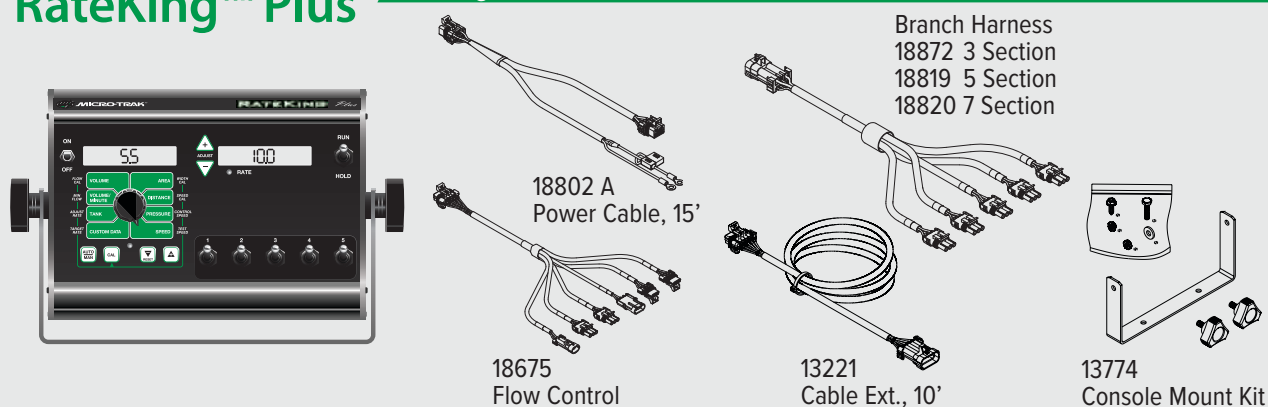
Replacement Parts

14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD _____	\$36.65
18280	Harness, flow, control, boom, WPS-PGS, SprayMate™ Plus _____	\$340.43
18532 A	Harness, flow, control, boom, WPT-PGS, SprayMate™ Plus _____	\$340.43
18777	Harness Adapter Cable, SprayMate™ Plus Console to SprayMate™ II _____	\$105.32
19507	Pressure Sensor Extension Cable, 50' _____	\$225.41
19508	Pressure Sensor Extension Cable, 25' _____	\$132.00
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™ _____	\$168.88
21779	Power Switch Assembly for consoles _____	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™ _____	\$196.79

**3 YEAR
WARRANTY
LIFETIME
SERVICE**

RateKing™ Plus

RateKing™ Plus KIT: included w/ console

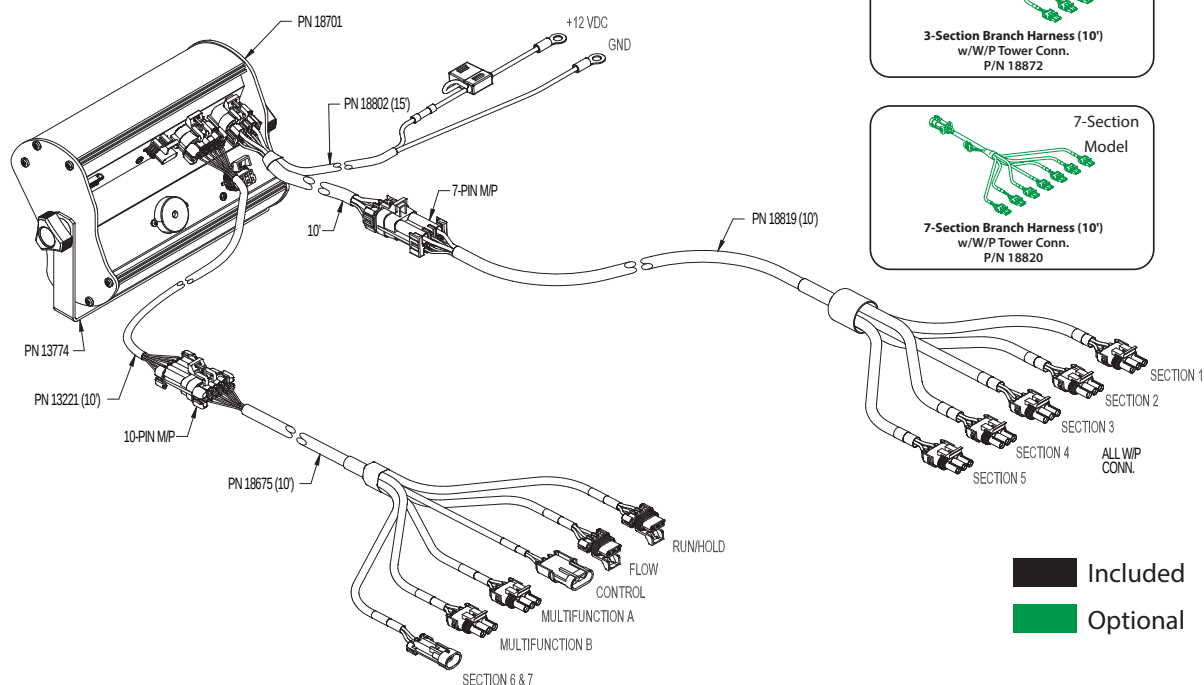


The RateKing™ Plus is a single-channel automatic liquid rate controller for agriculture, grounds, and highway maintenance. It offers a dual display that provides the target application rate in one display and several options for the second display, including: Output Drive (STD or PWM), VRA info., Elapsed Hours, Area per Hour, Total Width, and Section Status. Available in 3, 5, and 7 section versions.

Features:

- Innovative multifunction outputs control On/Off valves for Flow Trigger, Relief, Master, Flush, and more.
- Flow or Pressure based control
- Pressure monitoring
- PWM or Servo electrical control
- Adjustable PWM minimum and maximum pulse width to prevent motor stalling or over-pressure.
- VRA capable
- Selectable NH3 and Turf units
- NH3 compatible

RateKing™ Plus System Layout



RateKing™ Plus - Complete Kits:

01883	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, (select speed sensor)	\$2,962.00
01882	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, magnetic wheel sensor	\$3,219.00
01976	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, Astro™ II GPS Speed Sensor	\$3,499.00
01894	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, (select speed sensor)	\$3,332.00
01895	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, magnetic wheel sensor	\$3,586.00
01977	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, Astro™ II GPS Speed Sensor	\$3,871.00

Optional Items (See page 40)

RATEKING™ PLUS CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A Consoles with Main Harness

01878	RateKing™ Plus Customized Kit, 3 section	\$1,980.00
01881	RateKing™ Plus Customized Kit, 5 section	\$1,980.00
01893	RateKing™ Plus Customized Kit, 7 section	\$2,345.00

B Speed Sensors

01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

*RateKing™ Plus Customized Controller***EMD - Electric Motor Driver Kits**

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp $\text{C} \text{€} \text{UK} \text{CA}$ _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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E Optional Items

18754	Single Pressure Sensor Cable, Plus Series, 15' _____	\$105.06
18757	Pressure Sensor only, 150 PSI, 4 to 20mA _____	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA _____	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable _____	\$156.87
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85

Optional Items-Plus Series Only

01781	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 5 section _____	\$509.35
16032 A	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 7 section _____	\$603.00

(If ordering the 16032 Kit - add one of the following Section Branch Harnesses:)

18872	Section Branch Harness, 3 section, WPT-PGS, 10' _____	\$261.77
18819	Section Branch Harness, 5 section, WPT-PGS, 10' _____	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10' _____	\$343.27

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13419	Extension Cable, 3-pin MP 150, 50' _____	\$166.73
13220	Extension Cable, 10-pin MP 150, 5' _____	\$149.74
13221	Extension Cable, 10-pin MP 150, 10' _____	\$178.82
13222	Extension Cable, 10-pin MP 150, 15' _____	\$204.47
13223	Extension Cable, 10-pin MP 150, 20' _____	\$244.92
13224	Extension Cable, 10-pin MP 150, 25' _____	\$288.59
17095	Extension Cable, 10-pin MP 150, 30' _____	\$341.13
10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45
18823	Extension Cable, 6-pin MP 150, 5' _____	\$71.42
18756	Extension Cable, 6-pin MP 150, 10' _____	\$112.78

RateKing™ Plus Customized Controller

18824	Extension Cable, 6-pin MP 150, 15'	\$133.48
18825	Extension Cable, 6-pin MP 150, 20'	\$187.95
18826	Extension Cable, 6-pin MP 150, 25'	\$196.44
18830	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 5'	\$167.47
18831	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 10'	\$218.00
18832	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 15'	\$255.49
18833	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 20'	\$299.71
18834	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 25'	\$343.66
18835	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 50'	\$563.80

NH3 Application - Liquifier Kits (Liquifier kits come with one master shutoff valve, additional valves may be added)

01815	Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour	\$5,640.00
01816	Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour	\$5,640.00
01817	Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour	\$7,418.00
01818	Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour	\$16,395.00
17972 A	^KZValve® NH3 Shutoff Valve, 1"	\$1,500.91

When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)**NH3 Plumbing Panel Retrofit Kits****Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.****Note: flowmeter, control valve or shutoff valves are not included.**

01772	Liquifier Cooler Retro Kit	\$3,731.00
01775	Liquifier Max Cooler Retro Kit	\$9,347.00

Replacement Parts

18802 A	Power Cable, 15 Amp fuse, 15'	\$362.37
18872	Section Branch Harness, 3 section, WPT-PGS, 10'	\$261.77
18819	Section Branch Harness, 5 section, WPT-PGS, 10'	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10'	\$343.27
18675 B	Control Branch Harness, RateKing™, 10'	\$396.19
18676 B	Control Branch Harness, RateKing™ Dual Plus Channel 2, 10' Dual Plus Channel 2 Harness	\$293.12
18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18754	Single Pressure Sensor Cable, Plus Series, 15'	\$105.06
18755	Dual Pressure Sensor Cable, Plus Series, 15'	\$185.93
19507	Pressure Sensor Extension Cable, 50'	\$225.41
19508	Pressure Sensor Extension Cable, 25'	\$132.00
19978 A	Cable, RateKing™ Plus to Raven Console	\$754.84
19979 A	Cable, RateKing™ Dual Plus to Raven Console	\$959.94

Optional Items - Automatic Rate Controller Kits

18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable	\$156.87
18765	Pressure Harness Kit, dual, w/ 15' sensor cable, 10' extension cable	\$292.63
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85
01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension	\$221.92

Optional Items-Plus Series Only

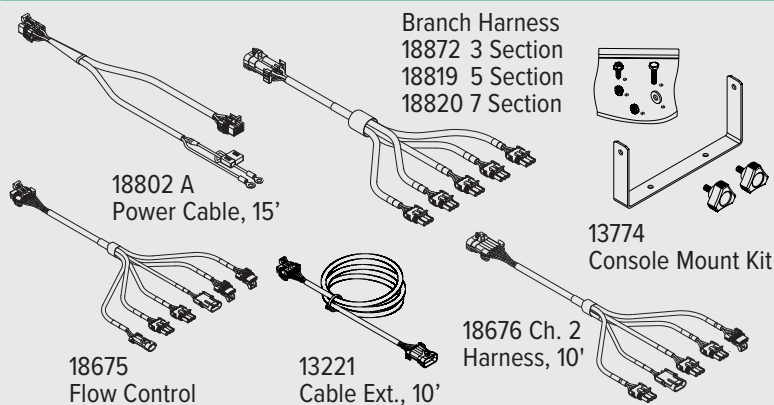
01781	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 5 section	\$509.35
16032 A	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 7 section	\$603.00

(If ordering the 16032 Kit - add one of the following Section Branch Harnesses:)

18872	Section Branch Harness, 3 section, WPT-PGS, 10'	\$261.77
18819	Section Branch Harness, 5 section, WPT-PGS, 10'	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10'	\$343.27

RateKing™ Dual Plus

RateKing™ Dual Plus KIT: included w/ console



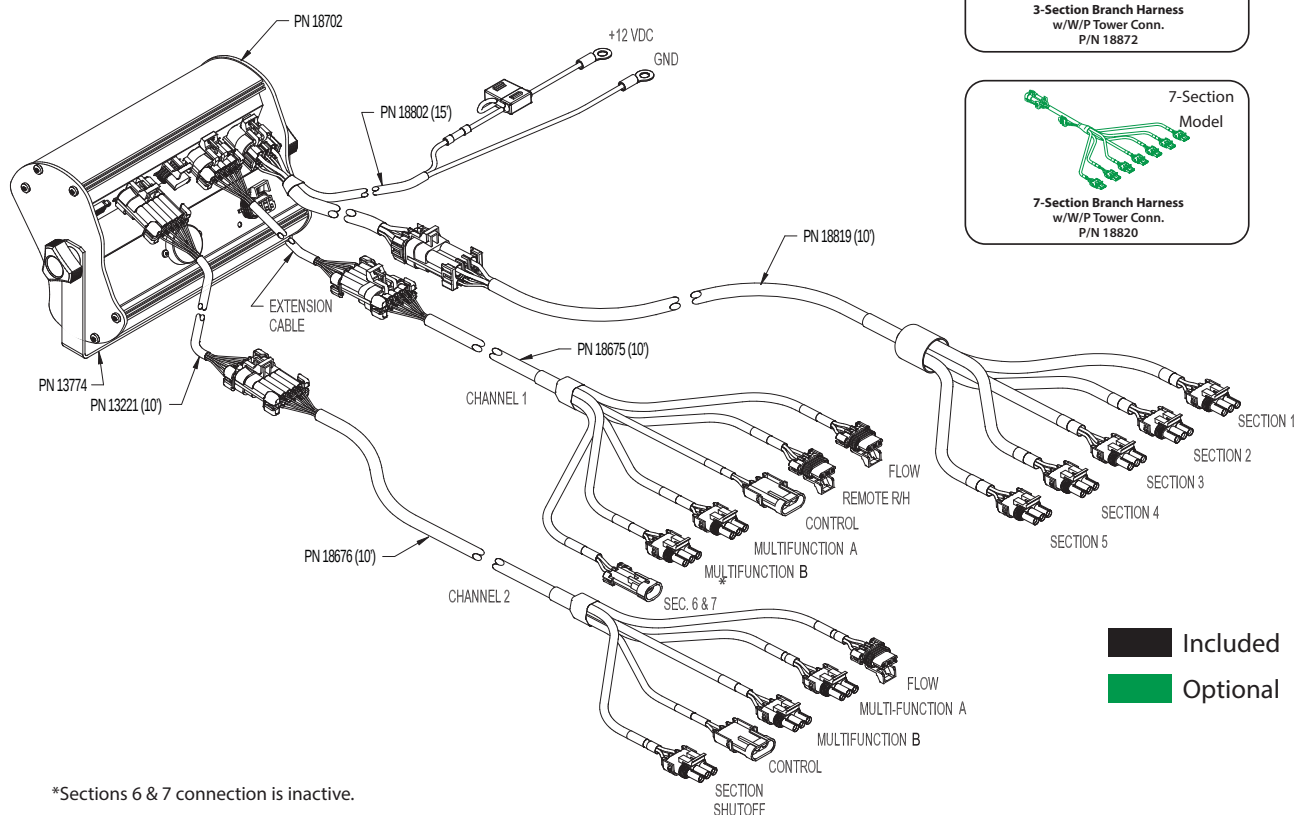
A compact yet powerful controller that simultaneously manages the application of two products—maximizing efficiency with one trusted system. Built with Micro-Trak's proven rate control and calculation features, it offers flexible options like PWM control, three-way valves, rapid valve response to changing vehicle motion, and a "Supervisor Lock-Out" to safeguard critical calibration data.

Features:

- Three modes of channel operation – Normal, Injection, and Parallel, offer unparalleled flexibility in setup.
- Innovative multifunction outputs control On/Off valves for Flow Trigger, Relief, Master, Flush, and more.
- Flow or Pressure based control
- Pressure monitoring
- PWM or Servo electrical control
- Adjustable PWM minimum and maximum pulse width to prevent motor stalling or over-pressure.
- VRA capable
- Selectable NH3 and Turf units
- NH3 compatible

RateKing™ Dual Plus System Layout

5-Section
Model Shown



*Sections 6 & 7 connection is inactive.

RATEKING™ DUAL PLUS CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A Consoles with Main Harness

01909	RateKing™ Dual Plus Customized Kit, 3 section, w/ channel 1 & channel 2 harnesses	\$3,377.00
01899	RateKing™ Dual Plus Customized Kit, 5 section, w/ channel 1 & channel 2 harnesses	\$3,377.00
01910	RateKing™ Dual Plus Customized Kit, 7 section, w/ channel 1 & channel 2 harnesses	\$3,885.00

B Speed Sensors

01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

RateKing™ Dual Plus Customized Controller**EMD - Electric Motor Driver Kits**

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp  _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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**Optional Items**

18754	Single Pressure Sensor Cable, Plus Series, 15' _____	\$105.06
18757	Pressure Sensor only, 150 PSI, 4 to 20mA _____	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA _____	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable _____	\$156.87
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13419	Extension Cable, 3-pin MP 150, 50' _____	\$166.73
13220	Extension Cable, 10-pin MP 150, 5' _____	\$149.74
13221	Extension Cable, 10-pin MP 150, 10' _____	\$178.82
13222	Extension Cable, 10-pin MP 150, 15' _____	\$204.47
13223	Extension Cable, 10-pin MP 150, 20' _____	\$244.92
13224	Extension Cable, 10-pin MP 150, 25' _____	\$288.59
17095	Extension Cable, 10-pin MP 150, 30' _____	\$341.13
17096	Extension Cable, 10-pin MP 150, 40' _____	\$409.84
17269	Extension Cable, 10-pin MP 150, 45' _____	\$450.21
14142	Extension Cable, 10-pin MP 150, 50' _____	\$532.49
10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45
18823	Extension Cable, 6-pin MP 150, 5' _____	\$71.42
18756	Extension Cable, 6-pin MP 150, 10' _____	\$112.78
18824	Extension Cable, 6-pin MP 150, 15' _____	\$133.48
18825	Extension Cable, 6-pin MP 150, 20' _____	\$187.95

RateKing™ Dual Plus Customized Controller

18826	Extension Cable, 6-pin MP 150, 25'	\$196.44
18830	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 5'	\$167.47
18831	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 10'	\$218.00
18832	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 15'	\$255.49
18833	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 20'	\$299.71
18834	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 25'	\$343.66
18835	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 50'	\$563.80

NH3 Application - Liquifier Kits (Liquifier kits come with one master shutoff valve, additional valves may be added)

01815	Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour	\$5,640.00
01816	Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour	\$5,640.00
01817	Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour	\$7,418.00
01818	Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour	\$16,395.00
17972 A	AKZValve® NH3 Shutoff Valve, 1"	\$1,500.91

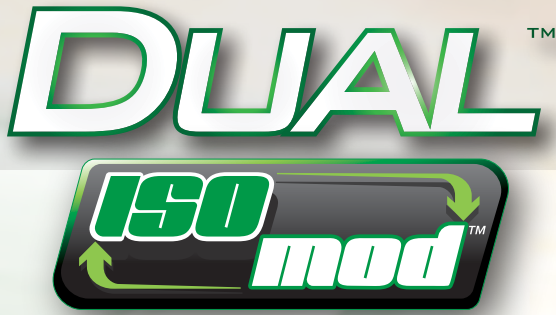
When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)**NH3 Plumbing Panel Retrofit Kits****Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.****Note: flowmeter, control valve or shutoff valves are not included.**

01772	Liquifier Cooler Retro Kit	\$3,731.00
01775	Liquifier Max Cooler Retro Kit	\$9,347.00

Replacement Parts

18802 A	Power Cable, 15 Amp fuse, 15'	\$362.37
18872	Section Branch Harness, 3 section, WPT-PGS, 10'	\$261.77
18819	Section Branch Harness, 5 section, WPT-PGS, 10'	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10'	\$343.27
18675 B	Control Branch Harness, RateKing™, 10'	\$396.19
18676 B	Control Branch Harness, RateKing™ Dual Plus Channel 2, 10' Dual Plus Channel 2 Harness	\$293.12
18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18754	Single Pressure Sensor Cable, Plus Series, 15'	\$105.06
18755	Dual Pressure Sensor Cable, Plus Series, 15'	\$185.93
19507	Pressure Sensor Extension Cable, 50'	\$225.41
19508	Pressure Sensor Extension Cable, 25'	\$132.00
19978 A	Cable, RateKing™ Plus to Raven Console	\$754.84
19979 A	Cable, RateKing™ Dual Plus to Raven Console	\$959.94



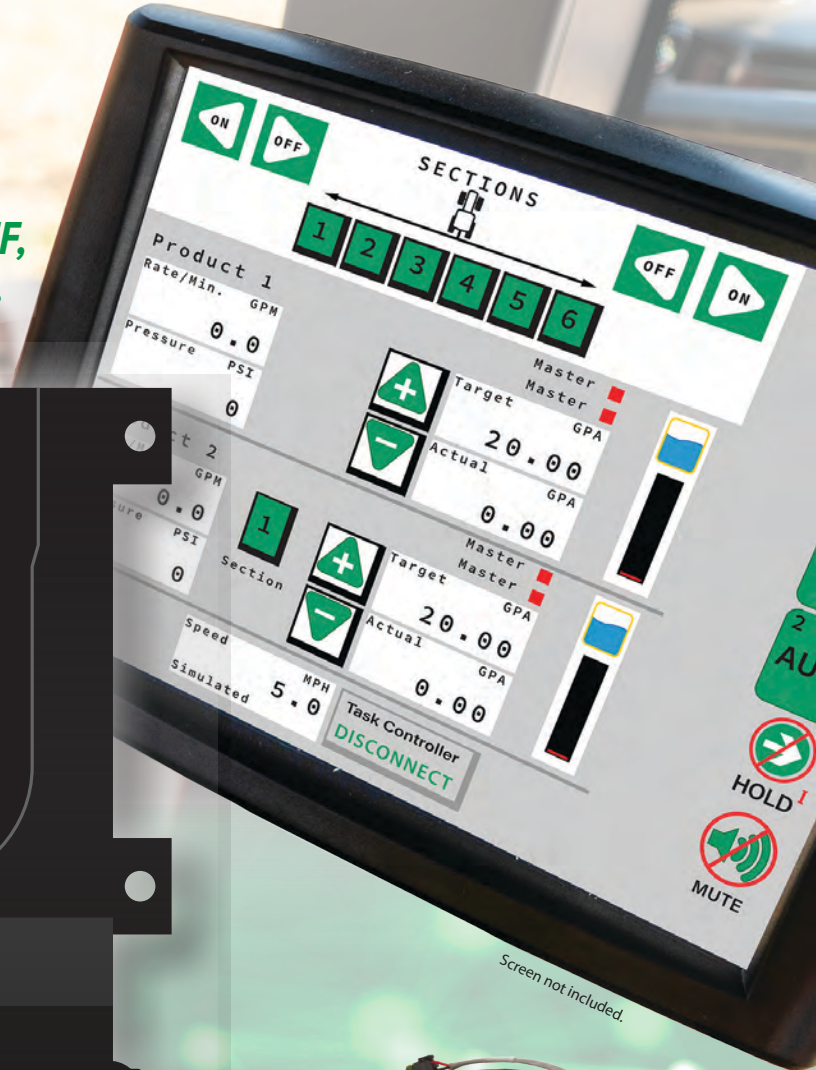
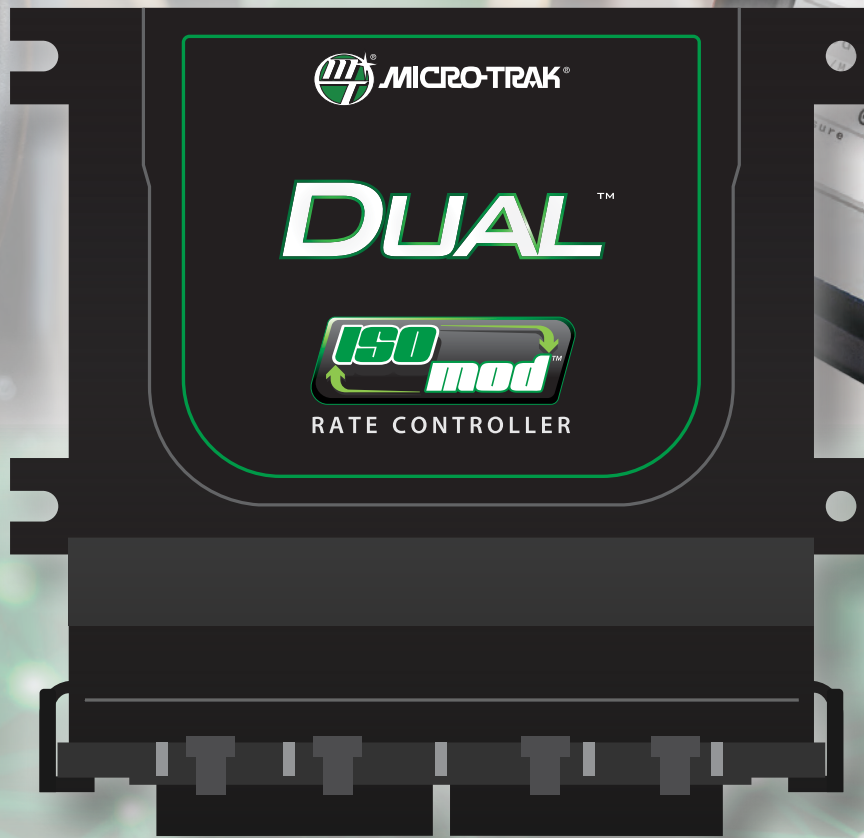


RATE CONTROLLER

ADVANCED NORMAL, PARALLEL, OR
INJECTION RATE CONTROL MODES

POWERFUL CONTROL FOR MASTER, RELIEF,
FLOW TRIGGER, AND FLUSH FUNCTIONS.

01845 KIT: included w/ ISOmod



Screen not included.



18436 Extension
Cable, 15'



01953
Power Cable, 30'



19605 Channel 1
Branch Harness, 10'



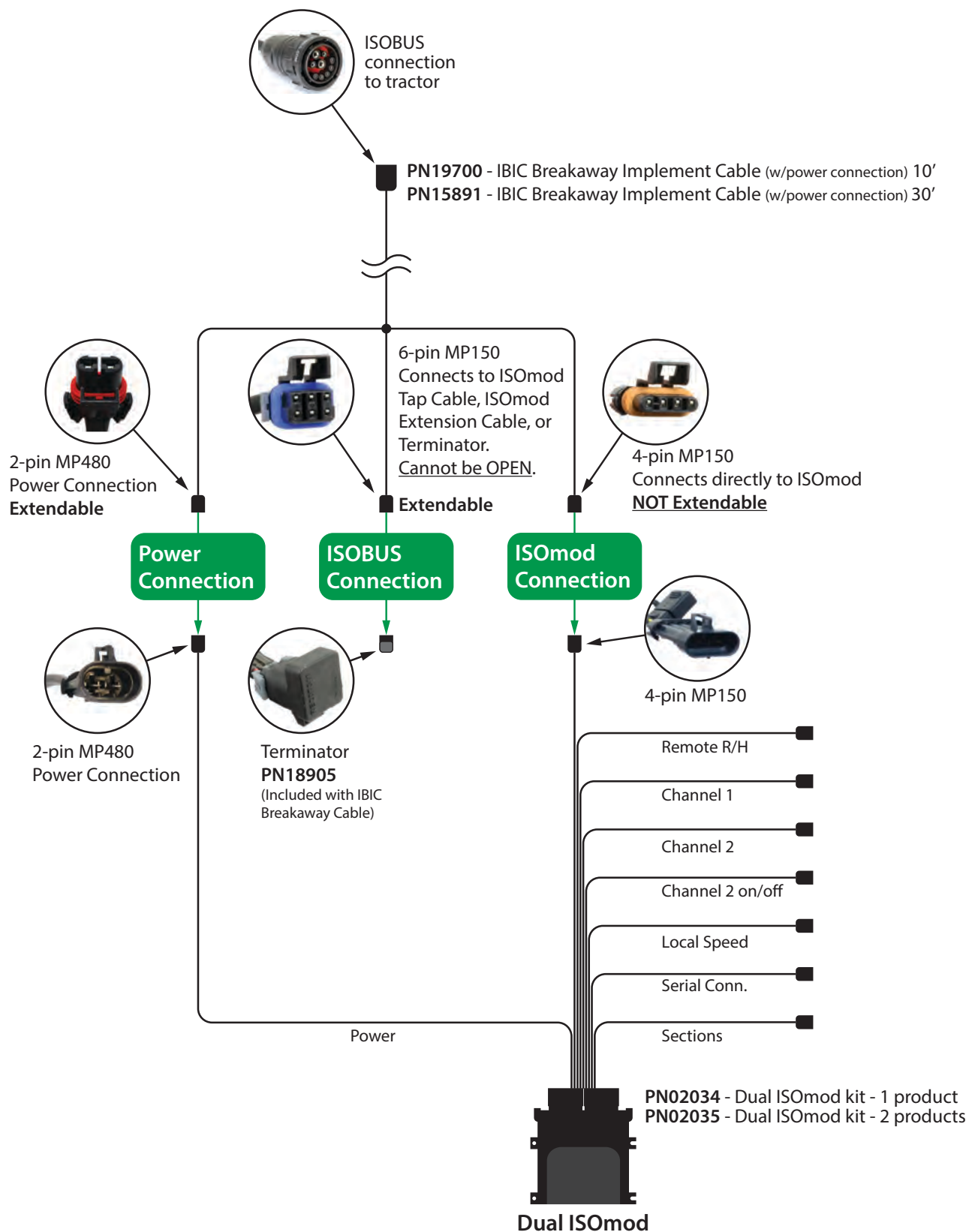
19604 Bulkhead
Harness, 2'

Flexible, powerful, automatic rate controller – featuring Single or Dual channel control and multi-section capabilities. It's ISOBUS ready, connecting easily to existing control systems and utilizing an in-cab ISO terminal for setup and control.

ISOMOD CONNECTIVITY GUIDE

IBIC Breakaway Connection w/Power

Option 1: Direct Connection to ISOmod



Dual ISOmod™ Product Rate Controller Kits

02034	Dual ISOmod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable	_____	\$2,235.00
02035	Dual ISOmod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable	_____	\$2,491.00

ISOMOD CONNECTIVITY GUIDE

IBIC Breakaway Connection w/Power Option 2: Extending Connection to ISOmod

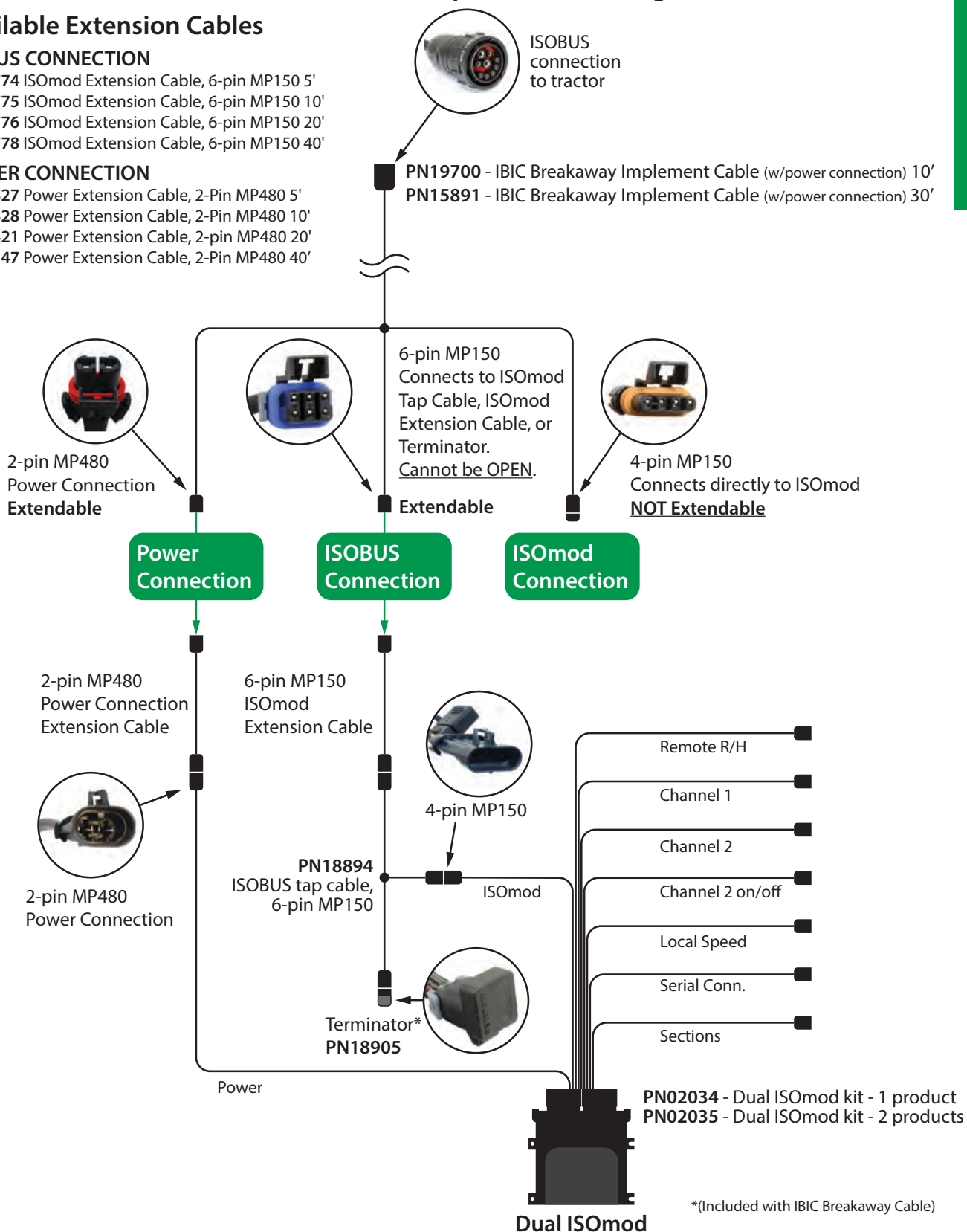
Available Extension Cables

ISOBUS CONNECTION

PN19774 ISOmod Extension Cable, 6-pin MP150 5'
PN19775 ISOmod Extension Cable, 6-pin MP150 10'
PN19776 ISOmod Extension Cable, 6-pin MP150 20'
PN19778 ISOmod Extension Cable, 6-pin MP150 40'

POWER CONNECTION

PN18827 Power Extension Cable, 2-Pin MP480 5'
PN18828 Power Extension Cable, 2-Pin MP480 10'
PN18421 Power Extension Cable, 2-pin MP480 20'
PN19347 Power Extension Cable, 2-Pin MP480 40'



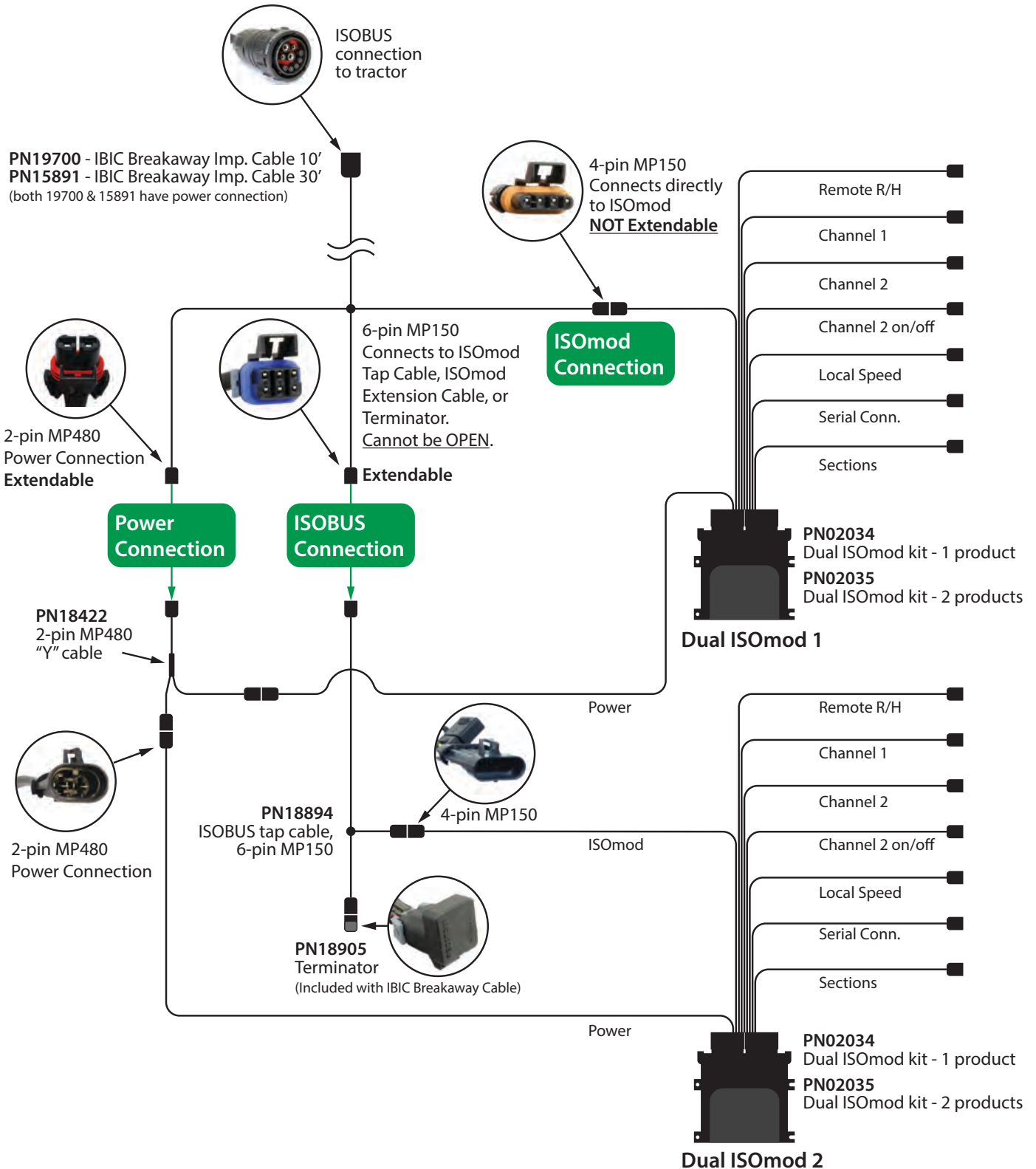
Dual ISOmod™ Product Rate Controller Kits

02034	Dual ISOmod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable	_____	\$2,235.00
02035	Dual ISOmod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable	_____	\$2,491.00

ISOMOD CONNECTIVITY GUIDE

IBIC Breakaway Connection w/Power

Option 3: Multiple ISOmods on the bus



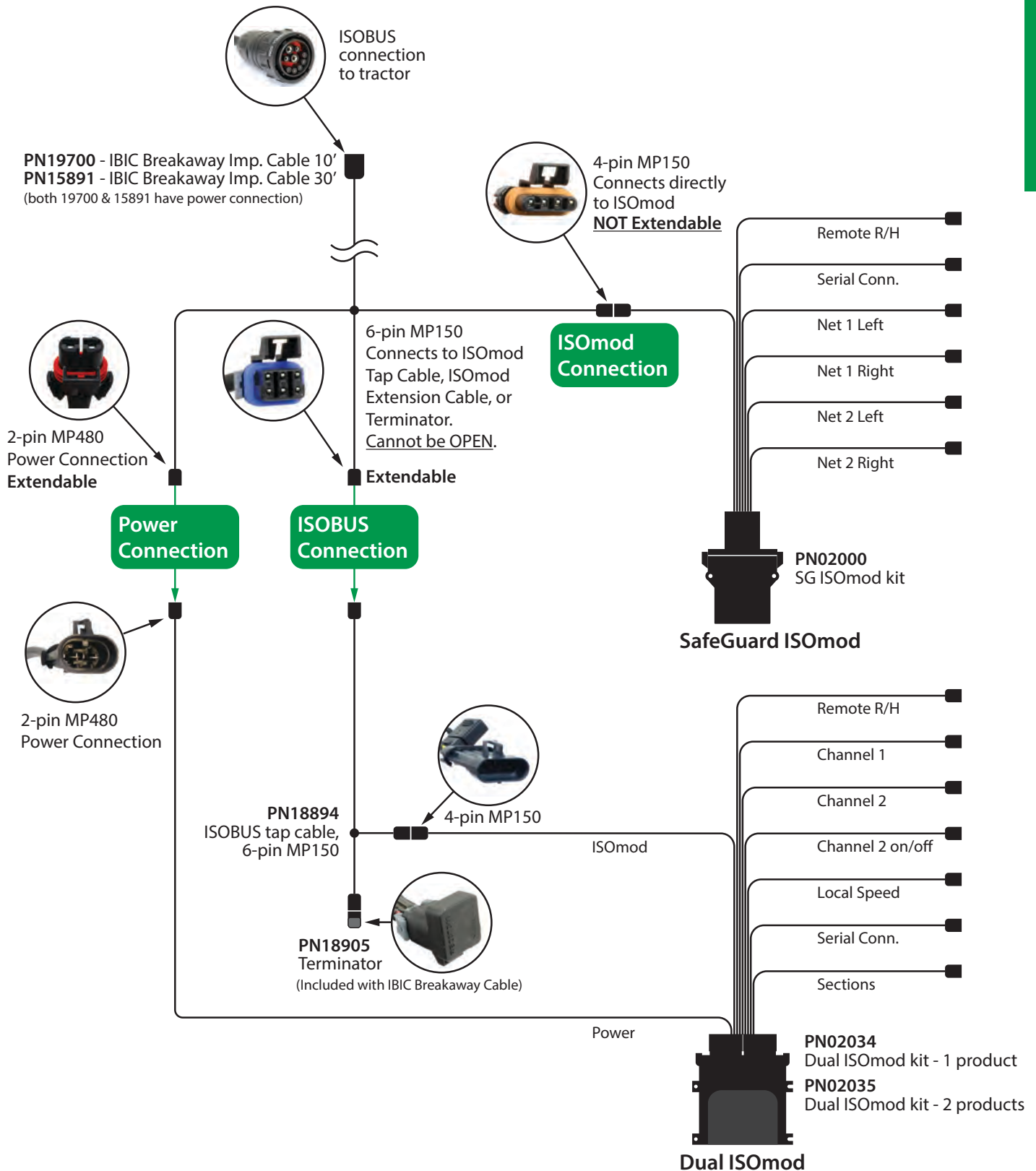
Dual ISOmod™ Product Rate Controller Kits

02034	Dual ISOmod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable	\$2,235.00
02035	Dual ISOmod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable	\$2,491.00

ISOMOD CONNECTIVITY GUIDE

IBIC Breakaway Connection w/Power

Option 4: Dual ISOmod & SafeGuard together



Dual ISOmod™ Product Rate Controller Kits

02034	Dual ISOmod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable	\$2,235.00
02035	Dual ISOmod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable	\$2,491.00

ISOMOD CONNECTIVITY GUIDE

ISOBUS on Implement

Option 1: ISOmod Tap Cable Connection

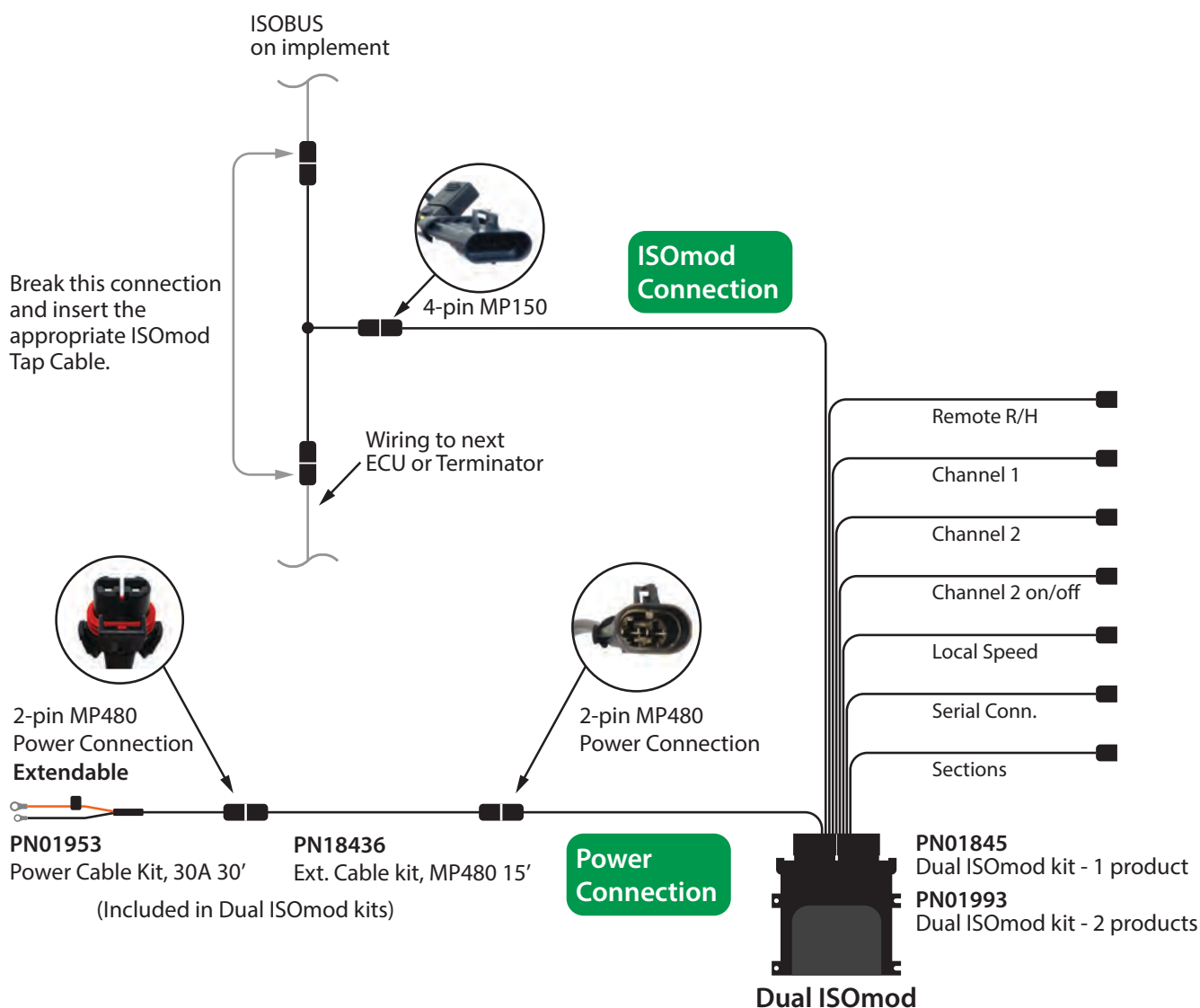
Available Tap Cables

PN16041 ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)

PN18894 ISOBUS Tap Cable, 6-pin MP150

PN18895 ISOBUS Tap Cable, 12-pin Ampseal (John Deere)

PN18897 ISOBUS Tap Cable, 8-pin GT280 (Case)



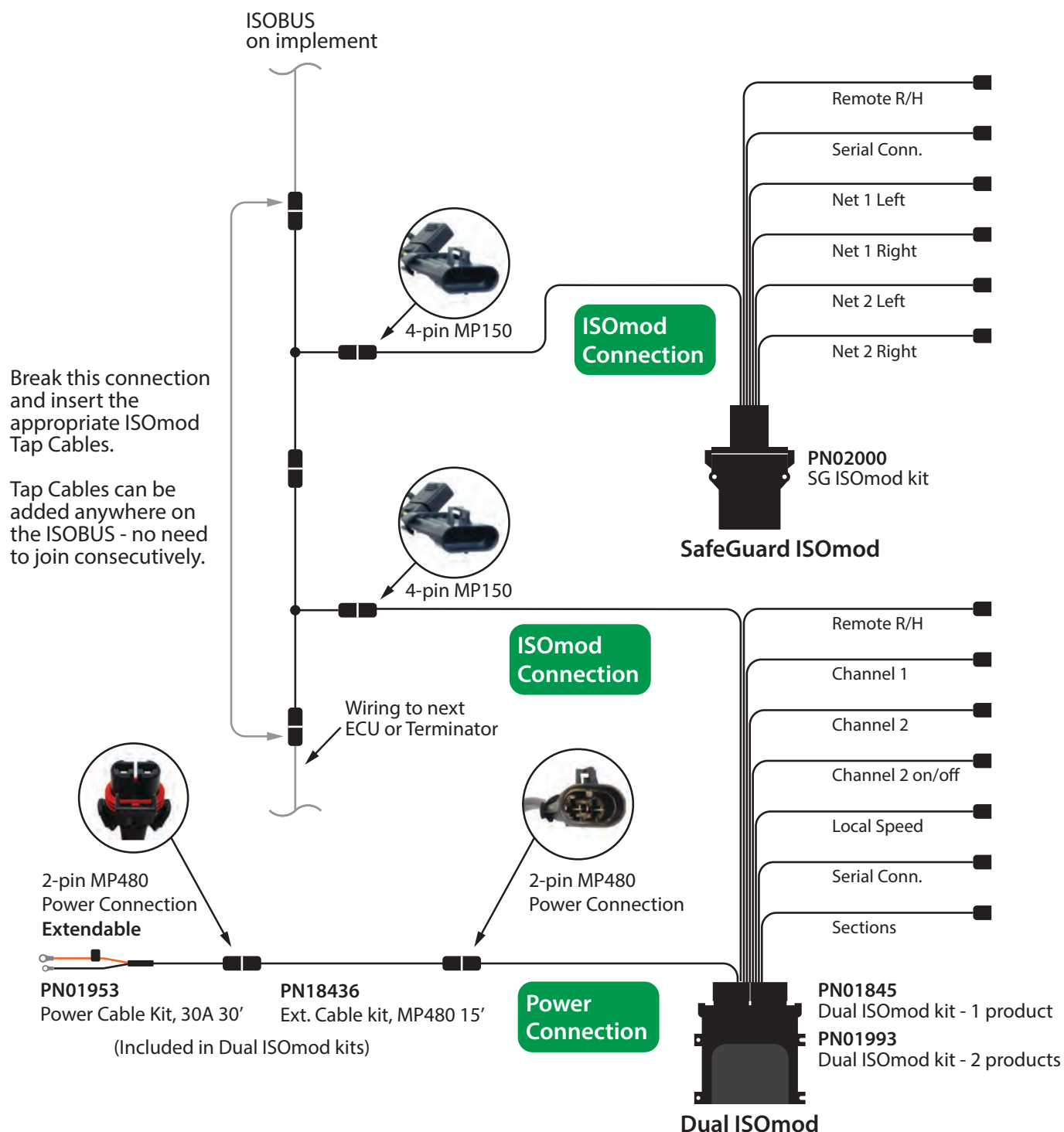
Dual ISOmod™ Product Rate Controller Kits

01845	Dual ISOmod™ Kit, single product rate control, w/ power cable & channel 1 harness	\$2,494.00
01993	Dual ISOmod™ Kit, dual product rate control, w/ power cable & channel 1 & channel 2 harnesses	\$2,754.00

ISOMOD CONNECTIVITY GUIDE

ISOBUS on Implement

Option 2: Multiple ISOmod Tap Cable Connections



Dual ISOmod™ Product Rate Controller Kits

01845	Dual ISOmod™ Kit, single product rate control, w/ power cable & channel 1 harness	\$2,494.00
01993	Dual ISOmod™ Kit, dual product rate control, w/ power cable & channel 1 & channel 2 harnesses	\$2,754.00

ISOMOD CONNECTIVITY GUIDE

ISOBUS on Implement

Option 3: ISOMod Tap Cable Connections w/ECU power

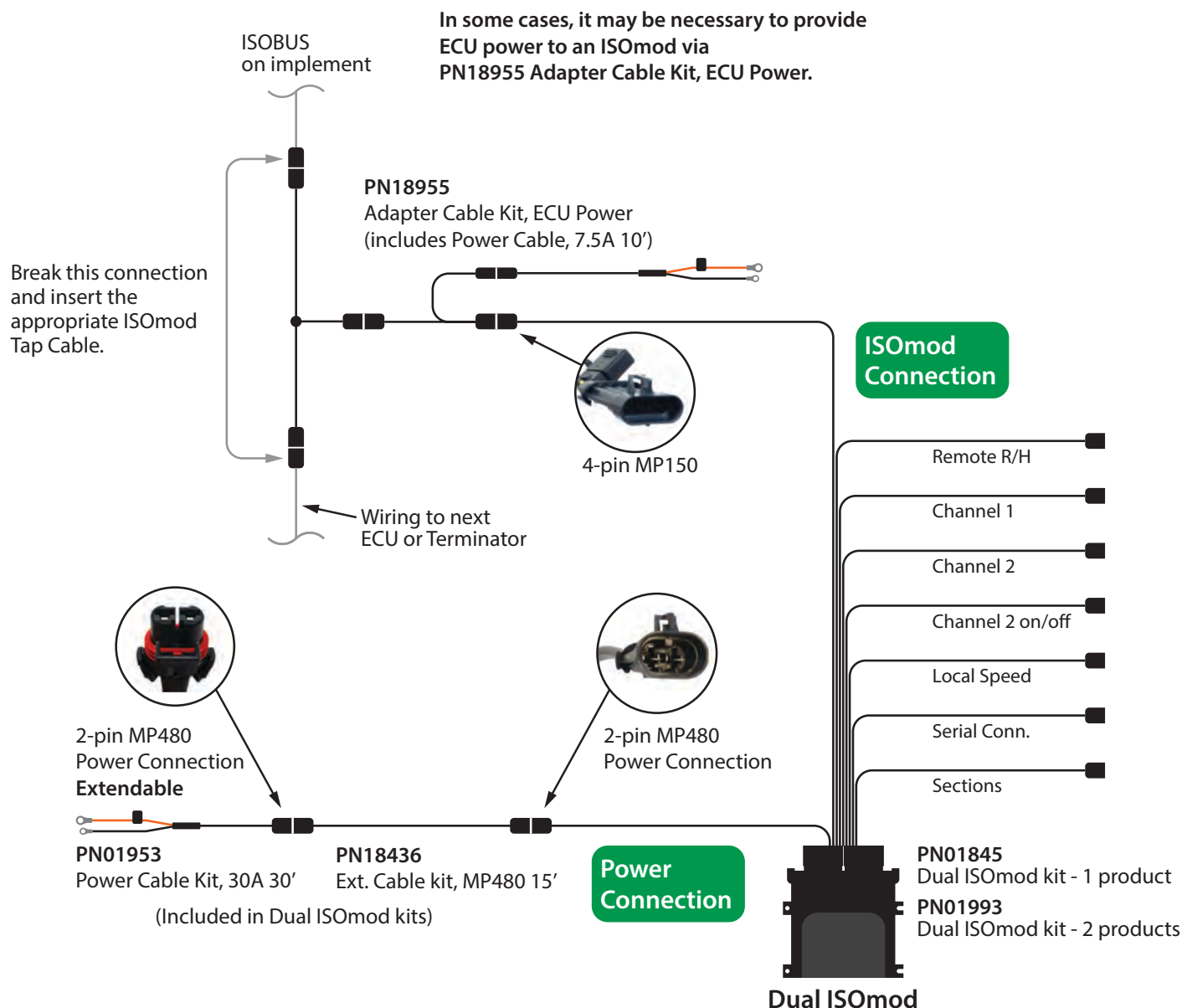
Available Tap Cables

PN16041 ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)

PN18894 ISOBUS Tap Cable, 6-pin MP150

PN18895 ISOBUS Tap Cable, 12-pin Ampseal (John Deere)

PN18897 ISOBUS Tap Cable, 8-pin GT280 (Case)



Dual ISOMod™ Product Rate Controller Kits

01845	Dual ISOMod™ Kit, single product rate control, w/ power cable & channel 1 harness	\$2,494.00
01993	Dual ISOMod™ Kit, dual product rate control, w/ power cable & channel 1 & channel 2 harnesses	\$2,754.00

DUAL ISOMOD™ CUSTOMIZED CONTROLLER

Select from **A B C D E F G** to build custom systems

A Dual ISOMod™ Product Rate Controller Kits

01845	Dual ISOMod™ Kit, single product rate control, w/ power cable & channel 1 harness	\$2,494.00
02034	Dual ISOMod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable	\$2,235.00
01993	Dual ISOMod™ Kit, dual product rate control, w/ power cable & channel 1 & channel 2 harnesses	\$2,754.00
02035	Dual ISOMod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable	\$2,491.00
02059 A	Dual ISOMod™ Kit, w/ Raven adapter cable (16 pin), w/ power cable	\$2,754.00
02060 A	Dual ISOMod™ Kit, w/ Raven adapter cable (16 pin), w/o power cable	\$2,491.00

B ISOMod™ Section Branch Cables

19669	Branch Harness, Dual ISOMod™, 6 section, 10'	\$349.00
19670	Branch Harness, Dual ISOMod™, 12 section WPT-PGS, 10'	\$631.00
16013 A	Branch Cable, Dual ISOMod™, 6 section ZV (zipvalve), 10'	\$438.00
16014 A	Branch Cable, Dual ISOMod™, 12 section ZV (zipvalve), 10'	\$817.00
15871 A	Parallel Boom "Y" Cable, Dual ISOMod™	\$188.25

(If ordering the 15871 kit, two 16013, 16014, 19669 or 19670 cables are required for a parallel boom configuration)

C IBIC Breakaway Implement Cable or ISOMod™ Tap Cables

19700 C	IBIC Breakaway Implement Cable, w/ power connection, 10'	\$876.00
15891 B	IBIC Breakaway Implement Cable, w/power connection, 30'	\$1,310.00
18894 B	ISOBUS Tap Cable, 6-pin MP 150	\$269.00
18895 C	ISOBUS Tap Cable, 12-pin Ampseal, John Deere®	\$269.00
18896 B	ISOBUS Tap Cable, 4-pin Delphi MP 630, Great Plains/Dickey JOHN®	\$269.00
18897 B	ISOBUS Tap Cable, 8-pin GT280, Case IH®	\$269.00
19857	ISOBUS Tap Cable Kit, w/ 6-pin MP150, 18894 and 18955 ECU power adapter cable	\$361.00
18955	Adapter Cable Kit, ECU power	\$169.00
16041 A	ISOBUS Tap Cable, 12-pin Deutsch, Case IH® 2100 Series Planter	\$269.00
18944	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DTM	\$269.00
18945	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DT	\$361.00
18950	Tap Cable (in-cab) Kit, w/ power adapter, Deutsch DT	\$361.00
18967	Terminator Cable, w/TBC Plug, Deutsch DT	\$211.21
18968	Terminator Cable, w/TBC Plug, Deutsch DTM	\$235.00

Extension Cable Options

19774	ISOBUS Extension Cable, 6-pin MP 150, 5'	\$222.88
19775	ISOBUS Extension Cable, 6-pin MP 150, 10'	\$244.45
19776	ISOBUS Extension Cable, 6-pin MP 150, 20'	\$287.48
19777	ISOBUS Extension Cable, 6-pin MP 150, 30'	\$330.63
19778	ISOBUS Extension Cable, 6-pin MP 150, 40'	\$373.80

D Speed Sensors (Not required if speed is available via ISOBUS)

01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

E Flowmeter Kits

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00

Dual ISOmod™ Customized Controller

01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

F**Flow Control Servo Valve (Butterfly) Kits**

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

EMD - Electric Motor Driver Kits

18008	Electric Motor Driver Kit, STD, 10 Amp	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp 	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets)	\$2,436.00
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G**Optional Items**

18754	Single Pressure Sensor Cable, Plus Series, 15'	\$105.06
18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable	\$156.87
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85
02058 A	Implement Switch Kit, push button, connects to John Deere®	\$413.00

*Dual ISOmod™ Customized Controller***MP (Metri-Pack) 150 Extension Cables**

13205	Extension Cable, 3-pin MP 150, 5'	\$86.15
13206	Extension Cable, 3-pin MP 150, 10'	\$91.98
13207	Extension Cable, 3-pin MP 150, 15'	\$103.41
13208	Extension Cable, 3-pin MP 150, 20'	\$109.98
13209	Extension Cable, 3-pin MP 150, 25'	\$117.38
13419	Extension Cable, 3-pin MP 150, 50'	\$166.73
13220	Extension Cable, 10-pin MP 150, 5'	\$149.74
13221	Extension Cable, 10-pin MP 150, 10'	\$178.82
13222	Extension Cable, 10-pin MP 150, 15'	\$204.47
13223	Extension Cable, 10-pin MP150, 20'	\$244.92
13224	Extension Cable, 10-pin MP 150, 25'	\$288.59
17095	Extension Cable, 10-pin MP 150, 30'	\$341.13
17096	Extension Cable, 10-pin MP 150, 40'	\$409.84
17269	Extension Cable, 10-pin MP 150, 45'	\$450.21
14142	Extension Cable, 10-pin MP 150, 50'	\$532.49

MP (Metri-Pack) 480 Extension Cables

18827	Extension Cable, 2-Pin MP 480, 5'	\$148.04
18828	Extension Cable, 2-Pin MP 480, 10'	\$169.10
18436 A	Extension Cable, 2-pin MP 480, 15'	\$184.76
18421 A	Extension Cable, 2-pin MP 480, 20'	\$227.00
18829	Extension Cable, 2-Pin MP 480, 25'	\$228.67

WP (Weather Pack) Extension Cables

10450	Extension Cable, 3-pin WP, 5'	\$80.40
10449	Extension Cable, 3-pin WP, 10'	\$90.12
10876	Extension Cable, 3-pin WP, 15'	\$102.76
10829	Extension Cable, 3-pin WP, 20'	\$113.71
11462	Extension Cable, 3-pin WP, 25'	\$124.45

GT Series Extension Cables

19313 A	Extension Cable, 16-pin GT, 5'	\$197.59
19314 A	Extension Cable, 16-pin GT, 10'	\$299.75
19315 A	Extension Cable, 16-pin GT, 15'	\$402.22
19316 A	Extension Cable, 16-pin GT, 20'	\$508.73
19317 A	Extension Cable, 16-pin GT, 30'	\$713.37
19318 A	Extension Cable, 16-pin GT, 40'	\$917.89
19319 A	Extension Cable, 16-pin GT, 50'	\$1,122.54

Replacement Parts

02011	Magnet Bar Mount, ISOmod™	\$49.21
19170	Power Fuse Holder Kit, 30A	\$73.93
19295	Power Cable, 2-pin MP 480, 30'	\$237.74
19604 A	Bulkhead Harness, Dual ISOmod™, 2'	\$736.74
19605 A	Branch Harness, Dual ISOmod™, Channel 1, 10'	\$345.44
19606 A	Branch Harness, Dual ISOmod™, Channel 2, 10'	\$347.00
19669	Branch Harness, Dual ISOmod™, 6 section, 10'	\$349.00
19670	Branch Harness, Dual ISOmod™, 12 section WPT-PGS, 10'	\$631.00

ORCHARD/VINEYARD RATE CONTROLLERS

SprayMate™ XRS

02027 KIT: included w/ console

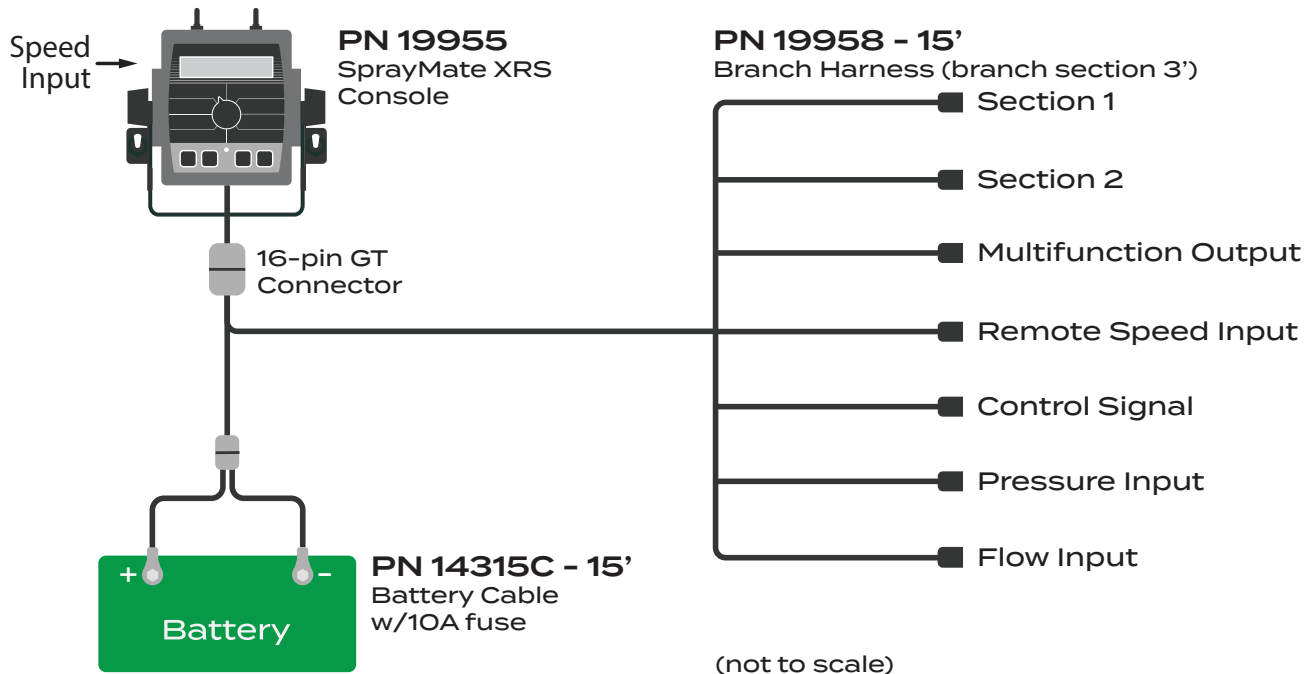


The 2-section SprayMate XRS™ is a compact, affordable auto rate controller designed for precise, hassle-free application. Featuring a clear, easy-to-read display and the same advanced rate control technology as the RateKing XRS™, it delivers accurate coverage with practical convenience. With a quick-mount bracket and easily detachable wiring harness, the SprayMate XRS™ simplifies both operation and end-of-day clean-up—making it the smart choice for efficient, no-fuss spraying.

Features:

- Built-in controls for two independent sections
- Supervisor lockout mode to avoid accidental changes to calibration
- Fast and easy installation
- Rugged exterior for long life
- Compatible with GPS, radar, or wheel Speed Sensors
- English or Metric units
- Easy to use, compact layout
- Works with both turbine and electromagnetic flowmeters

SprayMate™ XRS System Layout



(not to scale)

■ Included
■ Optional

RateKing™ XRS

02021 KIT: included w/ console

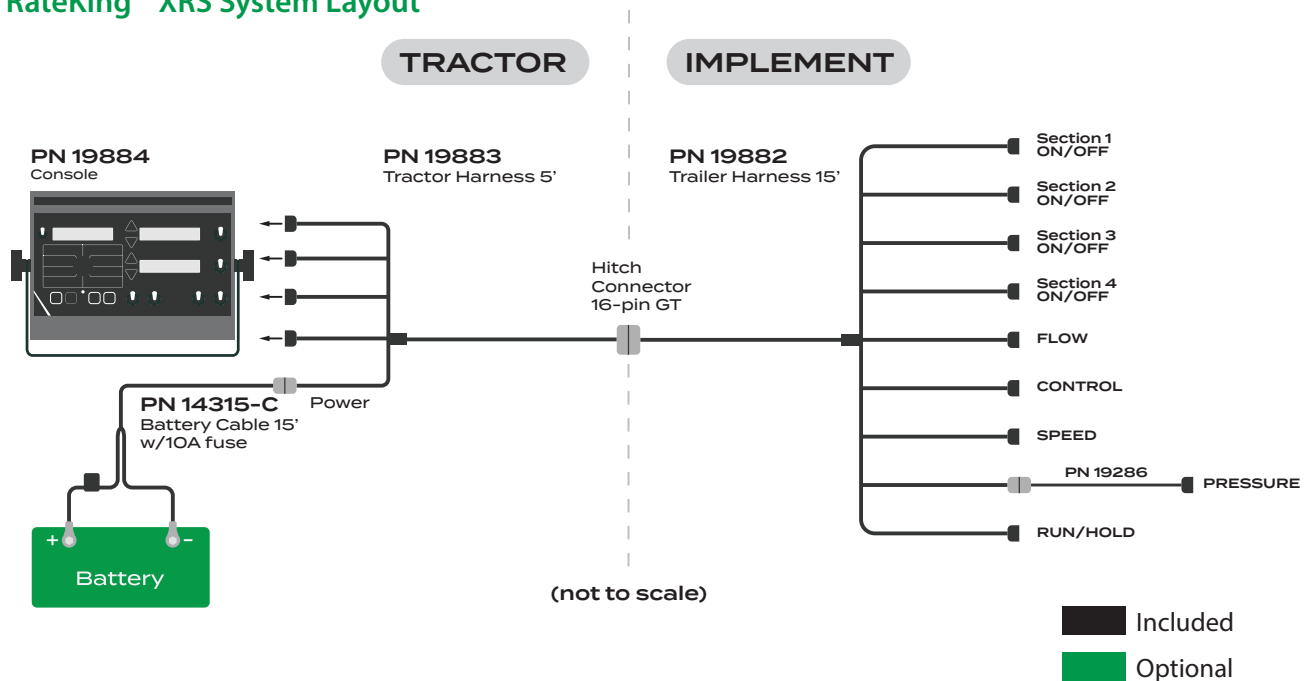


Purpose-built to deliver precise application control in orchards and vineyards, where accuracy is critical and conditions can be challenging. It helps eliminate costly over- or under-spraying by maintaining a consistent, targeted application rate—no matter the terrain or canopy density. This means better input efficiency, more uniform coverage, and ultimately, healthier, higher-quality yields. Rugged and reliable, the RateKing XRS™ is field-tested and engineered to withstand harsh agricultural environments, season after season. Whether you're managing a small family orchard or a large commercial vineyard, it's the dependable tool you need to protect your investment and your crop.

Features:

- Built-in controls for four independent sections
- Multiple displays that simultaneously show application rate, active width, and selectable system data
- Supervisor lockout control mode to avoid accidental changes to calibration
- Fast and easy installation
- Rugged exterior for long life
- Customizable calibration
- Compatible with GPS, radar, or wheel Speed Sensors
- English or Metric units
- Full featured, yet simple to operate
- Works with both turbine and electromagnetic flowmeters
- 3 customizable application rates, selectable by switch on the fly

RateKing™ XRS System Layout



XRS CUSTOMIZED CONTROLLERS

Select from **A B C D E** to build custom systems

A Console with Main Harness

SprayMate™ XRS

02027 A SprayMate™ XRS Customized Kit, 2 section _____ \$2,234.00

RateKing™ XRS

02021 RateKing™ XRS Customized Kit, 4 section _____ \$2,888.00

B Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00
 01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00
 01437 Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II _____ \$793.00
 01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00
 01531 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets _____ \$284.00
 01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00
 01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

C Flowmeter Kits

Turbine Type Flowmeter Kits

01984 FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS _____ \$695.00
 01500 FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy _____ \$547.00
 01501 FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$547.00
 01504 FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$984.00
 01507 FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT _____ \$984.00
 01851 FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____ \$1,114.00
 01650 FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy _____ \$675.00
 01505 FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy _____ \$1,068.00
 01515-P A FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$597.00
 01898-P A FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$641.00
 01514-P A FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy _____ \$619.00
 01506 FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,404.00
 01506-P A FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,059.00
 01519 FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____ \$1,462.00
 01519-P A FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy _____ \$1,101.00
 01511 ^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic _____ \$1,618.00
 01513 ^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic _____ \$2,116.00

Electromagnetic Flowmeter Kits

01901 ^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01821 ^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01822 ^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01823 ^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS _____ \$2,258.00
 01824 ^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01825 ^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS _____ \$2,258.00
 01826 ^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS _____ \$2,258.00
 02015 ^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS _____ \$2,258.00
 01827 ^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS _____ \$2,258.00
 01749 MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS _____ \$1,512.00
 02086 A ^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS _____ \$1,714.00

D Flow Control

Servo Valve (Butterfly) Kits

19093 Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI _____ \$451.00
 19094 Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI _____ \$525.00
 19095 Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI _____ \$451.00
 19096 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI _____ \$631.00
 19097 Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200 _____ \$631.00
 19098 Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00
 19099 Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____ \$631.00

*Orchard/Vineyard Rate Controllers***EMD - Electric Motor Driver Kits**

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp CE UK _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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E Optional Items

18757	Pressure Sensor only, 150 PSI, 4 to 20mA _____	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA _____	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable _____	\$156.87

Replacement Parts - RateKing™ XRS

19883	Tractor Harness, RateKing™ XRS, 5' _____	\$433.89
19882	Trailer Branch Harness, RateKing™ XRS, 15' _____	\$1040.90
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60

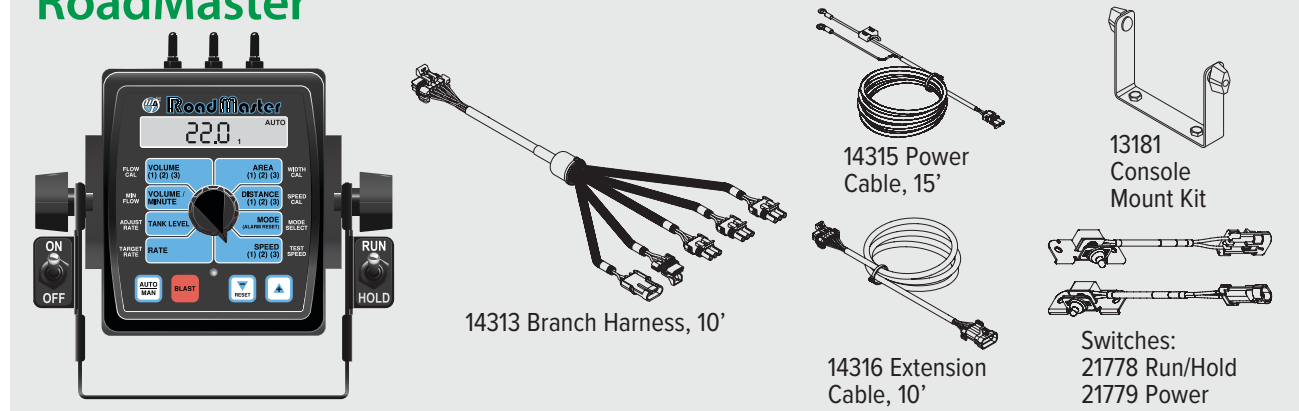
Replacement Parts - SprayMate™ XRS

19958 A	Control Branch Harness, SprayMate™ XRS, 15' _____	\$579.87
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60



ANTI-ICE/DE-ICE RATE CONTROL SYSTEMS

RoadMaster™ 01590 and 01591 KIT: included w/ console

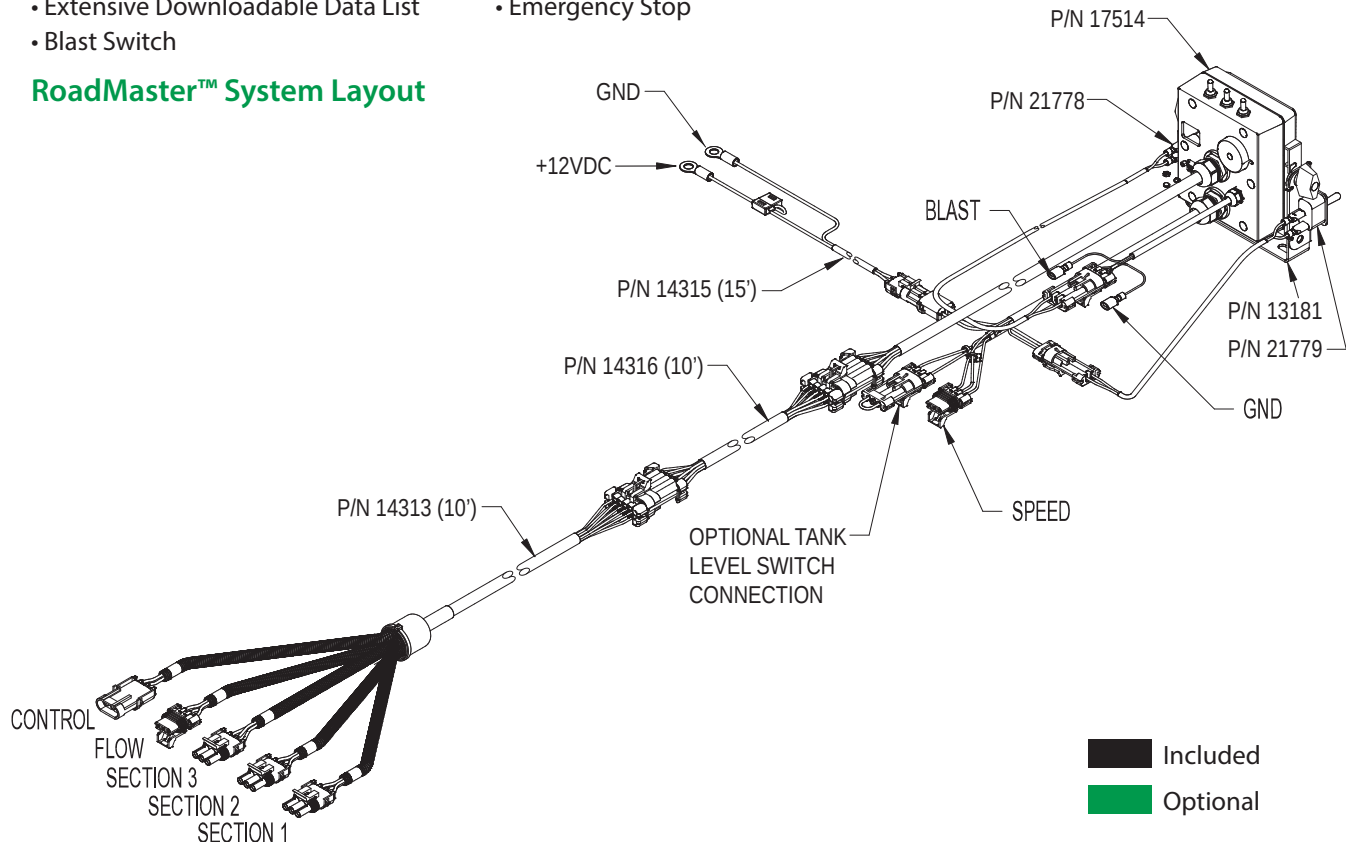


A multi-purpose electronic control system for precise application of liquid de-icer and anti-icers, roadside spray products, and dust-control agents. Also ideal for turf maintenance applications of herbicides, fungicides, insecticides, and fertilizers. Raise your profitability by maintaining exact application rates of these valuable products. Available in a PWM (Pulse Width Modulation) version.

Features:

- Four Operating Modes
- Selectable Servo Drive Options
- Built-in VRA/AVL Communications
- Extensive Downloadable Data List
- Blast Switch
- Keylock Switch
- Built-in Alarm Messages
- Built-in Audible Alarm
- Emergency Stop

RoadMaster™ System Layout



ROADMASTER™ CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A RoadMaster™

01590	RoadMaster™ Customized Kit, STD 12V	\$2,168.00
01591	RoadMaster™ Customized Kit, PWM control	\$2,168.00

B Speed Sensors

01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

C Flowmeter Kits**Turbine Type Flowmeter Kits**

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

D Flow Control**Servo Valve (Butterfly) Kits**

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

EMD - Electric Motor Driver Kits

18008	Electric Motor Driver Kit, STD, 10 Amp	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp	\$895.00

*Anti-Ice/De-Ice Rate Control Systems***Hydraulic Flow Control Valve Kits**

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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E**Optional Items**

18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85
01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension _____	\$221.92
01744	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ 3-pin MP connector (current) _____	\$260.00
17560	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ circular connector (old style) _____	\$260.00

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13419	Extension Cable, 3-pin MP 150, 50' _____	\$166.73
14363	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5' _____	\$158.47
14316	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10' _____	\$234.97
14317	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15' _____	\$282.48
14364	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20' _____	\$347.02
14365	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25' _____	\$408.04
14419	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 50' _____	\$700.53

WP (Weather Pack) Extension Cables

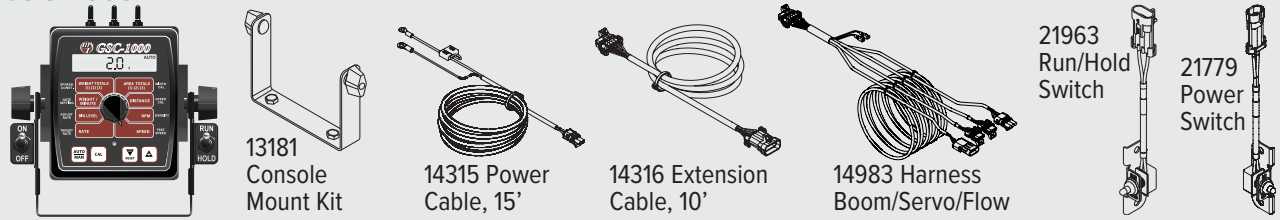
11560	Extension Cable, 2-pin WP, 5' _____	\$61.62
11561	Extension Cable, 2-pin WP, 10' _____	\$71.58
11671	Extension Cable, 2-pin WP, 15' _____	\$77.89
11672	Extension Cable, 2-pin WP, 20' _____	\$79.54
10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45

Replacement Parts

17158	Ball Valve Adapter Cable, 3-boom 2-wire, RoadMaster™ & SprayMate II™ _____	\$603.53
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD _____	\$36.65
18098	Calibration Lockout Key, set of two, RoadMaster™, SprayMate™ Plus _____	\$4.91
14313 F	Harness, flow, control, boom, WPT-PGS, SprayMate™ II _____	\$324.54
14314	Ignition Cable, 72" _____	\$45.14
14463	*In-Line Servo Valve Adapter Cable, (MT-400™ with S) _____	\$42.59
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™ _____	\$168.88
21779	Power Switch Assembly for consoles _____	\$122.18
17523	Remote RoadMaster™ Blast, Run/Hold Cable, w/ mini-din connector _____	\$76.72
01744	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ 3-pin MP connector (current) _____	\$260.00
17560	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ circular connector (old style) _____	\$260.00

GRANULAR RATE CONTROL SYSTEMS

GSC-1000™ 01402 and 01403 KIT: included w/ console

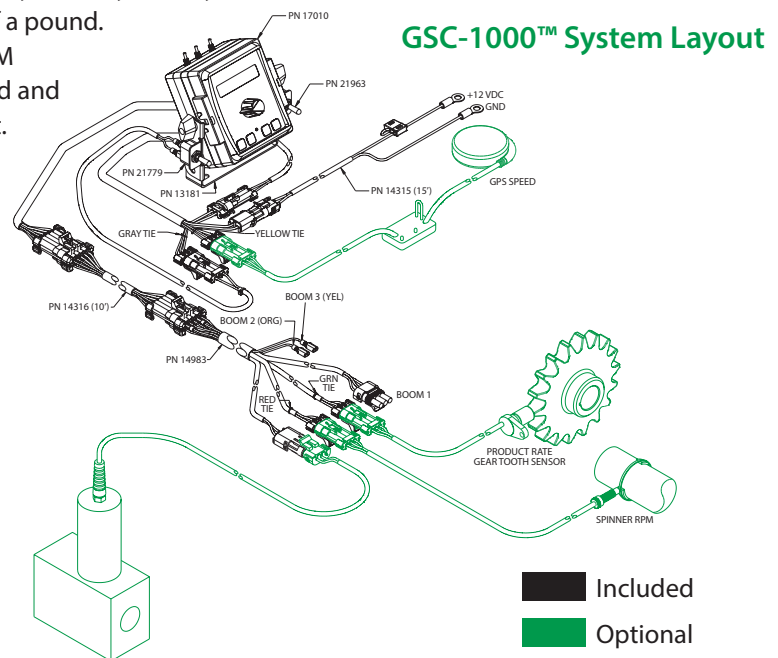


A low-cost high performance easy-to-use dry rate controller that not only controls product rate, but also has an optional RPM input. Once the spreader constant has been determined by a simple calibration procedure, product density or gate setting can be changed by simply entering calibration and changing the density or gate height; no need to re-calibrate the spreader constant.

Alternately the GSC-1000 can be easily and quickly configured to do non-ground speed based spinner RPM control.

Features:

- 3 independent area & volume counters to record your daily, weekly and seasonal totals
- Ultra accurate; displays rate down to 1/100th of a pound.
- Conveniently controls apron rate or spinner RPM
- Automatically stops apron if No Flow is detected and alerts operator to prevent over applying product.
- Monitors spinner RPM and displays product Weight per Minute for precise application.



GSC-1000™ CUSTOMIZED CONTROLLER

Select from **A B C D E** to build custom systems

A	GSC-1000™	
01402	GSC-1000™ Customized Kit, STD 12V	\$1,695.00
01403	GSC-1000™ Customized Kit, PWM	\$1,695.00
B	Speed Sensors	
01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00
C	RPM Sensors	
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00
14471	RPM Sensor Kit, RPM sensor, w/ molded shaft adapter, 6 magnets	\$137.24

Granular Rate Control Systems

D Flow Control**EMD - Electric Motor Driver Kits**

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp C E UK CA _____	\$895.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
18031	^Hydraulic Motor Cross Port Plug (replaces shutoff valve on motor for PWM control) _____	\$101.03

E Optional Items

01539	RPM Sensor Kit, RPM sensor, w/ mounting bracket, 2 magnets _____	\$149.11
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85
01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension _____	\$221.92

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5' _____	\$77.96
13201	Extension Cable, 2-pin MP 150, 10' _____	\$84.16
13202	Extension Cable, 2-pin MP 150, 15' _____	\$90.98
13203	Extension Cable, 2-pin MP 150, 20' _____	\$94.96
13204	Extension Cable, 2-pin MP 150, 25' _____	\$102.75
13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
14363	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5' _____	\$158.47
14316	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10' _____	\$234.97
14317	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15' _____	\$282.48
14364	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20' _____	\$347.02
14365	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25' _____	\$408.04

WP (Weather Pack) Extension Cables

10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45

Replacement Parts

14983	Harness Branch, servo, flow, RPM _____	\$293.99
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60
14536	Molded Shaft Adapter Kit, w/ 10 magnets _____	\$81.95
14471	RPM Sensor Kit, RPM sensor, w/ molded shaft adapter, 6 magnets _____	\$137.24
21779	Power Switch Assembly for consoles _____	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™ _____	\$196.79

PLANTING & SEEDING CONTROLLERS

PROPLANT™

SEED RATE
CONTROLLER

TURN YOUR PLANTER INTO A PRECISION MACHINE

Upgrade your planter with ProPlant™ and experience precision planting that pays off. This advanced electronic seed-rate control system delivers accurate spacing, improved yields, and effortless operation. With optional bin level alerts and easy setup, ProPlant™ helps you plant smarter and boost your bottom line.

**ACCURATE
CONSISTENT
SIMPLE**



17339 Power/
Section, 15'



17360 Flow, Servo,
Run/Hold, 15'



13270 Terminal Kit
w/ Fuse Holder

01204 A KIT: included w/ console

PROPLANT™ SEED RATE CONTROLLER

01204 A ProPlant™ Console Kit _____ \$2,088.00

Harness Kits

01200 ProPlant™ Single Section Mounted Harness Kit _____ \$208.00

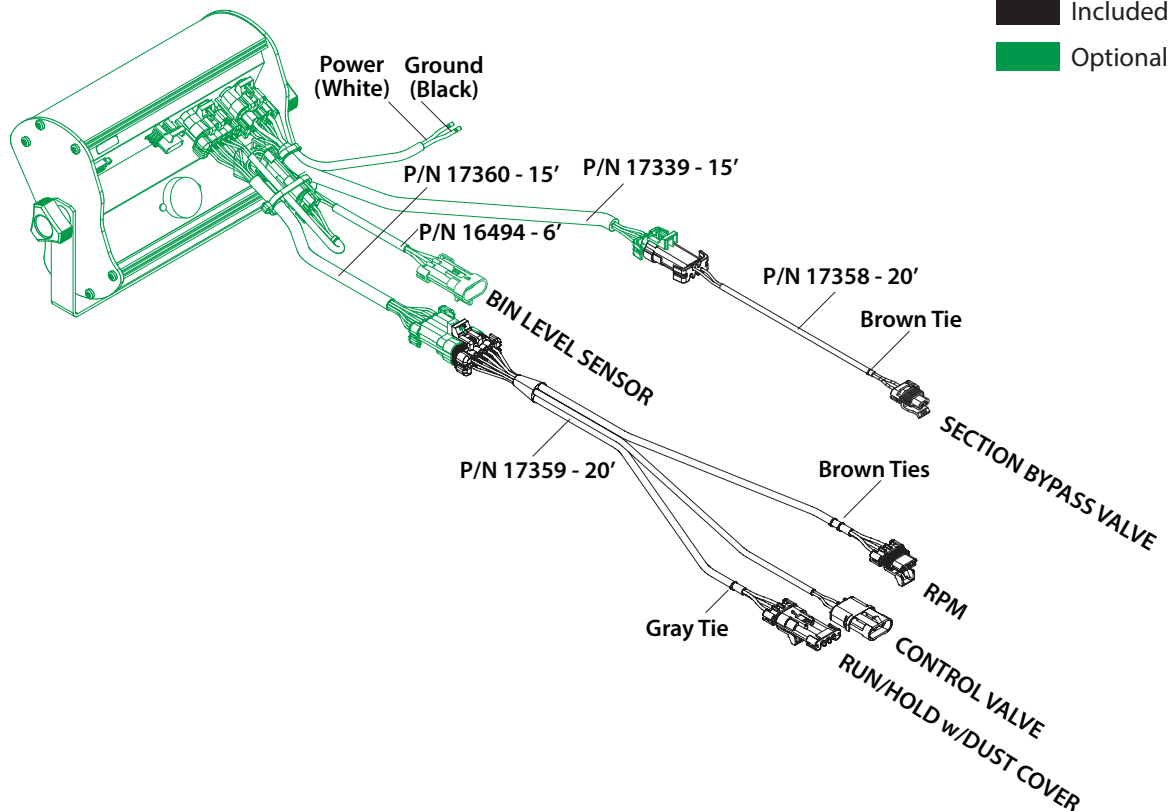
01202 ProPlant™ Multiple Drive Mounted Harness Kit _____ \$303.00

01201 ProPlant™ Single Section Drawn Harness Kit, w/ 25' extension cable _____ \$487.00

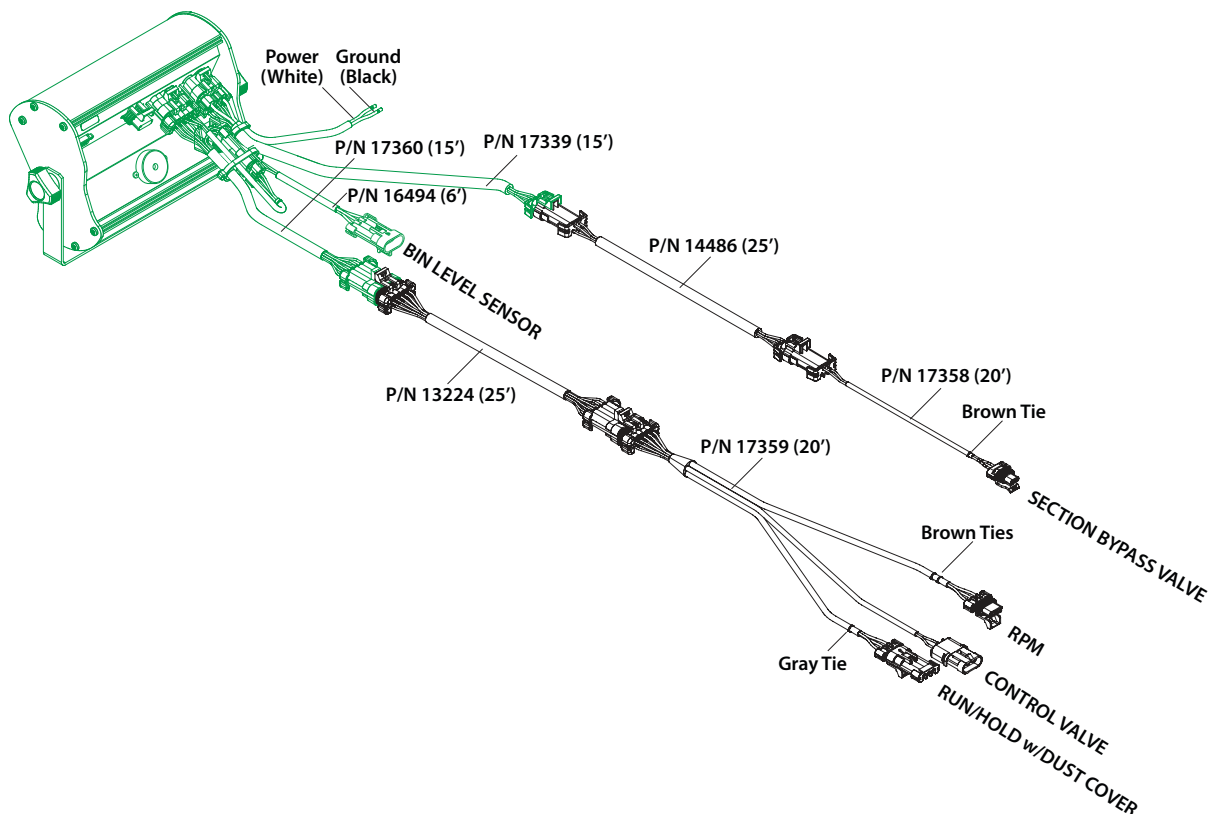
01203 ProPlant™ Multiple Drive Drawn Harness Kit, w/ 25' extension cable _____ \$585.00

PROPLANT SYSTEMS LAYOUTS

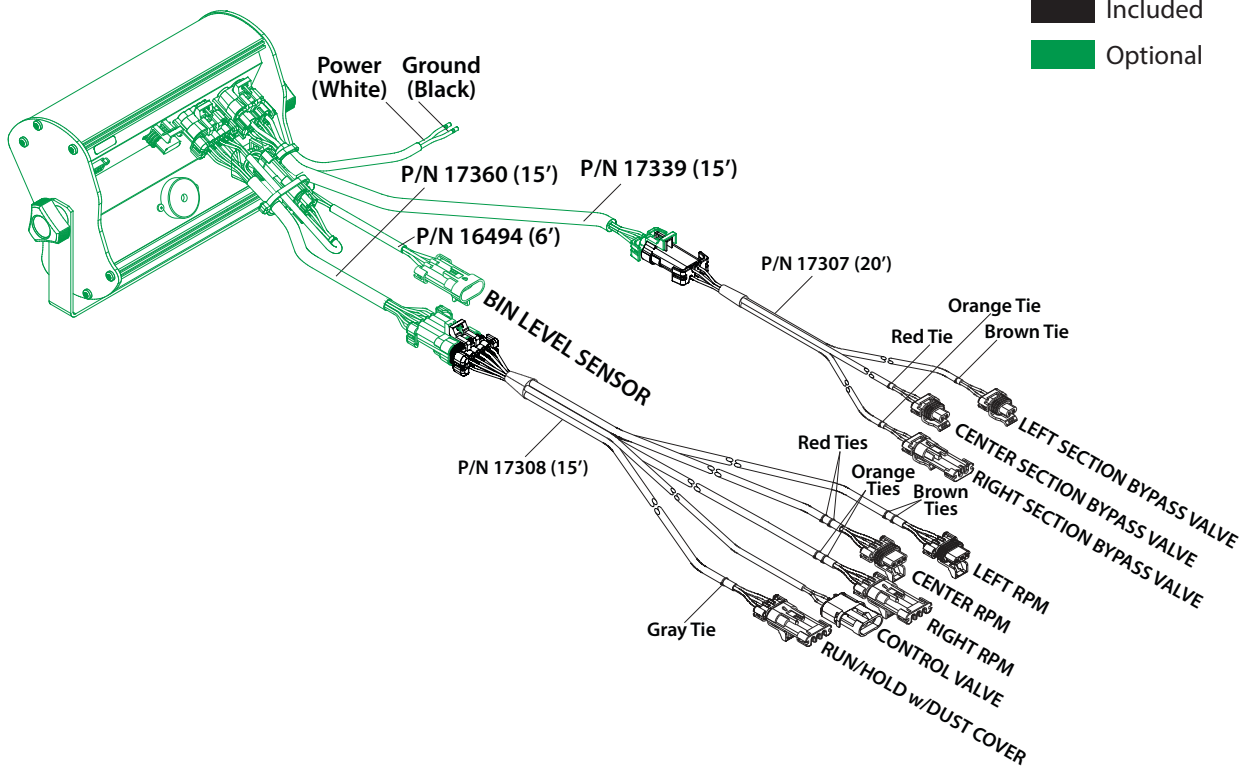
01200 KIT: ProPlant Single-Drive Mounted System Layout



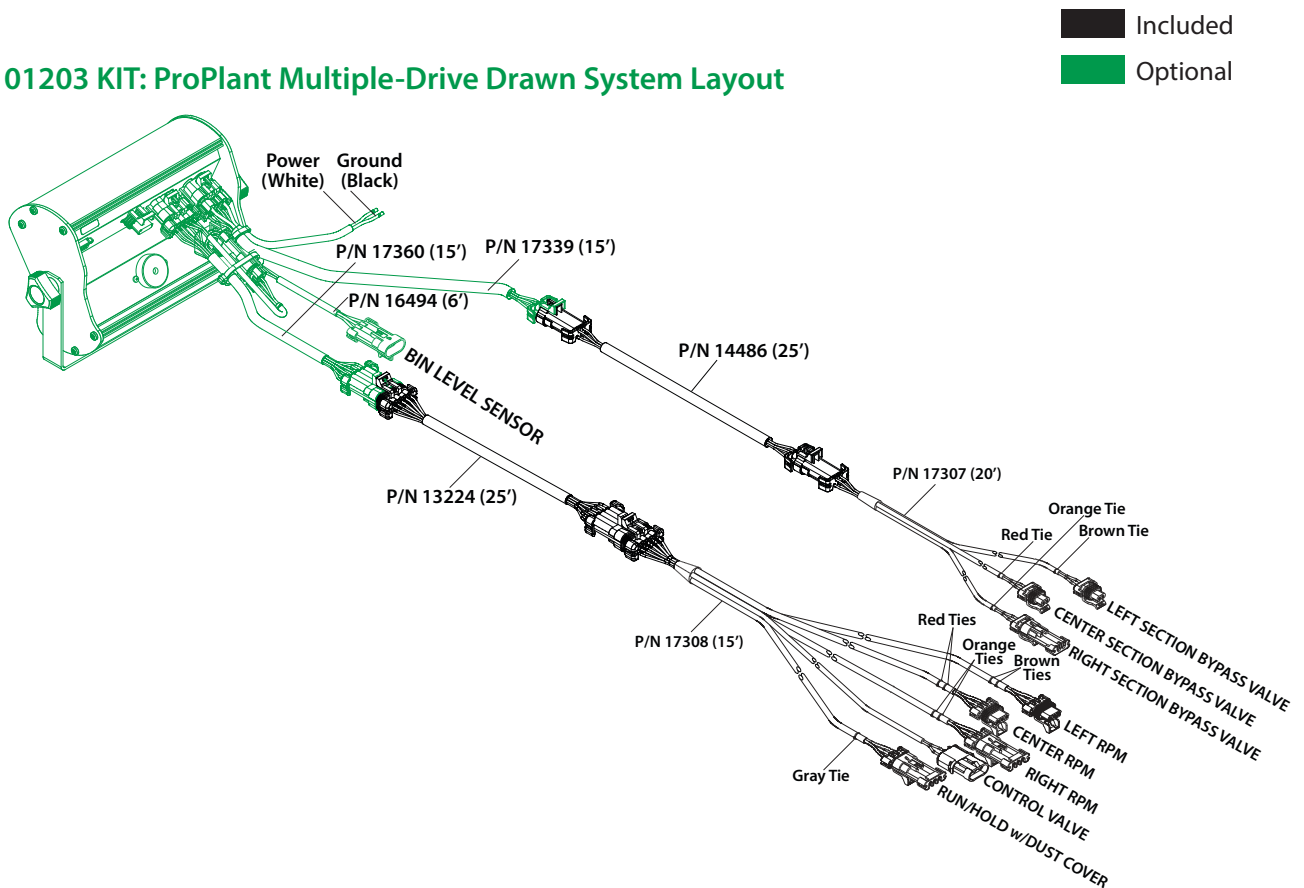
01201 KIT: ProPlant Single-Drive Drawn System Layout



01202 KIT: ProPlant Multi-Drive Mounted System Layout

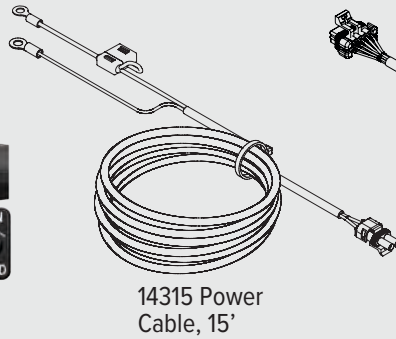
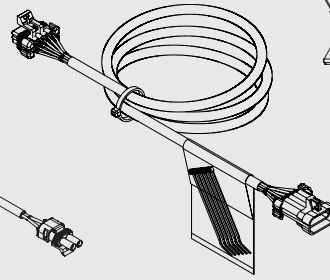
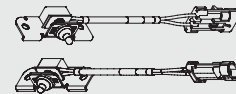
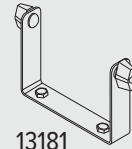


01203 KIT: ProPlant Multiple-Drive Drawn System Layout



DrillMaster™

01682 KIT: included w/ console

14315 Power
Cable, 15'13221 Extension
Cable, 10'Switches:
21778 Run/Hold
21779 Power13181
Console
Mount Kit

A precision seed and fertilizer rate controller designed for use with 1 to 3-section grain drills or applicators. It drives a PWM-controlled valve to maintain consistent flow across all motors, ensuring uniform application. As ground speed changes, DrillMaster automatically adjusts flow to maintain your target rate (lbs/acre), using drive shaft RPM and speed input for accurate control. Toggle switches allow individual sections to be turned off without affecting others, and built-in auto shutoff halts flow at zero speed. A "FILL" alert warns when seed bins are low, helping prevent skips and downtime.

Features:

- Maximize yields by consistently achieving target seed rate with smooth, stable hydraulic drive
- Eliminates erratic ground-wheel drive
- No more adjusting chains and sprockets to change seed rate
- Designed to control rate on the go — able to regulate up to 3 sections simultaneously
- Plant with confidence—DrillMaster™ alerts you instantly if a drive chain breaks or comes off.
- VRA seeding capability
- Simple to calibrate, test pre-field, and take right in to the fields

DRILLMASTER™ RATE CONTROLLER

01682 DrillMaster™ Console Kit _____ \$1,519.00

Harness Kits

01680 DrillMaster™ Mounted Harness Kit, 1 section, w/ 15' extension cable _____ \$311.00

01691 DrillMaster™ Drawn Kit, 2 section, w/ 40' extension cable _____ \$1,138.00

01684 DrillMaster™ Drawn Kit, 3 section, w/ 40' extension cable _____ \$1,268.00

Select 1 Primary and as Many Secondary Drive Assemblies as Needed from Below**Primary Drive (Select One)**

01209 ^Hydraulic Drive Kit, primary, 4.9 CID, #40 3/4" _____ \$4,206.00

01211 ^Hydraulic Drive Kit, primary, 4.9 CID, #40 7/8" _____ \$4,206.00

Secondary Drive (Select Qty. Required for Multi-Section Systems)

01210 ^Hydraulic Drive Kit, secondary, 4.9 CID, #40 3/4" _____ \$4,206.00

01212 ^Hydraulic Drive Kit, secondary, 4.9 CID, #40 7/8" _____ \$4,206.00

Hydraulic Flow Control Valve Kits (Select One)

13859 ^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____ \$2,470.00

14885 ^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____ \$2,470.00

Speed Sensors (Select One)

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00

01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00

01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

Optional Items

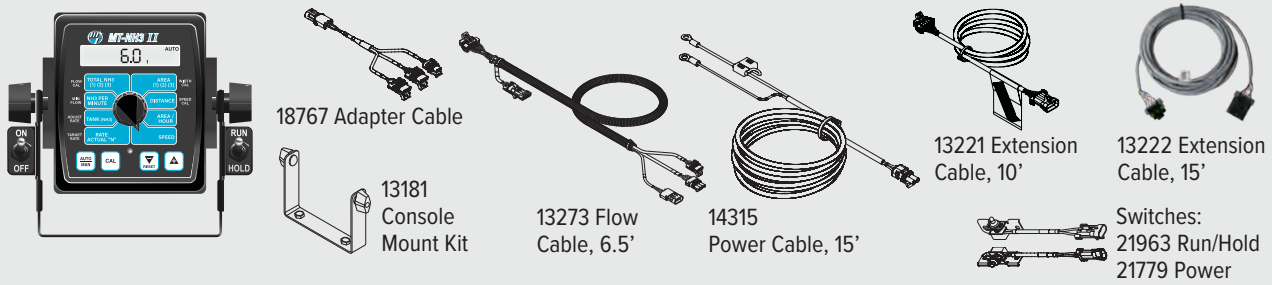
17370 ProPlant™ Variable Rate Token, green _____ \$252.78

18541 Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____ \$385.12

18529 A Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____ \$309.85

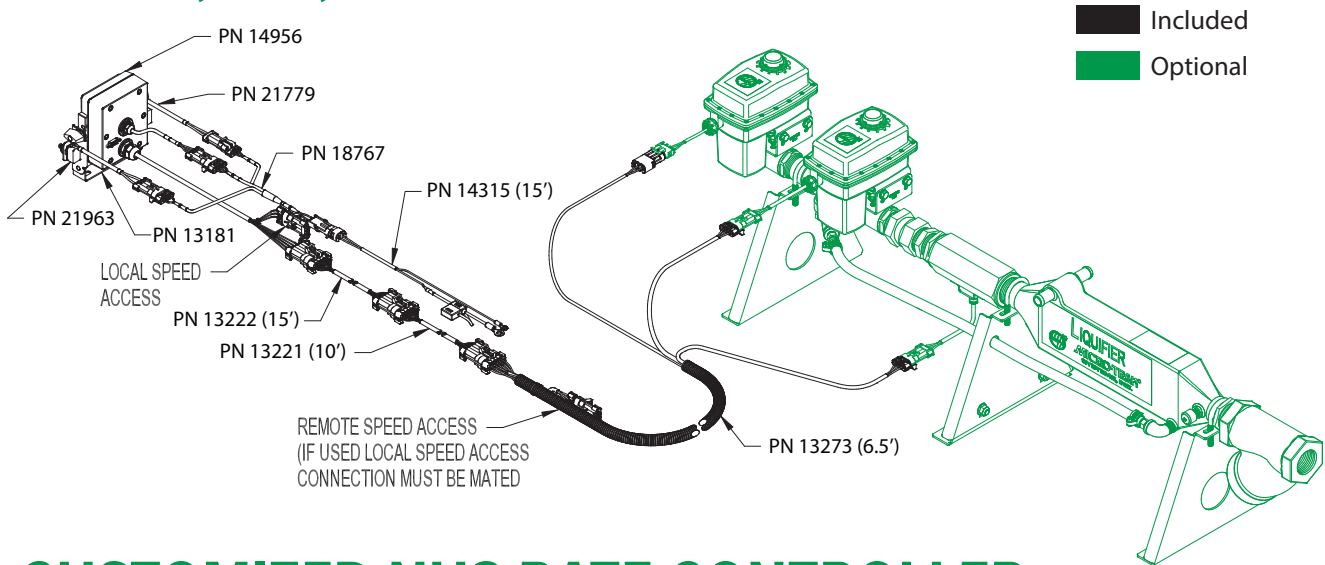
CUSTOMIZED NH3 RATE CONTROLLER

MT-NH3™ II MT-NH3™ II KIT: included w/ console



A precision rate controller built specifically for anhydrous ammonia applications. It delivers accurate control, real-time monitoring of key functions, and detailed job tracking with three independent area and volume counters. With enhanced reliability, built-in VRA capability, and smart troubleshooting alerts like "no speed" and "no flow," the MT-NH3 II offers everything you need for efficient, dependable application.

MT-NH3™ II System Layout



CUSTOMIZED NH3 RATE CONTROLLER

Select from **A B C D** to build custom systems

A Console with Main Harness

01144 MT-NH3™ II Console Kit for NH3, (requires Liquifier Kit) _____ \$1,613.00

B Speed Sensors

01410 Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz) _____ \$557.00

01425 Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz) _____ \$744.00

01437 Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II _____ \$793.00

01530 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets _____ \$263.00

01531 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets _____ \$284.00

01533 Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets _____ \$144.00

01554 RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____ \$409.00

C NH3 Kits

NH3 Application - Liquifier Kits (Liquifier kits come with one master shutoff valve, additional valves may be added)

01815 Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour _____ \$5,640.00

01816 Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour _____ \$5,640.00

01817 Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour _____ \$7,418.00

01818 Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour _____ \$16,395.00

17972 A ^KZValve® NH3 Shutoff Valve, 1" _____ \$1,500.91

When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)

Customized NH3 Rate Controller

NH3 Plumbing Panel Retrofit Kits

Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.

Note: flowmeter, control valve or shutoff valves are not included.

01772	Liquifier Cooler Retro Kit _____	\$3,731.00
01775	Liquifier Max Cooler Retro Kit _____	\$9,347.00

D Optional Items

MP (Metri-Pack) 150 Extension Cables

13205	Extension Cable, 3-pin MP 150, 5' _____	\$86.15
13206	Extension Cable, 3-pin MP 150, 10' _____	\$91.98
13207	Extension Cable, 3-pin MP 150, 15' _____	\$103.41
13208	Extension Cable, 3-pin MP 150, 20' _____	\$109.98
13209	Extension Cable, 3-pin MP 150, 25' _____	\$117.38
13220	Extension Cable, 10-pin MP 150, 5' _____	\$149.74
13221	Extension Cable, 10-pin MP 150, 10' _____	\$178.82
13222	Extension Cable, 10-pin MP 150, 15' _____	\$204.47
13223	Extension Cable, 10-pin MP150, 20' _____	\$244.92
13224	Extension Cable, 10-pin MP 150, 25' _____	\$288.59
14142	Extension Cable, 10-pin MP 150, 50' _____	\$532.49

WP (Weather Pack) Extension Cables

10450	Extension Cable, 3-pin WP, 5' _____	\$80.40
10449	Extension Cable, 3-pin WP, 10' _____	\$90.12
10876	Extension Cable, 3-pin WP, 15' _____	\$102.76
10829	Extension Cable, 3-pin WP, 20' _____	\$113.71
11462	Extension Cable, 3-pin WP, 25' _____	\$124.45

Replacement Parts

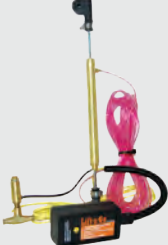
13620	Power Cable, 2-pin MP, MT-NH3™, 10' _____	\$57.12
13348	Pin, Quick Release Switchbox, SS _____	\$38.51
16466 A	Servo Regulator, WP _____	\$275.85
16467 A	Servo Regulator, Deutsch _____	\$275.85
17858	Suction Cup Mounting Kit for Console _____	\$188.00
18767	Adapter Cable, power/master switch, MT-NH3™ _____	\$84.62
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™ _____	\$196.79
21779	Power Switch Assembly for consoles _____	\$122.18
15875 A	Adapter Cable, Deutsch to W/P _____	\$59.72

LIFT-N-GO

DOLLY CRANKING MADE EASY

Dolly cranking is made easy with Lift-n-Go. This innovative system seamlessly integrates with the air leveling system of your semi tractor to lift the tractor rail, along with the weight of the trailer automatically. Just engage the parking brake and activate Lift-n-Go. You can now effortlessly crank up the dolly legs, disengage the parking brake and hit the road!

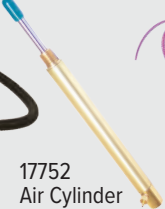
Lift-N-Go



Lift-N-Go KIT: included



17762 Control Box



17752 Air Cylinder



17646 Air Hose, 30'



17751 Brass T Fitting



17753 Accessory Bag



lift-n-go.com

Lift-N-Go

17674	^Lift-N-Go Kit, control box, air cylinder, brass T fitting, 30' air hose, accessory bag _____	\$591.05
	Quantity Pricing: 50 or more Lift-N-Go Kits _____	\$531.96

NH3 APPLICATION

LIQUIFIER™ ULTRA LOW-RATE	LIQUIFIER™ JUNIOR	LIQUIFIER™	LIQUIFIER™ MAX
			
2800 lbs. NH3/hr. 11 GPM(@100 PSI) 01815 Included in the Kit: Mounting Brackets 20290 Strainer Assembly 19797 Flowmeter 17392 A Flow Snr. Cable, 10" 19101 Servo Valve 17972 A Shut-off Valve 18465 Heat Exchanger	6000 lbs. NH3/hr. 23 GPM(@100 PSI) 01816 Included in the Kit: Mounting Brackets 20290 Strainer Assembly 10899 Flowmeter 17392 A Flow Snr. Cable, 10" 19102 Servo Valve 17972 A Shut-off Valve 18555 Heat Exchanger 11024 & 11025 Tubing	12000 lbs. NH3/hr. 40 GPM(@100 PSI) 01817 Included in the Kit: Mounting Brackets 18302 Strainer Assembly 19799 Flowmeter 17392 A Flow Snr. Cable, 10" 18187 Servo Valve 17972 A Shut-off Valve 18183 Heat Exchanger 11024 & 11025 Tubing	21000 lbs. NH3/hr. 70 GPM(@100 PSI) 01818 Included in the Kit: Mounting Brackets 18302 Strainer Assembly 19798 Flowmeter 17392 A Flow Snr. Cable, 10" 18185 Servo Valve 18186 Shut-off 18183 Heat Exchanger 11024 & 11025 Tubing
MICRO-TRAK® LIQUIFIERS ARE ALL ASSEMBLED AND PRESSURE TESTED			

Leave corrosion and hours of seasonal maintenance behind with The Liquifier's stainless-steel construction – naturally rust-resistant, tough, N-Serve® compatible, and ready for all field conditions. Combine this rugged design with outstanding efficiency and industry-leading flow capacity and the choice becomes clear. No assembly required – right out of the box it is complete, leak-tested, and ready to bolt on to your toolbar. Versatile and adaptable, it easily connects to all major-brand controllers.

Liquifier kits

(Liquifier kits come with one master shutoff valve, additional valves may be added)

01815	Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour	\$5,640.00
01816	Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour	\$5,640.00
01817	Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour	\$7,418.00
01818	Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour	\$16,395.00
17972 A	^KZValve® NH3 Shutoff Valve, 1"	\$1,500.91

When PN 17972 is ordered, PN 15875 is needed for operation. (Page 71)

NH3 Plumbing Panel Retrofit kits

Includes Strainer (2 for MAX), cooler (2 for MAX), Y-pipe (MAX), vapor tubes and hoses, mounting bracket and hardware.

Note: flowmeter, control valve or shutoff valves are not included.

01772	Liquifier Cooler Retro Kit	\$3,731.00
01775	Liquifier Max Cooler Retro Kit	\$9,347.00

DirectConnect™ for NH3

Note: the following kits are harnesses only - choose NH3 Liquifier kit above.

John Deere®

01828	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1 section, 37-pin AMP CPC	\$782.00
01829	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-6 sections	\$1,062.00
01830	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-10 sections	\$1,305.00
18458	DirectConnect™ Master/Relief/Agitation Cable for GreenStar™ Rate Controller, liquid/NH3	\$272.00

Trimble®

18328	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1 section, liquid/NH3, 7'	\$449.00
19721	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1-6 sections, NH3, 7'	\$906.00

Raven

01596	DirectConnect™ Harness Kit for Raven 440/450, 1 section, NH3	\$787.00
01597	DirectConnect™ Harness Kit for Raven 440/450, 5 section, NH3	\$1,082.00

AgLeader®

01586	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, 1 section, NH3	\$814.00
01587	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, 5 sections, NH3	\$1,617.00

Direct Connect™ Auto Section Control Adapters

TeeJet® Centerline 230BP and BoomPilot®

17891	DirectConnect™ T-Adapter for TeeJet® 230 BP/BoomPilot®	\$1,577.00
19727	DirectConnect™ Adapter Cable, TeeJet® ASC to RateKing™	\$565.00

DIRECTCONNECT™ LIQUID CONTROL SYSTEMS

Select from **A B C** to build custom systems

A Main Harness Kits

John Deere®

01828	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1 section, 37-pin AMP CPC	\$782.00
01829	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-6 sections	\$1,062.00
01830	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-10 sections	\$1,305.00
18458	DirectConnect™ Master/Relief/Agitation Cable for GreenStar™ Rate Controller, liquid/NH3	\$272.00

Trimble®

17627	DirectConnect™ Harness Kit for Trimble® EZ Boom™ 2010, liquid, 1-7 section	\$1,137.00
18328	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1 section, liquid/NH3, 7'	\$449.00
18349	DirectConnect™ Trimble® Field IQ™ Harness Kit, liquid, 1-6 sections, 7'	\$764.00
18350	*DirectConnect™ Trimble® Field IQ™, Harness Kit, liquid, 1-12 sections, 7'	\$980.00

Raven

17628	DirectConnect™ Harness Kit for Raven 440/450, liquid	\$1,137.00
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AgLeader®

01651	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, liquid	\$532.00
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Case IH®

18294 D	DirectConnect™ Liquid Fertilizer Cable for Case IH® AFS Pro 600/700, liquid, 10'	\$284.00
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B Flowmeter Kits

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

C Flow Control

Servo Valve (Butterfly) Kits

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI _____	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI _____	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI _____	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI _____	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200 _____	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI _____	\$631.00

EMD - Electric Motor Driver Kits

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp  _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

Hydraulic Flow Control Valve Kits

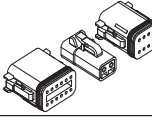
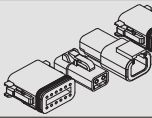
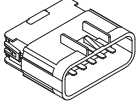
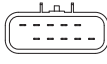
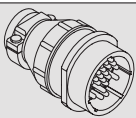
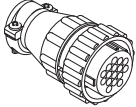
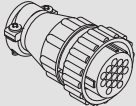
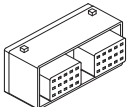
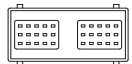
01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI _____	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI _____	\$1,192.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

Hydraulic Motor/Shutoff Valve Assemblies

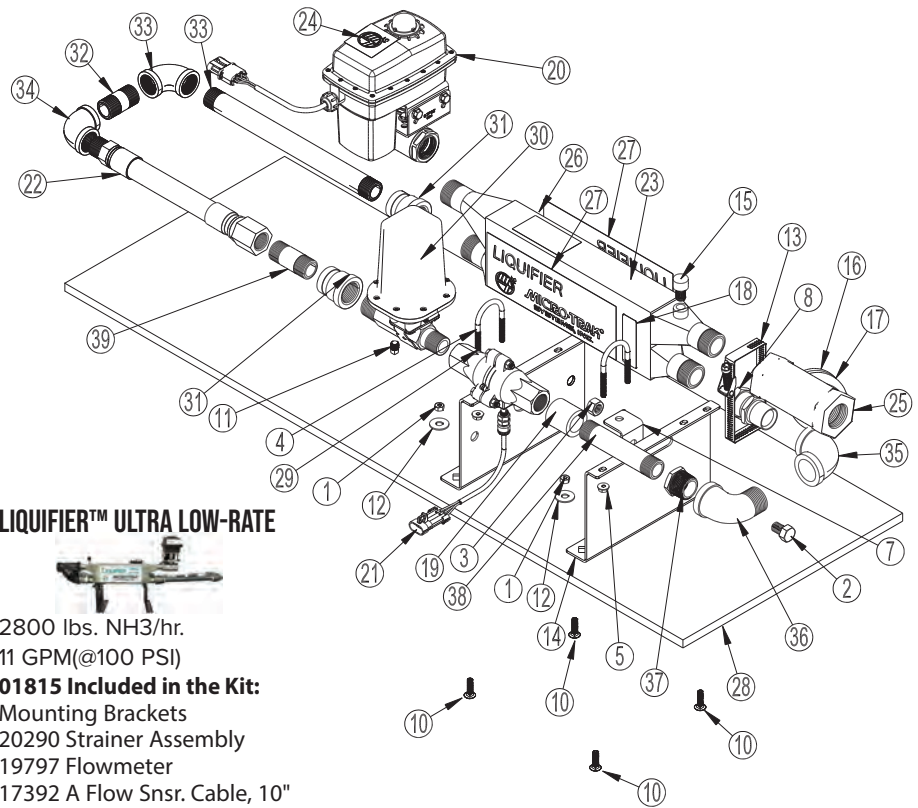
17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets) _____	\$2,436.00
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Optional Items

18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85
16399 A	Adapter Cable, MT DirectConnect™, 37-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18" _____	\$707.24
16425 A	Adapter Cable, MT DirectConnect™, 16-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18" _____	\$660.30

Console	Kit Number	Connector(s)	
Ag Leader® DirectCommand™ Liquid Control	01651	Deutsch® DT-06 12-Pin Deutsch® DT-06 8-Pin Deutsch® DTP-06 2-Pin	  
Ag Leader® DirectCommand™ NH3 Control	01586 - 1 Section 01587 - 5 Section	Deutsch® DT-06 12-Pin Deutsch® DT-06 8-Pin Deutsch® DTP-04 2-Pin Deutsch® DTP-06 2-Pin	   
Case® AFS™ Pro 600 & 700 Liquid Control	18294 D	Delphi® GT-280 12-pin	 
John Deere® GreenStar™ Liquid & NH3 Control	01828 - 1 Section 01829 - 6 Section 01830 - 10 Section	AMP® CPC 37-pin	 
Raven® SCS 440™ & 450™ Liquid & NH3 Control	17628 - Liquid 01596 - NH3 1 Section 01597 - NH3 5 Section	AMP® CPC 16-pin	 
Trimble® EZ-Boom™ 2010 Liquid	17627 - Liquid	AMP® CPC 16-pin	 
Trimble® Field-IQ™ Liquid & NH3 Control	18328 - Liq. or NH3 1 Section 18349 - Liq. or NH3 6 Section	Cinch® SHS 30-pin	 

PART LIST			
ITEM NO.	PART NO.	QTY	DESCRIPTION
1	10059	4	NUT, 1/4-20, HEX, ZINC
2	10212	1	CAP SCREW, 1/2"-13 X 3/4"
3	10214	4	NUT, 1/2"-13 WHIZ-LOCK
4	10215	2	U-BOLT, #07 1/4 X 1-1/2"
5	10221	4	NUT, 1/4-20 WHIZ-LOCK
6	11010	1	SIDE BRACKET, NH3 MOUNT - PAINTED
7	11012	1	BRACKET, MOUNTING "L", PAINTED
8	11013	1	CONN., 1" FEM. TO 1" MALE SWIVEL
9	11027	.12	TEFLON TAPE
10	11104	4	CARRIAGE BOLT, 1/4-20 X 1"
11	12828	1	PLUG, 1/8" SQ. HEAD
12	12887	4	WASHER, 1/4" X 1" OD FENDER
13	12923	1	CLAMP, QUICK RELEASE
14	11010-B	1	SIDE BRACKET NH3 MOUNT
15	14231	1	VALVE, A-400-B HYDRO RELIEF
16	14851	1	PLUG, 1/2" W/MAGNET
17	17548	1	BUSHING, 3/4" X 1/2" BLK
18	17706	1	LABEL, BLANK 3" X 1"
19	17775	1	BUSHING, MT-NH3500, NYLON
20	17972	1	KZ 1" 12V ELEC. NH3 SHUT-OFF VALVE
21	17392	1	CABLE, 1' H-E FLOW SENSOR
22	18004	1	HOSE ASSY, 3/4" FPT SWVL 12"
23	18215	1	DECAL, NH3 CAUTION
24	18216	1	DECAL, M-T ORB, 2" X 2"
25	18307	1	STRAINER, PAGET 1" TYPE B 600#
26	18465	1	HEAT EXCHANGER, ULR NH3 500
27	18569	2	LABEL, LIQ. ULTRA LOW RATE, HE
28	18570	1	PLYWOOD, LO-RATE & JR.
29	19797	1	FM750 SS NH3 LOW FLOW FLOWMETER
30	19101	1	SERVO VALVE, ULTRA LOW RATE, NH3
31	18603	2	COUPLER, 1" X 3/4" SCH 80
32	18604	1	NIPPLE, 3/4" X 2" SCH 80
33	18605	1	NIPPLE, 3/4" X 12" SCH 80
34	18606	2	ELBOW, 90°, 3/4" FPT, SCH 80
35	18607	1	ELBOW, 90°, 1" FPT, SCH 80
36	18608	1	STREET EL, 90°, 1", SCH 80
37	18609	1	BUSHING, 1" X 3/4", CLS 3000
38	18610	1	NIPPLE, 3/4" X 5", SCH 80
39	18611	1	NIPPLE, 3/4" X 2.5", SCH 80

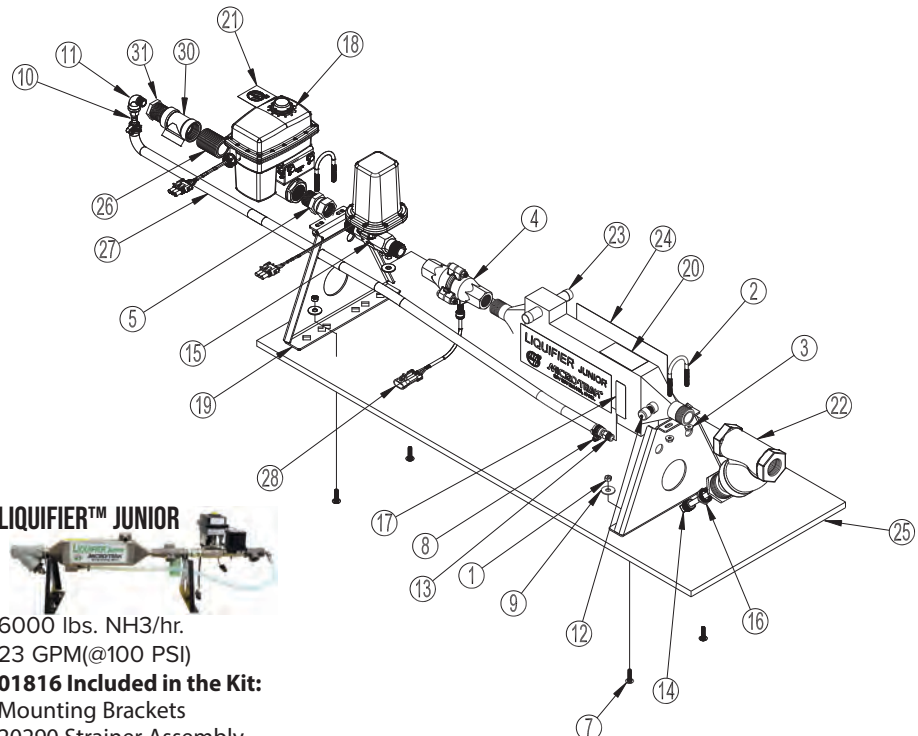


LIQUIFIER™ ULTRA LOW-RATE

2800 lbs. NH3/hr.
11 GPM(@100 PSI)

01815 Included in the Kit:
Mounting Brackets
20290 Strainer Assembly
19797 Flowmeter
17392 A Flow Snsr. Cable, 10"
19101 Servo Valve
17972 A Shut-off Valve
18465 Heat Exchanger

PART LIST			
ITEM NO.	PART NO.	QTY	DESCRIPTION
1	10059	4	NUT, 1/4-20, HEX, ZINC
2	10215	2	U-BOLT, #7 1/4" X 1-1/2"
3	10221	4	NUT, 1/4-20, WHIZ-LOCK, ZINC
4	10899	1	FM750 N FLOWMETER/NH3 ONLY
5	11013	1	CONN. 1" FEM. TO 1" MALE SWIVEL
6	11027	AR	TEFLON TAPE (NOT SHOWN ON DWG)
7	11104	4	CARRIAGE BOLT, 1/4" X 1"
8	12179	2	HOSE CLAMP, #4 ALL STAINLESS
9	12887	4	WASHER, 1/4" X 1" OD FENDER
10	18189	1	ORIFICE, A-1132-2, 1/4" MPT X 3/8" HB
11	14301	1	ELBOW, 1/4" STREET 90D BLACK
12	14231	1	VALVE, A-400-B HYDRO RELIEF
13	14232	1	HOSE BARB, A-1132 1/4" MPT X 3/8 HB
14	14851	1	NH3 STRAINER 1/2" PLUG W/MAGNET
15	19102 A	1	NH3 SERVO, 3/4" X 1" 2016
16	17548	1	BUSHING, 3/4" X 1/2" BLK
17	17706	1	LABEL, BLANK 3" X 1"
18	17972	1	KZ 1" 12V ELEC. NH3 SHUTOFF VALVE
19	18213	2	BRACKET, LIQUIFIER NARROW
20	18215	1	DECAL, NH3 CAUTION
21	18216	1	DECAL, M-T 2" X 2" ORB
22	18307	1	STRAINER, PAGET 1"
23	18555	1	HEAT EXCHANGER, LIQUIFIER JR.
24	18568	2	LABEL, LIQUIFIER JR. HT EXCHANGER
25	18570	1	PLYWOOD, LO RATE & JR.
26	18198	1	NIPPLE, 1" X CLOSE BLK #40
27	20486	2	TUBING, 3/8" ID EVA. BULK
28	17392	1	CABLE, 1' H-E FLOW SENSOR
29	12828	1	PLUG, 1/8" SQ HEAD, #304 SS
30	18194	1	TEE, 1"X1"X1" BLACK #40
31	18195	1	BUSHING, 1"X1/4" RED. BLK #40

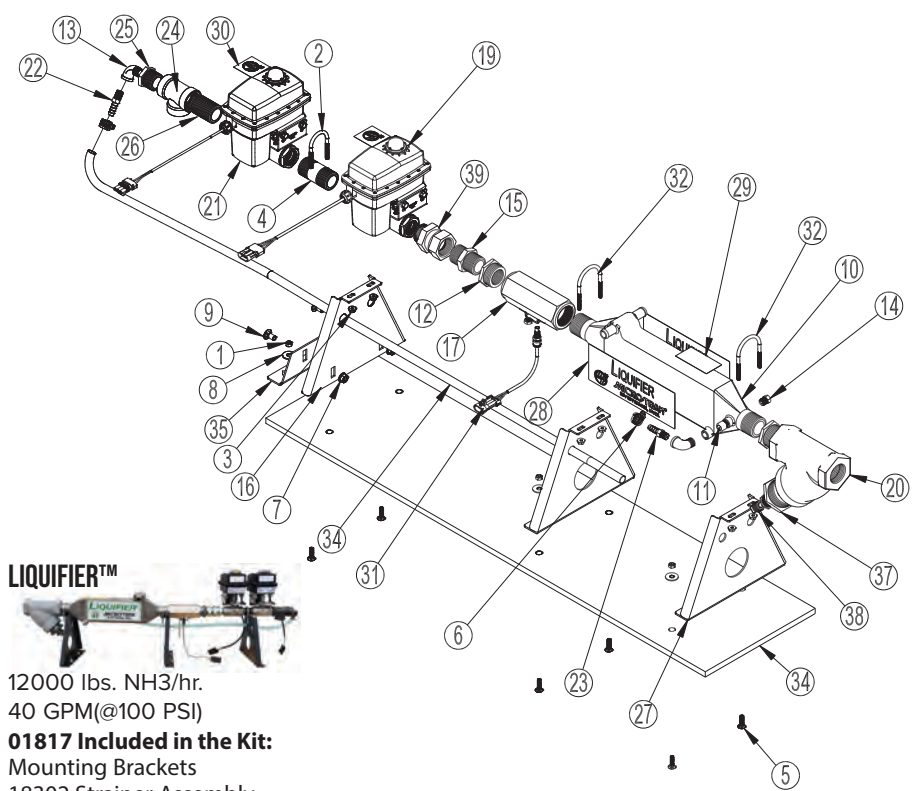


LIQUIFIER™ JUNIOR

6000 lbs. NH3/hr.
23 GPM(@100 PSI)

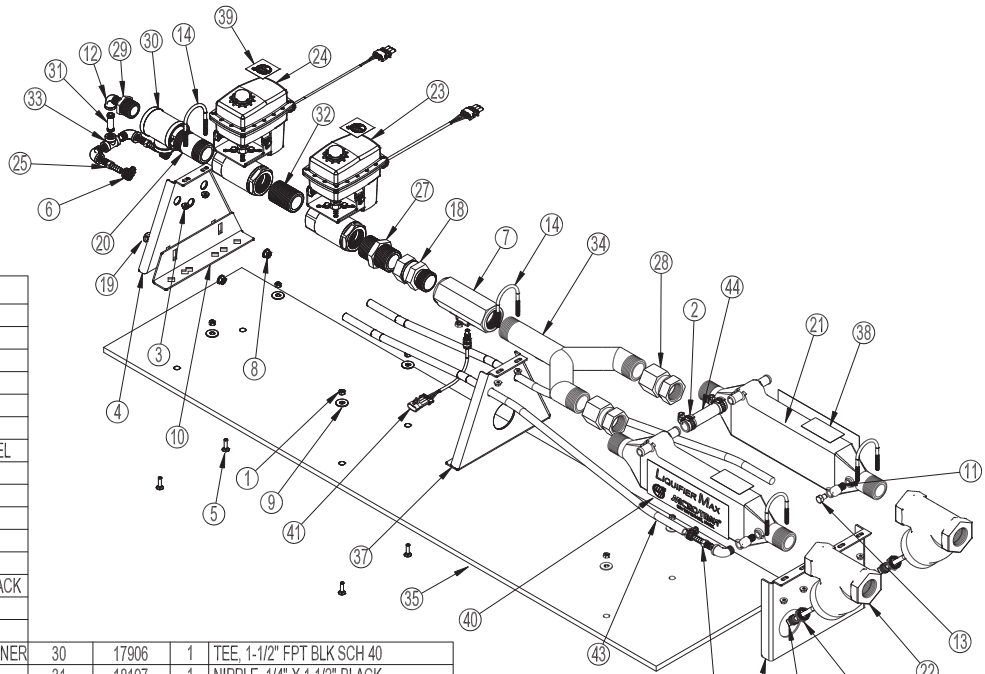
01816 Included in the Kit:
Mounting Brackets
20290 Strainer Assembly
10899 Flowmeter
17392 A Flow Snsr. Cable, 10"
19102 Servo Valve
17972 A Shut-off Valve
18555 Heat Exchanger
11024 & 11025 Tubing

PART LIST			
ITEM NO.	PART NO.	QTY	DESCRIPTION
1	10059	6	NUT, 1/4-20, HEX, ZINC
2	10215	1	U-BOLT, #7 1/4" X 1-1/2
3	10221	6	NUT, 1/4-20, WHIZ-LOCK, ZINC
4	11021	1	NIPPLE, 1" X 3" #80 BLACK
5	11104	6	CARRIAGE BOLT, 1/4-20 X 1", ZINC
6	12179	2	HOSE CLAMP, #4 STAINLESS STEEL
7	12839	2	NUT, 3/8-16 WHIZ-LOCK, ZINC
8	12887	6	WASHER, 1/4-20 X 1" O.D., FENDER
9	12837	2	CARRIAGE BOLT, 3/8" X 3/4"
10	18183	1	HEAT EXCHANGER, HE5.0 ST/250 PSI
11	14231	1	VALVE, A-400-B, HYDRO RELIEF
12	18618	1	BUSHING, 1-1/2" X 1-1/4" REDUCER
13	14301	2	ELBOW, 1/4" NPT, STREET 90° BLACK
14	14302	1	PLUG, 1/4" NPT BLACK
15	18303	1	NIPPLE, 1-1/4" STEEL
16	14303	1	BRACKET, TOP ADJUSTABLE, PNTD
17	19799	1	FM1500-E SS LF NH3 FLOWMETER
18	17706	2	LABEL, BLANK 3" X 1"(NOT SHOWN)
19	17972	1	VALVE, SHUTOFF, KZ 1"
20	18184	1	STRAINER, 1-1/2"
21	18187	1	VALVE, REGULATING, KZ, 1"
22	14232	1	ORIFICE, A-1132-2, 1/4" NPT X 3/8" HB
23	18189	1	FITTING, 1/4" NPT X 3/8" HB
24	18194	1	TEE, 1" FPT BLACK #40
25	18195	1	BUSHING, 1" X 1/4" REDUCER
26	18198	1	NIPPLE, 1" X CLOSE, BLACK #40
27	18213	2	BRACKET, LIQUIFIER NARROW
28	18214	2	DECAL, LIQUIFIER
29	18215	1	DECAL, NH3 CAUTION
30	18216	2	DECAL, M-T 2" X 2" ORB
31	17392	1	CABLE, 1' H-E FLOW SENSOR
32	14304	2	U-BOLT, 1/4-20 X 1.75 X 2.75 ZC
33	20486	3.75 FT	TUBING, 3/8" ID EVA
34	18237	1	PLYWOOD, 1/2" X 15 7/8" X 58", CDX
35	18305	1	BRACKET, ADJUSTABLE, BOTTOM
36	11027	.12	TEFLON TAPE (NOT SHOWN)
37	18204	1	BUSHING, 1" X 1/2" REDUCER



12000 lbs. NH3/hr.
40 GPM(@100 PSI)
01817 Included in the Kit:
Mounting Brackets
18302 Strainer Assembly
19799 Flowmeter
17392 A Flow Snsr. Cable, 10"
18187 Servo Valve
17972 A Shut-off Valve
18183 Heat Exchanger
11024 & 11025 Tubing

PART LIST			
ITEM NO.	PART NO.	QTY	DESCRIPTION
1	10059	6	NUT, 1/4-20, HEX, ZINC
2	10191	2	HOSE CLAMP, #8 X 1/2" SS
3	10221	8	NUT, 1/4-20, WHIZ-LOCK, ZINC
4	18303	1	BRACKET, ADJUSTABLE, TOP
5	11104	6	CARRIAGE BOLT, 1/4-20 X 1", ZINC
6	12179	4	HOSE CLAMP, #4 STAINLESS STEEL
7	19798	1	FLOWMETER, FM1500, SS
8	12839	2	NUT, 3/8-16 WHIZ-LOCK
9	12887	6	WASHER, 1/4" X 1" O.D., FENDER
10	18305	1	BRACKET, ADJUSTABLE, BOTTOM
11	14231	2	VALVE, A-400-B, HYDRO RELIEF
12	14301	5	ELBOW, 1/4" NPT, STREET 90° BLACK
13	14302	2	PLUG, 1/4" NPT BLACK
14	14304	4	U-BOLT, 1/4-20 X 1.38" X 2" I.D.
15	14851	2	PLUG, 1/2" W/MAGNET, NH3 STRAINER
16	18204	2	BUSHING, 1" X 1/2" BLK 3000 PSI
17	17706	2	LABEL, BLANK 3" X 1"(NOT SHOWN)
18	17903	1	FTTG., 1-1/2" MPT X 1-1/2" FPT SWIVEL
19	12837	2	CARR. BOLT, 3/8-16 X 3/4"
20	17955	1	NIPPLE, 1-1/2" X 3" BLACK
21	18183	2	HEAT EXCHANGER, 1-1/2" PORT
22	18184	2	STRAINER, 1-1/2"
23	18186	1	VALVE, 1.5" SHUTOFF, KZ
24	18185	1	VALVE, 1-1/2" REGULATOR, KZ
25	14232	2	ORIFICE, A-1132-1, 1/4" MPT X 3/8" HB
26	18189	2	HOSE BARB, 1/4" MPT X 3/8"
27	18190	1	NIPPLE, 1-1/2" FF-S
28	18193	2	SWIVEL, 1-1/2" FEMALE
29	19792	1	BUSHING, 1-1/2" MPT X 1/4" FPT



LIQUIFIER™ MAX



21000 lbs. NH3/hr.
70 GPM(@100 PSI)
01818 Included in the Kit:
Mounting Brackets
17392 A Flow Snsr. Cable, 10"
18302 Strainer Assembly
19798 Flowmeter
18183 Heat Exchanger
18185 Servo Valve
11024 & 11025 Tubing

ACCESSORIES

SPEED SENSORS

Speed Sensors for Micro-Trak's Current Line of Products

01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01526	^Vansco® Radar Speed Sensor with Gen. II adapter cable	\$1,325.91
01527	^Vansco® Radar Speed Sensor with Gen. I adapter cable	\$1,325.91
01528	^Vansco Radar Speed Sensor with 4-pin AMP connector	\$1,295.44
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00

FLOWMETERS

Turbine Type Flowmeter Kits

01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$695.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01687	FM750 GFN Kit, w/ reed flow sensor, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$492.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00

Electromagnetic Flowmeter Kits

01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS	\$1,714.00

FLOW CONTROL OPTIONS

Liquid Flow Control Valves

19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

Hydraulic Flow Control Valves (DrillMaster™ PWM, ProPlant™ STD)

01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI	\$809.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI	\$1,192.00

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Flow Control Options, cont.

02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00

EMD - Electric Motor Driver Kits

18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
01757	Electric Motor Driver Kit, STD, 40 Amp _____	\$895.00
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
01758	Electric Motor Driver Kit, PWM, 40 Amp _____	\$895.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00

EMD Options

19963	Secondary Pump Enable Cable using Multifunction Output, includes 18928 & 18420 lead _____	\$371.00
18928	Secondary Pump Enable Relay Cable using a Multifunction Output _____	\$291.88
18422	Y Cable, 2 Pin MP 480, 1 Shroud & 2 towers, 2', (40 Amp EMD dual motor) _____	\$139.00
18927	Splitter Cable, PWM, runs up to 3 EMD's _____	\$113.89

RUN/HOLD SENSOR KITS

01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension _____	\$221.92
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable _____	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount) _____	\$309.85

RELAY KITS

19877	Flo-Pro™ Relay Kit, 15 Amp max _____	\$262.00
16087 A	Relay Assembly, 40 Amp, with multifunction enable _____	\$221.45
17200	Relay Kit, Flow-Trak™ II _____	\$197.02

RPM SENSORS

14471	RPM Sensor Kit, RPM sensor, w/ molded shaft adapter, 6 magnets _____	\$137.24
01539	RPM Sensor Kit, RPM sensor, w/ mounting bracket, 2 magnets _____	\$149.11
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket _____	\$409.00
17922	RPM Sensor Kit, proximity or gear tooth sensor, w/ 6" cable, mounting bracket _____	\$268.10

PRESSURE SENSORS

18757	Pressure Sensor only, 150 PSI, 4 to 20mA _____	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA _____	\$292.63
18754	Single Pressure Sensor Cable, Plus Series, 15' _____	\$105.06
18755	Dual Pressure Sensor Cable, Plus Series, 15' _____	\$185.93
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable _____	\$156.87
18765	Pressure Harness Kit, dual, w/ 15' sensor cable, 10' extension cable _____	\$292.63

BIN LEVEL SENSOR

01544	Bin Level Sensor Kit, IR type sensor _____	\$175.00
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IBIC BREAKAWAY IMPLEMENT CABLE OPTIONS

19700 C	IBIC Breakaway Implement Cable, w/ power connection, 10' _____	\$876.00
15891 B	IBIC Breakaway Implement Cable, w/power connection, 30' _____	\$1,310.00

ISOBUS TAP CABLE OPTIONS

16544 A	ISOBUS Tap Cable, Agra-GPS/CLAAS	\$269.00
18894 B	ISOBUS Tap Cable, 6-pin MP 150	\$269.00
18895 C	ISOBUS Tap Cable, 12-pin Ampseal, John Deere®	\$269.00
18896 B	ISOBUS Tap Cable, 4-pin Delphi MP 630, Great Plains/Dickey JOHN®	\$269.00
18897 B	ISOBUS Tap Cable, 8-pin GT280, Case IH®	\$269.00
19857	ISOBUS Tap Cable Kit, w/ 6-pin MP150, 18894 and 18955 ECU power adapter cable	\$361.00
18955	Adapter Cable Kit, ECU power	\$169.00
16041 A	ISOBUS Tap Cable, 12-pin Deutsch, Case IH® 2100 Series Planter	\$269.00

EXTENSION CABLES

WP (Weather Pack) Extension Cables

11560	Extension Cable, 2-pin WP, 5'	\$61.62
11561	Extension Cable, 2-pin WP, 10'	\$71.58
11671	Extension Cable, 2-pin WP, 15'	\$77.89
11672	Extension Cable, 2-pin WP, 20'	\$79.54
10450	Extension Cable, 3-pin WP, 5'	\$80.40
10449	Extension Cable, 3-pin WP, 10'	\$90.12
10876	Extension Cable, 3-pin WP, 15'	\$102.76
10829	Extension Cable, 3-pin WP, 20'	\$113.71
11462	Extension Cable, 3-pin WP, 25'	\$124.45
11050	Extension Cable, 6-pin WP, 5'	\$145.63
11051	Extension Cable, 6-pin WP, 10'	\$180.56
11052	Extension Cable, 6-pin WP, 20'	\$253.25

MP (Metri-Pack) 150 Extension Cables

13200	Extension Cable, 2-pin MP 150, 5'	\$77.96
13201	Extension Cable, 2-pin MP 150, 10'	\$84.16
13202	Extension Cable, 2-pin MP 150, 15'	\$90.98
13203	Extension Cable, 2-pin MP 150, 20'	\$94.96
13204	Extension Cable, 2-pin MP 150, 25'	\$102.75
13205	Extension Cable, 3-pin MP 150, 5'	\$86.15
13206	Extension Cable, 3-pin MP 150, 10'	\$91.98
13207	Extension Cable, 3-pin MP 150, 15'	\$103.41
13208	Extension Cable, 3-pin MP 150, 20'	\$109.98
13209	Extension Cable, 3-pin MP 150, 25'	\$117.38
13419	Extension Cable, 3-pin MP 150, 50'	\$166.73
14482	Extension Cable, 5-pin MP 150, 5'	\$97.99
14483	Extension Cable, 5-pin MP 150, 10'	\$118.33
14484	Extension Cable, 5-pin MP 150, 15'	\$144.39
14485	Extension Cable, 5-pin MP 150, 20'	\$169.37
14486	Extension Cable, 5-pin MP 150, 25'	\$194.94
18823	Extension Cable, 6-pin MP 150, 5'	\$71.42
18756	Extension Cable, 6-pin MP 150, 10'	\$112.78
18824	Extension Cable, 6-pin MP 150, 15'	\$133.48
18825	Extension Cable, 6-pin MP 150, 20'	\$187.95
18826	Extension Cable, 6-pin MP 150, 25'	\$196.44
19774	ISOBUS Extension Cable, 6-pin MP 150, 5'	\$222.88
19775	ISOBUS Extension Cable, 6-pin MP 150, 10'	\$244.45
19776	ISOBUS Extension Cable, 6-pin MP 150, 20'	\$287.48
19777	ISOBUS Extension Cable, 6-pin MP 150, 30'	\$330.63
19778	ISOBUS Extension Cable, 6-pin MP 150, 40'	\$373.80
13220	Extension Cable, 10-pin MP 150, 5'	\$149.74
13221	Extension Cable, 10-pin MP 150, 10'	\$178.82
13222	Extension Cable, 10-pin MP 150, 15'	\$204.47
13223	Extension Cable, 10-pin MP150, 20'	\$244.92
13224	Extension Cable, 10-pin MP 150, 25'	\$288.59
17095	Extension Cable, 10-pin MP 150, 30'	\$341.13
17096	Extension Cable, 10-pin MP 150, 40'	\$409.84
17269	Extension Cable, 10-pin MP 150, 45'	\$450.21
14142	Extension Cable, 10-pin MP 150, 50'	\$532.49

Extension Cables, cont.

14363	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5'	\$158.47
14316	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10'	\$234.97
14317	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15'	\$282.48
14364	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20'	\$347.02
14365	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25'	\$408.04
14419	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 50'	\$700.53

MP (Metri-Pack) 150/480 Extension Cables

14146	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 5'	\$204.55
14147	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 10'	\$295.95
14103	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 15'	\$382.76
14236	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 20'	\$465.18
14237	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 25'	\$542.65
17415	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 50'	\$959.65
18830	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 5'	\$167.47
18831	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 10'	\$218.00
18832	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 15'	\$255.49
18833	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 20'	\$299.71
18834	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 25'	\$343.66
18835	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 50'	\$563.80

MP (Metri-Pack) 280 Extension Cables

17445	Extension Cable, 2-pin MP 280, 10'	\$129.26
17446	Extension Cable, 2-pin MP 280, 20'	\$203.09
18288	Extension Cable, 2-pin MP 280, 5'	\$92.26
18289	Extension Cable, 2-pin MP 280, 15'	\$166.26
18290	Extension Cable, 2-pin MP 280, 25'	\$240.10

MP (Metri-Pack) 480 Extension Cables

18827	Extension Cable, 2-Pin MP 480, 5'	\$148.04
18828	Extension Cable, 2-Pin MP 480, 10'	\$169.10
18436 A	Extension Cable, 2-pin MP 480, 15'	\$184.76
18421 A	Extension Cable, 2-pin MP 480, 20'	\$227.00
18829	Extension Cable, 2-Pin MP 480, 25'	\$228.67
19745	Extension Cable, M/P 480 2-Pin, 30'	\$249.25
19347	Extension Cable, 2-pin MP 480, 40'	\$374.77
19348	Extension Cable, 2-pin MP 480, 50'	\$402.99

GT Series Extension Cables

19313 A	Extension Cable, 16-pin GT, 5'	\$197.59
19314 A	Extension Cable, 16-pin GT, 10'	\$299.75
19315 A	Extension Cable, 16-pin GT, 15'	\$402.22
19316 A	Extension Cable, 16-pin GT, 20'	\$508.73
19317 A	Extension Cable, 16-pin GT, 30'	\$713.37
19318 A	Extension Cable, 16-pin GT, 40'	\$917.89
19319 A	Extension Cable, 16-pin GT, 50'	\$1,122.54

Amphenol Extension Cables for SafeGuard™ Sensors

19694 B	Extension Cable, 6-pin Amphenol twisted pair, 2.5'	\$78.86
19616 B	Extension Cable, 6-pin Amphenol twisted pair, 5'	\$97.42
19617 B	Extension Cable, 6-pin Amphenol twisted pair, 10'	\$132.98
19618 B	Extension Cable, 6-pin Amphenol twisted pair, 15'	\$169.30
19619 B	Extension Cable, 6-pin Amphenol twisted pair, 20'	\$205.64
19620 B	Extension Cable, 6-pin Amphenol twisted pair, 25'	\$241.97
19621 B	Extension Cable, 6-pin Amphenol twisted pair, 30'	\$278.32

JWPF Extension Cables for SafeGuard™ Sensors (pre-2017)

18525	Extension Cable, 6-pin MP150, w/ twisted pair, 15'	\$153.06
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Connector Replacement Kits

10262	Round Connector Replacement Kit, 2-pin, w/ both halves and pins	\$38.74
11829	Connector Replacement Kit, 2-pin WP, w/ both halves, pins and seals	\$34.26
10523	Connector Replacement Kit, 3-pin WP, w/ both halves, pins and seals	\$39.62
11154	Connector Replacement Kit, 6-pin WP, w/ both halves, pins and seals	\$71.00
13231	Connector Replacement Kit, 2-pin MP, w/ both halves, pins and seals	\$43.72

18654	Connector Replacement Kit, 2-Pin MP 480, w/ both halves, pins and seals _____	\$49.19
18722	Connector Replacement Kit, 2-Pin MP 280, w/ both halves, pins and seals _____	\$30.08
13232	Connector Replacement Kit, 3-pin MP 150, w/ both halves, pins and seals _____	\$49.15
13759	Connector Replacement Kit, 3-pin MP 630, w/ both halves, pins and seals _____	\$60.12
13233	Connector Replacement Kit, 4-pin MP, w/ both halves, pins and seals _____	\$53.11
14808	Connector Replacement Kit, 5-pin MP, w/ both halves, pins and seals _____	\$37.15
13234	Connector Replacement Kit, 6-pin MP, w/ both halves, pins, seals _____	\$50.01
14684	Connector Replacement Kit, 7-pin MP, w/ both halves, pins and seals _____	\$54.78
13235	Connector Replacement Kit, 10-pin MP, w/ both halves, pins and seals _____	\$79.50
19693 A	Connector Replacement Kit, 6-pin Amphenol, w/ SafeGuard™ Sensor _____	\$56.32
13369	Connector Replacement Kit, 15-pin, MT-3000, (harness half ONLY, pins and strain relief) _____	\$50.08

Dust Covers

11400	Tower Dust Cover, 2-pin WP, male _____	\$14.08
11401	Shroud Dust Cover, 2-pin WP, female _____	\$14.08
18111	Shroud, w/ jumper wire, 2-Pin WP, female _____	\$15.99
10445	Shroud Dust Cover, 3-pin WP, female _____	\$17.11
10447	Tower Dust Cover, 3-pin WP, male _____	\$17.11
10451	Shroud Dust Cover, w/ jumper wire, 3-pin WP, female _____	\$18.95
11034	Tower Dust Cover, 6-pin WP, male _____	\$23.11
11035	Shroud Dust Cover, 6-pin WP, female _____	\$23.34
13104	Tower Dust Cover, 2-pin MP, male _____	\$11.55
13105	Shroud Dust Cover, 2-pin MP, female _____	\$11.55
13100	Shroud Dust Cover, w/ jumper wire, 3-pin MP, female _____	\$17.28
13106	Tower Dust Cover, 3-pin MP, male _____	\$17.28
13107	Shroud Dust Cover, 3-pin MP, female _____	\$17.28
13110	Tower Dust Cover, 6-pin MP, male _____	\$25.65
13111	Shroud Dust Cover, 6-pin MP, female _____	\$25.65
14108	Tower Dust Cover, 7-pin MP, male _____	\$35.82
14109	Shroud Dust Cover, 7-pin MP, female _____	\$35.82
13112	Tower Dust Cover, 10-pin MP, male _____	\$26.52
13113	Shroud Dust Cover, 10-pin MP, female _____	\$26.52
19824	Shroud Dust Cover, 2-pin MP 480, female _____	\$27.23
19825	Tower Dust Cover, 2-pin MP 480, male _____	\$23.18
19823	Tower Dust Cover, 16-pin GT, male _____	\$36.80
19703	Shroud Dust Cover, 16-pin GT, female _____	\$22.68
19688	Tower Dust Cover, 6-pin Amphenol, male _____	\$18.79
19689	Shroud Dust Cover, 6-pin Amphenol, female _____	\$12.75



REPLACEMENT PARTS

CALC-AN-ACRE™ II

17176 Harness, power, speed, RPM, run/hold, Calc-An-Acre™ II _____ \$217.63

SHAFT-TRAK™

14473 C Branch Harness, Shaft-Trak™, 6 sensor _____ \$426.81

SODPRO™ II

17077 Power Harness, speed, run/hold _____ \$195.71

FLOW TRAK™ II

17194 Power Harness, flow, speed, run/hold, Flow-Trak™ II _____ \$268.06

FLOWMATE™

18155 B Power Cable, 2-pin WP, 10' _____ \$49.32

11837 Dual Lock Fastener Kit, (4 sets of 1" X 1") _____ \$23.76 NET

MANUAL CONTROLLERS

17985 A Power Cable, 2-pin molex, 10 Amp fuse, 10' _____ \$74.91

17986 Motor Cable, MC-10, 2-pin molex to WP, 20' _____ \$68.36

14728 Pressure Gauge Bracket, MC-10, narrow console, (gauge not included) _____ \$54.00

17444 Power Cable, 2-pin MP280, 25 Amp fuse, 10' _____ \$154.54

17871 Power Cable, 2-pin MP 280, w/ 40 Amp fuse, old style 40 Amp EMD, 20' _____ \$269.00

17447 Motor Cable, 2-pin MP280, 15' _____ \$141.14

17448 Motor Cable, 2-pin MP280, 20' _____ \$178.13

17449 Motor Cable, 2-pin MP280, 25' _____ \$215.14

17450 Motor Cable, 2-pin MP280, 30' _____ \$252.12

14799 Pressure Gauge Bracket for MC-25, (gauge not included) _____ \$40.00

18982 Power Cable, w/ 5A fuse kit, 10' _____ \$57.46

18985 Pressure Gauge Bracket, MC-10, (Deep Back, No Gauge) _____ \$72.56

FLO-PRO™

19834 Branch Harness, 10' _____ \$349.69

19835 Power Cable, 10' _____ \$83.66

SAFEGUARD™ BLOCKAGE MONITOR

Miscellaneous Sensor Parts

18510 C U-clip, SS _____ \$2.45

18521 O-ring, FKM (Viton® type) _____ \$10.00

18963 O-ring, orifice plate _____ \$1.91

18514 Cartridge Retainer Clip _____ \$4.22

18653 SafeGuard™ Sensor Mounting Spacer _____ \$4.55

18721 SafeGuard™ Sensor Bracket _____ \$13.05

21993 Cartridge Range Extender _____ \$19.57

02011 Magnet Bar Mount, ISOmod™ _____ \$49.21

Console to Hitch Cable Options

19624 B Adapter, 6-pin, M/P150 to Amphenol twisted pair, 15' _____ \$153.05

19676 A Adapter, 6-pin, M/P150 to Amphenol twisted pair, 25' _____ \$222.99

Terminators

19681 A Terminator, 6-pin, Amphenol tower _____ \$32.88

19682 A Terminator, 6-pin, Amphenol shroud _____ \$23.26

Pre-2017 Sensor Adapter Cables

19837 A Adapter Cable, pre-2017 sensors, JWPF Tower to Amphenol Shroud _____ \$19.00 NET

19838 A Adapter Cable, pre-2017 sensors, JWPF Shroud to Amphenol Tower _____ \$19.00 NET

Pre-2017 SafeGuard™ Parts

18667 Dust Cover, 6-pin RCPTCL _____ \$12.75

MT-2405 F™ II SERIES

13757	Branch Harness, speed, run/hold, MT-2405 F™ II and FTW II, 10'	\$243.69
13758	Branch Harness, boom, power, servo, MT-2405 F™ II and FTW II, 10'	\$209.18

SPRAYMATE™ II

14311	Main Harness, NH3, SprayMate™ & SprayMate™ II, 10'	\$212.24
14313 F	Harness, flow, control, boom, WPT-PGS, SprayMate™ II	\$324.54
14314	Ignition Cable, 72"	\$45.14
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
17158	Ball Valve Adapter Cable, 3-boom 2-wire, RoadMaster™ & SprayMate II™	\$603.53
17782	Auto Section Cable, SprayMate II™	\$403.00
17786	Multi Section Adapter Cable, SprayMate II™, NH3, 10'	\$240.20
17844	Multi-Section Branch Harness, NH3	\$276.09
18034	Adapter Cable, EMD enable for SprayMate™ II (enable signal when all sections are off)	\$120.66
18267	Relay, 50A 12v SPST, SprayMate™ II fertilizer kit	\$78.43
18777	Harness Adapter Cable, SprayMate™ Plus Console to SprayMate™ II	\$105.32
19749	Section Relay Module Enable	\$94.38
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
21779	Power Switch Assembly for consoles	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™	\$196.79

SPRAYMATE™ PLUS

14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
18280	Harness, flow, control, boom, WPS-PGS, SprayMate™ Plus	\$340.43
18532 A	Harness, flow, control, boom, WPT-PGS, SprayMate™ Plus	\$340.43
18777	Harness Adapter Cable, SprayMate™ Plus Console to SprayMate™ II	\$105.32
19507	Pressure Sensor Extension Cable, 50'	\$225.41
19508	Pressure Sensor Extension Cable, 25'	\$132.00
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
21779	Power Switch Assembly for consoles	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™	\$196.79

RATEKING™ PLUS & RATEKING™ DUAL PLUS

18802 A	Power Cable, 15 Amp fuse, 15'	\$362.37
18872	Section Branch Harness, 3 section, WPT-PGS, 10'	\$261.77
18819	Section Branch Harness, 5 section, WPT-PGS, 10'	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10'	\$343.27
18675 B	Control Branch Harness, RateKing™, 10'	\$396.19
18676 B	Control Branch Harness, RateKing™ Dual Plus Channel 2, 10' Dual Plus Channel 2 Harness	\$293.12
18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18754	Single Pressure Sensor Cable, Plus Series, 15'	\$105.06
18755	Dual Pressure Sensor Cable, Plus Series, 15'	\$185.93
19507	Pressure Sensor Extension Cable, 50'	\$225.41
19508	Pressure Sensor Extension Cable, 25'	\$132.00
19978 A	Cable, RateKing™ Plus to Raven Console	\$754.84
19979 A	Cable, RateKing™ Dual Plus to Raven Console	\$959.94

DUAL ISOMOD™ RATE CONTROLLER

02011	Magnet Bar Mount, ISOMod™	\$49.21
19170	Power Fuse Holder Kit, 30A	\$73.93
19295	Power Cable, 2-pin MP 480, 30'	\$237.74
19604 A	Bulkhead Harness, Dual ISOMod™, 2'	\$736.74
19605 A	Branch Harness, Dual ISOMod™, Channel 1, 10'	\$345.44
19606 A	Branch Harness, Dual ISOMod™, Channel 2, 10'	\$347.00
19669	Branch Harness, Dual ISOMod™, 6 section, 10'	\$349.00
19670	Branch Harness, Dual ISOMod™, 12 section WPT-PGS, 10'	\$631.00

ISOBUS TAP CABLE PARTS

18896 B	ISOBUS Tap Cable, 4-pin Delphi MP 630, Great Plains/Dickey JOHN®	\$269.00
18944	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DTM	\$269.00
18945	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DT	\$361.00
18950	Tap Cable (in-cab) Kit, w/ power adapter, Deutsch DT	\$361.00
18967	Terminator Cable, w/TBC Plug, Deutsch DT	\$211.21
18968	Terminator Cable, w/TBC Plug, Deutsch DTM	\$235.00

SPRAYMATE™ XRS - ORCHARD/VINEYARD RATE CONTROLLER

19958 A	Control Branch Harness, SprayMate™ XRS, 15'	\$579.87
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60

RATEKING™ XRS - ORCHARD/VINEYARD RATE CONTROLLER

19883	Tractor Harness, RateKing™ XRS, 5'	\$433.89
19882	Trailer Branch Harness, RateKing™ XRS, 15'	\$1040.90
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60

ROADMASTER™ & MT-400™ SERIES

17158	Ball Valve Adapter Cable, 3-boom 2-wire, RoadMaster™ & SprayMate II™	\$603.53
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
18098	Calibration Lockout Key, set of two, RoadMaster™, SprayMate™ Plus	\$4.91
14313 F	Harness, flow, control, boom, WPT-PGS, SprayMate™ II	\$324.54
14314	Ignition Cable, 72"	\$45.14
14463	*In-Line Servo Valve Adapter Cable, (MT-400™ with S)	\$42.59
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
21779	Power Switch Assembly for consoles	\$122.18
17523	Remote RoadMaster™ Blast, Run/Hold Cable, w/ mini-din connector	\$76.72
01744	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ 3-pin MP connector (current)	\$260.00
17560	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ circular connector (old style)	\$260.00

GSC-1000™

14983	Harness Branch, servo, flow, RPM	\$293.99
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60
14536	Molded Shaft Adapter Kit, w/ 10 magnets	\$81.95
14471	RPM Sensor Kit, RPM sensor, w/ molded shaft adapter, 6 magnets	\$137.24
21779	Power Switch Assembly for consoles	\$122.18
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™	\$196.79

PROPLANT™

Console

17339	Section Harness, power, 15'	\$340.15
17360	Harness, flow, servo, run/hold, 15'	\$253.84

Harness Kit Parts - Single Drive MOUNTED

17358	Section Harness, 1 section, 20'	\$80.00
17359	Harness, flow, servo, run/hold, 1 section, 20'	\$235.90

Harness Kit Parts - Single Drive DRAWN

17358	Section Harness, 1 section, 20'	\$80.00
17359	Harness, flow, servo, run/hold, 1 section, 20'	\$235.90

Harness Kit Parts - Multiple Drive MOUNTED

17307	Section Branch Harness, 1-3 sections, 20'	\$208.34
17308 B	Section Branch Harness, flow with servo/RH, 1-3 sections	\$348.12

Harness Kit Parts - Multiple Drive DRAWN

17307	Section Branch Harness, 1-3 sections, 20'	\$208.34
17308 B	Section Branch Harness, flow with servo/RH, 1-3 sections	\$348.12
17318	Motor Assembly, w/ cross port plug	\$1,735.68

DRILLMASTER™**Console**

14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15'	\$153.60
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
21779	Power Switch Assembly for consoles	\$122.18

Harness Kit for MOUNTED Single-Drive parts list

17894	Mounted Branch Harness, DrillMaster™	\$283.99
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Harness Kit for DRAWN Two-Drive parts list

13112	Tower Dust Cover, 10-pin MP, male	\$26.52
17096	Extension Cable, 10-pin MP 150, 40'	\$409.84
17883	PWM Run/Hold Cable, DrillMaster™	\$126.54
18026	Drawn Left/Right Branch Harness, 2-Section, DrillMaster™	\$184.14
21612 B	Multi Section Module, DrillMaster™	\$620.52

Harness Kit for DRAWN Three-Drive parts list

17096	Extension Cable, 10-pin MP 150, 40'	\$409.84
17881	Right or Left Section Branch Harness, DrillMaster™	\$269.12
17882	Center Section Branch Harness, DrillMaster™	\$176.06
17883	PWM Run/Hold Cable, DrillMaster™	\$126.54
21612 B	Multi Section Module, DrillMaster™	\$620.52

Planter Drive Kit Parts List

17321 C	Motor Bracket	\$291.83
17351	Toolbar U-Bolt, 7"	\$26.12
17394	Sprocket, #40, 32 Tooth, 3/4" Split	\$252.78
17388	Sprocket, #40, 32 Tooth, 7/8" Split	\$252.78
17558	Sprocket, #50, 28 Tooth, 3/4" Hex Split	\$340.63
17557	Sprocket, #50, 28 Tooth, 7/8" Hex Split	\$340.63
17556	Sprocket, 50-16 x 40-16 drive	\$141.90
17395	Bolt/Fastener Kit, hydraulic drive assembly	\$34.15
17396	Drive Chain Kit, #40, 10'	\$88.00
17554	Drive Chain Kit, #50, 10'	\$150.43
17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets)	\$2,436.00
17922	RPM Sensor Kit, proximity or gear tooth sensor, w/ 6" cable, mounting bracket	\$268.10
18005	Primary Drive Fittings Kit	\$343.82
17398	Secondary Drive Fittings Kit	\$70.48
18006	Hydraulic Control Valve Remote Mount Bracket	\$67.73
18348	Poppet Valve Assembly	\$207.61

HYDRAULIC DRIVE PARTS

17320 A	Toolbar Bracket	\$348.75
17321 C	Motor Bracket	\$291.83
17351	Toolbar U-Bolt, 7"	\$26.12
17395	Bolt/Fastener Kit, hydraulic drive assembly	\$34.15
17396	Drive Chain Kit, #40, 10'	\$88.00
17554	Drive Chain Kit, #50, 10'	\$150.43
17398	Secondary Drive Fittings Kit	\$70.48
17399	Primary Drive Fittings Kit	\$396.96
17922	RPM Sensor Kit, proximity or gear tooth sensor, w/ 6" cable, mounting bracket	\$268.10
17917 B	^Proximity Sensor, w/ 6" lead	\$290.00
17556	Sprocket, 50-16 x 40-16 drive	\$141.90
17322	Sprocket, Idler #40, 32 x 16	\$415.11
17323	Sprocket, Idler #40, 16 x 16	\$155.80
17555	Sprocket, Idler #50, 32 x 16	\$500.42
17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets)	\$2,436.00
17394	Sprocket, #40, 32 Tooth, 3/4" Split	\$252.78
17388	Sprocket, #40, 32 Tooth, 7/8" Split	\$252.78
17558	Sprocket, #50, 28 Tooth, 3/4" Hex Split	\$340.63
17557	Sprocket, #50, 28 Tooth, 7/8" Hex Split	\$340.63
18031	^Hydraulic Motor Cross Port Plug (replaces shutoff valve on motor for PWM control)	\$101.03

*NCNR

Planting & Seeding Controllers, cont.

18348	Poppet Valve Assembly _____	\$207.61
15909 A	^Hydraulic Motor Seal Kit _____	\$236.44
17370	ProPlant™ Variable Rate Token, green _____	\$252.78

MT-NH3™

13620	Power Cable, 2-pin MP, MT-NH3™, 10' _____	\$57.12
13348	Pin, Quick Release Switchbox, SS _____	\$38.51
17858	Suction Cup Mounting Kit for Console _____	\$188.00
18767	Adapter Cable, power/master switch, MT-NH3™ _____	\$84.62
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™ _____	\$196.79
21779	Power Switch Assembly for consoles _____	\$122.18

NH3 APPLICATION REPLACEMENT PARTS

11191	Strainer Screen, NH3, #20, SS _____	\$56.13
11192	Strainer Gasket, NH3, Teflon _____	\$11.51
14231	Valve, A-400-B Hydro Relief 1' _____	\$101.88
14851	Strainer Plug, w/ Alnico magnet, NH3 _____	\$109.23
16466 A	Servo Regulator, WP _____	\$275.85
16467 A	Servo Regulator, Deutsch _____	\$275.85
17696	Seal Kit for SAFi NH3 Valve, (Velan) _____	\$460.84
17741	SAFi Cover O-ring, (New Style) _____	\$8.32
17913	Strainer Gasket, NH3500, NH3, 1", teflon _____	\$75.23
17914	Strainer Screen, Liquifier NH3, 1.25", #20, SS _____	\$75.23
17915	Strainer Gasket, Liquifier NH3, 1.25", teflon _____	\$97.85
15875 A	Adapter Cable, Deutsch to W/P _____	\$59.72
17972 A	^KZValve® NH3 Shutoff Valve, 1" _____	\$1,500.91
17973 A	^Seal Kit for KZValve®, NH3, 1" _____	\$98.51
18183	Heat Exchanger, Liquifier, Liquifier Max , 1 1/2" MPT _____	\$2,776.42
18186	^Shutoff Valve, Liquifier Max, NH3, 1 1/2" _____	\$1,785.19
18201	Pipe, Y-Adapt. Dual Liquif. #3 _____	\$2,445.26
18302	Strainer, w/ magnet assembly, NH3, 1 1/2" _____	\$427.80
18459	^KZ Shutoff Valve Actuator, NH3, 1", 1 1/2" _____	\$860.83
18775	^KZ Servo Valve Actuator, NH3, 1", 1 1/2" _____	\$938.38
20365	Strainer Assembly, NH3500 _____	\$366.90
18287	Cable, 3-pin WPS to WPS adapter, (converts a WP output from a tower to a shroud) _____	\$50.55
10899	FM750 SS for NH3, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____	\$1,165.08
19101 B	Servo Valve, NH3, Liquifier Junior, ultra low rate, 3/4" x 1" _____	\$1,613.00
19102 B	Servo Valve, NH3, NH3500, 3/4" x 1" _____	\$1,593.00
19103 B	Servo Valve, NH3, Liquifier Junior, 1" x 1" _____	\$1,561.00
18185	^Servo Valve, NH3, Liquifier Max, 1 1/2" _____	\$1,785.19
18187 A	^Servo Valve, NH3, Liquifier, 1" _____	\$1,505.94
18465	Heat Exchanger, Liquifier Junior, ultra low rate _____	\$2,776.40
18555	Heat Exchanger, Liquifier Junior _____	\$2,776.40
21691 A	^KZValve®, 1", body only _____	\$630.00
13273	Plumbing Panel Harness, NH3, (current controllers), 7' _____	\$529.75
10233	Steel Vapor Tube, 1/2" x 1' _____	\$68.02
11008	Vapor Tubing Elbow, 3/8" FPT x 3/8" _____	\$31.25
11009	Vapor Tubing Elbow, 3/4" MPT x 3/8" _____	\$32.22
11022	Nipple, 1/8" x 1 1/2", SS _____	\$27.08
11023	Bushing, 1/4" x 1/8", SS _____	\$21.07
11024	Vapor Tubing, 3/4" EVA, 25' _____	\$320.63
11025	Vapor Tubing, 1/2" EVA, 25' _____	\$233.47
11040	Accessory Kit, NH3500 _____	\$198.43
12828	Plug, 1/8", (Low Rate Kit) _____	\$29.00
13348	Pin, Quick Release Switchbox, SS _____	\$38.51
13504	Adapter Cable, in-line M-T servo valve, 1' _____	\$106.86
13620	Power Cable, 2-pin MP, MT-NH3™, 10' _____	\$57.12
14232	Hose Barb, 1/4" x 3/8" orifice, (3/32) _____	\$16.14
17892	Low Rate Conversion Kit, NH3500 _____	\$457.48

NH3 Application Replacement Parts, cont.

17995	Bracket, NH3500, Low Rate Support	\$69.95
18000	Nipple, 3/4" X Close blk schedule 40	\$8.12
18001	Nipple, 3/4" X 12" blk schedule 40	\$40.48
18003	Coupling 1" x 3/4", (Low Rate Kit)	\$22.17
18004	Hose, NH3, 1" x 3', (Low Rate Kit)	\$533.59
18014	Nipple, 3/4" X 2" blk schedule 40	\$8.62
18188	Hose Barb, 1/4" x 3/8" orifice, (3/64)	\$16.14
18221	Elbow, 3/4" MPT x 3/8", nylon	\$11.11
18222	Elbow, 1/4" x 1/4", nylon	\$11.11
19609	Liquifier Junior Upgrade Kit	\$76.75
20290	Strainer Assembly	\$408.00
20486	Tubing, NH3500, 3/8" EVA	\$3.78

DIRECTCONNECT™ PARTS

Topcon X20, X15, X10 w/30S ECU Parts

17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17584	Adapter Cable, NH3, 1 section, 1'	\$205.60
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17608	Adapter Cable, w/o power, Topcon 30S ECU to MT Liquid/NH3, 10'	\$587.23

Topcon ASC-10 ECU Parts

18324	Main Branch Harness for Topcon	\$712.12
18325	Harness, speed/flow with servo/pressure, Topcon	\$369.72
18326	DirectConnect™ Harness, 1-6 sections	\$376.26
18327	DirectConnect™ Harness, 7-10 sections	\$331.88

John Deere® GS2 Parts

16466 A	Servo Regulator, WP	\$275.85
16467 A	Servo Regulator, Deutsch	\$275.85
17962	Control Harness, Liquid/NH3, 7 section, GS2,3 10'	\$1003.00
18456	DirectConnect™ Main Harness for GreenStar™ Rate Controller	\$509.00
18458	DirectConnect™ Master/Relief/Agitation Cable for GreenStar™ Rate Controller, liquid/NH3	\$272.00
18457 A	DirectConnect™ Control/Flow for GreenStar™ Rate Controller, 1 section	\$340.00
18326	DirectConnect™ Harness, 1-6 sections	\$376.26
18327	DirectConnect™ Harness, 7-10 sections	\$331.88
01592	^Servo Valve Signal Chopper, (REQUIRED with Micro-Trak servo valve)	\$273.00
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17584	Adapter Cable, NH3, 1 section, 1'	\$205.60
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17643	Adapter Cable, w/o power, Greenstar™ to MT Liquid/NH3, 10'	\$549.48
17924	Adapter Cable, GS2, 16-pin to 37-pin CPC	\$373.64

Trimble® EZ Boom® 2010 Parts

17582	Adapter Cable, w/ power, Raven / Trimble® EZ Boom® 2010 to MT, 10'	\$639.47
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17584	Adapter Cable, NH3, 1 section, 1'	\$205.60
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17627	DirectConnect™ Harness Kit for Trimble® EZ Boom™ 2010, liquid, 1-7 section	\$1,137.00
18330	Branch Cable, Trimble®	\$357.77

Trimble® Field IQ™ Parts

18328	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1 section, liquid/NH3, 7'	\$449.00
18349	DirectConnect™ Trimble® Field IQ™ Harness Kit, liquid, 1-6 sections, 7'	\$764.00
18350	*DirectConnect™ Trimble® Field IQ™, Harness Kit, liquid, 1-12 sections, 7'	\$980.00
19713	Master Valve Cable, Trimble® Field IQ™, 7'	\$154.96
19721	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1-6 sections, NH3, 7'	\$906.00
19722	*DirectConnect™ Harness Kit for Trimble® Field IQ™, 1-12 section, NH3, 7'	\$1,117.00
18329	Main Branch Harness, Trimble®, 1 section	\$624.32

Raven 440/450 Parts

17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17582	Adapter Cable, w/ power, Raven / Trimble® EZ Boom® 2010 to MT, 10'	\$639.47
17584	Adapter Cable, NH3, 1 section, 1'	\$205.60
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37

Ag Leader® INSIGHT DirectCommand™ Parts

17599	Multi Section Boom Master Module, Deutsch connectors, 1-10 sections	\$544.76
17941	Branch Cable, AgLeader® DirectCommand™ to NH3	\$732.88
17942	Adapter Cable, AgLeader® DirectCommand™ to Single Section	\$44.24
17943	Multi-Section Boom Master Module, AgLeader® DirectCommand™	\$373.00
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17857	Adapter Cable, w/o power, AgLeader® DirectCommand™ to MT Liquid, 10'	\$680.10
18264	Servo Branch Harness, AgLeader® Direct Command™ Flow	\$245.12
18265	7-Boom Branch Harness, AgLeader® Direct Command™ Flow	\$305.45

SPEED AND RUN/HOLD PARTS**Current (LR, II & Plus models)**

17917 B	^Proximity Sensor, w/ 6" lead	\$290.00
13096 B	Speed/Flow Sensor, Hall-effect w/ MP shroud, 5'	\$139.69
14536	Molded Shaft Adapter Kit, w/ 10 magnets	\$81.95
14793	Bulkhead Console Run/Hold Adapter Cable	\$104.73
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85
18530 A	Magnet Mount for Implement Whisker Switch	\$136.32
14519	Run/Hold Foot Switch, w/ cable	\$315.32
13226 A	Run/Hold Sensor Cable, 5'	\$100.60
21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™	\$196.79
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
10013	Mount Bracket for speed and run/hold sensor	\$17.82
10080	Magnet Clip	\$11.75
12069	Magnet Kit, 6 magnets	\$19.25

MISCELLANEOUS

12853	Weatherproof Fuse Holder w/o fuse	\$30.25
12910	Plastic Tie Kit, 14", (bag of 10)	\$13.42
12911	Hex Nut for Speed and Run/Hold Sensor, 3/8", (bag of 3)	\$7.74
12912	Magnet Kit, w/ tape (6 magnets)	\$29.98
13251	Hardware Bag	\$14.22
13270	Terminal Kit, w/ weatherproof fuse holder	\$98.97
14012	WeatherPak Fuse Holder, w/ leads, w/o fuse	\$44.79

REPLACEMENT FLOWMETERS**Turbine Flowmeters**

22032	FM250 P, .08 to 1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$668.00
13269	FM500, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$520.00
11501	FM750 GFN, 2-40 GPM, 150 PSI, 3/4" FPT, & Hastelloy	\$520.00
10131	FM750 SS, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$957.00
13752	FM750 SS, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$957.00
17887 D	FM750 GFN LF, .5-12 GPM, 150 PSI, 3/4" FPT, & Hastelloy	\$648.00
18599 A	FM750 LF SS, 1 - 9 gpm, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,084.00
13187	FM1000 SS, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1039.00
14286-P A	FM270 P, 3.5-70 GPM, 225 PSI, M200 flange, PP, SS, & Hastelloy	\$555.00
18781-P B	FM270 P LF, .5-15 GPM, 225 PSI, M200 flange, PP, SS, & Hastelloy	\$614.00
14829-P A	FM10/100 P, 10-100 GPM, 225 PSI, M200 flange, SS, PP & Hastelloy	\$592.00
14348 E	FM1500 SS LF, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,435.00
14348-P B	FM1500 P SS LF, 3.5-70 GPM (13-265 lpm) 500 PSI (35 Bar)	\$1,073.00
12274	FM1500 SS, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,314.30
12274-P A	FM1500 P SS, 10-130 GPM (40-500 lpm) 500 PSI (35 Bar)	\$1032.00
18078	^FM2000 P, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,590.00
18229	^FM3000 P, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,089.00
10899	FM750 SS for NH3, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,165.08
19797 A	FM750 LF SS for NH3, 1 - 9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,308.88
19798	FM1500 SS for NH3, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,737.50
19799 A	FM1500 SS LF for NH3, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,808.31

Replacement Flowmeters, cont.

Electromagnetic Flowmeters

18893	^MM2, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18448	^MM3, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18449	^MM5, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18450	^MM13, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18451	^MM26, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,165.72
18452	^MM53, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,165.72
18453	^MM106, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,165.72
19828	^MM106FL, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,165.72
18454	^MM158, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,165.72
18177	^MM238, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,637.91
16161 A	^MM528, 26.5 to 528 GPM, 145 PSI, 3" MPT, PP & SS	\$1,637.90

Micro-Trak Flowmeter Parts

FM500

20182	FM500 Rotor, PP, w/ Nivapoint Shaft	\$120.67
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FM750 GFN LF

13783	O-Ring, quad for FM750 GFN & FM750 GFN LF	\$13.17
18996	O-Ring, FM750 GFN LF insert	\$2.11
17884 A	FM750 GFN LF Insert	\$67.73
17885	Turbine for FM750 LF, FM270 LF and FM1500 LF	\$93.66
16132 A	FM750 GFN LF Housing Half, w/ bearing, (one half of flowmeter)	\$325.00

FM750 GFN

13783	O-Ring, quad for FM750 GFN & FM750 GFN LF	\$13.17
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
16131 A	FM750 GFN Housing Half, w/ bearing, (one half of flowmeter)	\$267.00

FM750 SS

10137	Gasket, teflon, FM750 SS & N and FM1000 SS	\$10.29
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
11277	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$105.57
13753	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$109.35
17144	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25
17147	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25

FM750 SS NH3

10137	Gasket, teflon, FM750 SS & N and FM1000 SS	\$10.29
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
19795	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS NH3, w/ turbine	\$320.60

FM1000 SS

10137	Gasket, teflon, FM750 SS & N and FM1000 SS	\$10.29
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
11277	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$105.57
13753	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$109.35
17144	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25
17147	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25

FM1000 NH3

10137	Gasket, teflon, FM750 SS & N and FM1000 SS	\$10.29
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
19795	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS NH3, w/ turbine	\$320.60

FM1500

14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
15894 A	Bearing Assembly Rebuild Kit for Poly Bearing Housing w/bearing for FM270, FM10/100, FM1500	\$196.82
11277	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$105.57
13753	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$109.35
17144	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25
17147	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25

Replacement Flowmeters, cont.

FM1500 NH3

14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
16068 A	Bearing Assembly Kit for Poly Bearing Housing w/bearing for FM1500 PA, w/o turbine, for NH3	\$362.22
16165 A	Rebuild Kit for FM1500 PA, w/ turbine, for NH3	\$380.04
19813	Bearing Assembly Rebuild Kit w/ ruby balls for FM1500 SS NH3, w/ turbine	\$326.96

FM270 LF

15894 A	Bearing Assembly Rebuild Kit for Poly Bearing Housing w/bearing for FM270, FM10/100, FM1500	\$196.82
17885	Turbine for FM750 LF, FM270 LF and FM1500 LF	\$93.66
17302	Bearing Assembly Rebuild Kit w/ ruby balls for FM270 and FM10/100/ w/ turbine	\$176.83
19059	Flange Gasket and Clamp Kit, 2", (2 ea.)	\$55.82

FM270

14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
15894 A	Bearing Assembly Rebuild Kit for Poly Bearing Housing w/bearing for FM270, FM10/100, FM1500	\$196.82
17302	Bearing Assembly Rebuild Kit w/ ruby balls for FM270 and FM10/100/ w/ turbine	\$176.83
19059	Flange Gasket and Clamp Kit, 2", (2 ea.)	\$55.82

FM10/100

14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
15894 A	Bearing Assembly Rebuild Kit for Poly Bearing Housing w/bearing for FM270, FM10/100, FM1500	\$196.82
17302	Bearing Assembly Rebuild Kit w/ ruby balls for FM270 and FM10/100/ w/ turbine	\$176.83
19059	Flange Gasket and Clamp Kit, 2", (2 ea.)	\$55.82

Other Parts

13434 A	^VRS Interface Module	\$285.19
19770	Adapter Kit, 2" full port Banjo flange, for mag. fl. kits 01826, 01827	\$40.74
19771	Adapter Kit, 2" STD port Banjo flange, for mag. fl. kit 01901,01821,01822,01823,01824,01825	\$47.54

Polmac Flowmeter Parts

11259-01	^Polmac FM2000P & 3" Sensor, green	\$391.34
11259-02	^Polmac Seeger Ring #48, 2"	\$21.11
11259-03	^Polmac Tunnel, 2"	\$73.00
11259-04	^Polmac Shaft Holder, 2"	\$16.90
11259-05	^Polmac Turbine Shaft, 2"	\$18.29
11259-06	^Polmac Seeger Ring #10, 2"	\$18.29
11259-07	^Polmac Flowmeter Rotor Bearing, 2"	\$92.88
11259-08	^Polmac Flowmeter Spacer Washer, 2"	\$19.70
11259-09	^Polmac SS Turbine, 2"	\$519.32
11259-10	^Polmac Flowmeter Housing, 2"	\$410.45
11259-11	^Polmac Rotor Shaft, ceramic	\$92.88
11259-12	^Polmac Rotor Bushing, ceramic	\$33.19
11259-13	^Polmac Rotor Support, ceramic	\$187.18
11259-14	^Polmac Rotor Support, nylon	\$15.48
11259-15	^Polmac Flow Sensor, sq. wave, yellow	\$292.80
12414-01	^Polmac Rotor Repair Kit, ceramic, 3"	\$520.78
12414-02	^Polmac Flow Sensor, sinusoidal, 3", green	\$416.54
12414-03	^Polmac Flowmeter Turbine, 3"	\$1,259.60
12414-04	Flowmeter Rotor Shaft, ceramic, 3'	\$92.88

FLOW SENSOR CABLES

13096 B	Speed/Flow Sensor, Hall-effect w/ MP shroud, 5'	\$139.69
14689 C	Flow Sensor, Hall-effect, 3-pin WP	\$136.96
17392 A	Speed/Flow Sensor, Hall-effect w/ MP shroud, 1'	\$107.59
18076	Speed/Flow Sensor, Hall-effect w/ Cannon connector, Hiniker	\$150.73
17965	Reed Flow Sensor for FM750 GFN Flowmeter (P/N 11501)	\$90.06
18205	Flow Sensor for FM2000 and FM3000 polmac flowmeters	\$530.21
19425 A	Flow Sensor Cable, FM250 P, 1' w/3-Pin M/P Shroud	\$345.94
18105	Adapter Cable for old style polmac square wave sensor, MP shroud, 3'	\$198.88
20268	Adapter Cable for old style polmac analog sensor, WP shroud, 3'	\$198.88
17827 A	Adapter Cable for electro-magnetic flowmeter, w/ divide by 8 interface	\$224.39
17842	Adapter Cable for electro-magnetic flowmeter w/o divide by 8 interface	\$100.16

Replacement Flowmeters, cont.

16004 B	Adapter Cable, electro-magnetic flowmeter to Raven interface cable, 10'	\$258.61
16005 A	Adapter Cable, electro-magnetic flowmeter to John Deere® interface cable, 10'	\$110.47
16006 A	Adapter Cable, electro-magnetic flowmeter to TeeJet® interface cable, 10'	\$131.11
01756	Flow Sensor Kit for Honeywell flow sensor	\$579.33

FLOW CONTROL (SERVOS, CONTROL VALVES & PARTS, EMD)

19059	Flange Gasket and Clamp Kit, 2", (2 ea.)	\$55.82
19104 B	Liquid Servo Valve Replacement Powerhead (Viton), 2016-current	\$427.00
19503 B	Liquid Servo Valve Replacement Powerhead, aqueous ammonia w/EPDM o-rings, 2016-current	\$427.00
19505 A	NH3 Servo Valve Replacement Powerhead, 2016-current	\$570.00
19811	NH3 Servo Valve Replacement Powerhead, retrofit 2005 model	\$570.00

EMD Parts

18104 C	Electric Motor Driver Module, 10 Amp PWM	\$409.81
18072 B	Electric Motor Driver Module, 10 Amp STD	\$409.81
18924 B	Electric Motor Driver Module, 10-Amp PWM w/ enable	\$413.91
18137	Power Cable, 3-pin WP, 10 Amp fuse, 20'	\$150.93
18941	Motor Lead, 2-pin WP, 4'	\$40.12
14501	Motor Lead Extension Cable, 2-pin WP, 10 Amp EMD, 5'	\$78.00
18385	Electric Motor Driver Module, 40 Amp PWM CE^{UK}	\$848.99
18384	Electric Motor Driver Module, 40 Amp STD CE^{UK}	\$848.99
18925	Electric Motor Driver Module, 40-Amp PWM w/ enable CE^{UK}	\$855.27
19023	Electric Motor Driver Module, 40-Amp STD, Anderson (Not for standard Micro-Trak systems)	\$945.36
19024	Electric Motor Driver Module, 40-Amp PWM, Anderson (Not for standard Micro-Trak systems)	\$945.36
18419 A	Power Cable, 2-pin MP 480 Power, 20' w/ 40 Amp fuse	\$257.34
18420	Motor Lead, 2-pin MP 480, 4'	\$75.83
17539	Adapter Cable, MT servo to PWM valve	\$47.81
17279	Adapter Cable, EMD enable	\$27.16
19731	Adapter Cable, 2-pin PWM, control signal reversal adapter	\$31.55
17871	Power Cable, 2-pin MP 280, w/ 40 Amp fuse, old style 40 Amp EMD, 20'	\$269.00
17872	Motor Lead, 2-pin MP 280, old style 40 Amp EMD, 4'	\$72.72
19087	Relay Module, single relay	\$279.69
18990 C	Relay Module, dual relays	\$383.02
18034	Adapter Cable, EMD enable for SprayMate™ II (enable signal when all sections are off)	\$120.66
01725	EMD Enable Kit for MT-3405™ series (enable signal when all sections are off)	\$595.00

ASTRO™ SERIES GPS SPEED SENSORS - OTHER MAKES & MODELS

Astro™ II GPS Speed Sensors (1 Hz)

01413	Astro™ II, w/ 4-pin Dickey JOHN®/AMP	\$557.00
01414	Astro™ II, w/ 4-pin Dickey JOHN®/Packard	\$557.00
01415	Astro™ II, w/ 3-pin Raven/Conxall	\$557.00
01416	Astro™ II, w/ 4-pin Magnavox/Phillips/Packard	\$557.00
01417	Astro™ II, w/ 3-pin Spraying Systems #844/Deutsch	\$557.00
01419	Astro™ II, w/ 3-pin Spraying Systems #855/Deutsch (round shell)	\$557.00
01420	Astro™ II, w/ 3-pin Hiniker/Cannon	\$609.00
01847	Astro™ II, w/ 3-pin Amp Superseal (HARDI)	\$557.00

Astro™ 5 GPS Speed Sensors (5 Hz)

01428	Astro™ 5, w/ 4-pin Dickey JOHN®/AMP	\$744.00
01429	Astro™ 5, w/ 4-pin Dickey JOHN®/Packard	\$744.00
01430	Astro™ 5, w/ 3-pin Raven/Conxall	\$744.00
01431	Astro™ 5, w/ 4-pin Magnavox, Phillips/Packard	\$744.00
01432	Astro™ 5, w/ 3-pin Spraying Systems #844/Deutsch	\$744.00
01433	Astro™ 5, w/ 3-pin Spraying Systems #855/Deutsch (round shell)	\$744.00
01435	Astro™ 5, w/ 3-pin Hiniker/Cannon	\$793.00
01848	Astro™ 5, w/ 3-pin Amp Superseal, (HARDI)	\$744.00

SPEED ADAPTER CABLES

Astro™ Adapter Cables

14324	Adapter Cable, bulkhead console speed, 3' _____	\$69.88
17338	Astro™ Adapter, 3-pin MP to MT-3000/5000 3-pin WP _____	\$89.03
17433	Astro™ Adapter, 4-pin AMP to 3-pin MP _____	\$282.56
17536	Astro™ Adapter, 3-pin WP to 3-Pin MP _____	\$57.68
18279	Astro™ Adapter, 3-pin MP to Raven/Dickey JOHN®/Amp Y-cable _____	\$166.94
18602	Astro™ Adapter, 3-pin MP to 3-pin MP/Dickey JOHN®/AMP Y-cable _____	\$166.94
19906	Adapter, 3-pin MP to Raven/Conxall (Astro™/radar speed to Raven, MT console to Raven Fast Valve), 7" _____	\$96.00

Radar Adapter Cables

14810	Radar Adapter for in-cab John Deere® MP 150 connector _____	\$77.00
14811	Radar Adapter for in-cab John Deere® MP 150 connector w/ Y-cable _____	\$90.00
14812	Radar Adapter for Dickey JOHN®/AMP connector w/ Y-cable _____	\$160.00
14813	Radar Adapter for Dickey JOHN®/Cannon connector w/ Y-cable _____	\$160.00
14814	Radar Adapter for Dickey JOHN®/Deutsch connector w/ Y-cable _____	\$160.00
14815	Radar Adapter for Dickey JOHN®/Packard connector w/ Y-cable _____	\$160.00
14816	Radar Adapter for Dickey JOHN®/Ford connector w/ Y-cable _____	\$160.00
14817	Radar Adapter for Raven/Conxall connector w/ Y-cable _____	\$160.00
19906	Adapter, 3-pin MP to Raven/Conxall (Astro™/radar speed to Raven, MT console to Raven Fast Valve), 7" _____	\$96.00
14818	Radar Adapter for Magnavox/Phillips/Packard connector w/ Y-cable _____	\$160.00
14926	Radar Adapter, 4-pin DJ to 3-pin MPS (Vansco®) _____	\$90.00
17811	Radar Adapter for in-cab John Deere® 30 Series 7-pin Amp _____	\$160.00
18041	Radar Adapter for in-cab John Deere® 1-pin MP280 _____	\$34.00
18319	Radar Adapter for in-cab Case IH® MX (Britax) _____	\$160.00
18774	Radar Adapter for in-cab Case IH® FMX _____	\$160.00

RADAR INTERFACE CABLES

Radar Interface Cables - Adapts Signal for Older Controllers ("Divide by 8")

14214	Radar Interface for in-cab John Deere® MP 150 connector _____	\$135.00
14215	Radar Interface for Dickey JOHN®/AMP connector _____	\$202.00
14216	*Radar Interface for Dickey JOHN®/Cannon connector _____	\$202.00
14217	Radar Interface for Dickey JOHN®/Deutsch connector _____	\$202.00
14218	Radar Interface for Dickey JOHN®/Ford connector _____	\$202.00
14219	Radar Interface for Dickey JOHN®/Packard connector _____	\$202.00
14220	Radar Interface for Magnavox, Phillips/Packard connector _____	\$202.00
14221	Radar Interface for Raven/Conxall connector _____	\$202.00
14222	Radar Interface for in-cab John Deere® MP 150 connector with y-cable _____	\$202.00
17880	Radar Interface for in-cab John Deere® 30 Series 7-pin Amp for LR products _____	\$209.87

Radar Y-Cables (For use with P/N 12758 Interface Modules)

11527	Y-Cable for Dickey JOHN®/AMP radar, 1' _____	\$389.39
11529	Y-Cable for Magnavox, Phillips radars, 1' _____	\$181.16
11693	Y-Cable for Dickey JOHN®/Packard radar, 1' _____	\$251.94
12095	Y-Cable for Raven radar, 1' _____	\$282.94
12689	*Y-Cable for Dickey JOHN®/Ford radar, 1' _____	\$221.85
12798	*Y-Cable for Dickey JOHN®/Deutsch radar, 1' _____	\$313.13

Radar Interface Adapter Cables (For use with P/N 12758 Interface Modules)

11461	Radar Module Adapter Cable, (84C, FT 84C, FT 96C, 86S, YT 85) _____	\$54.67
12817	USIM Wire Assembly, 2-pin, 5' _____	\$24.69
12953	Adapter Cable for in-cab John Deere® 8000 & 9000 Series, 1.5' _____	\$84.00
17789	Adapter Cable for in-cab John Deere® 30 Series, 7-pin Amp _____	\$160.00

Radar Power Cables

11528	Power Cable for Dickey JOHN®/AMP radar, 6' _____	\$147.86
11530	Power Cable for Magnavox, Phillips radars, 6' _____	\$144.36
12690	*Power Cable for Dickey JOHN®/Ford radar, 6' _____	\$145.74
12800	Power Cable for Dickey JOHN®/Deutsch radar, 6' _____	\$144.33

Vansco® Radar Parts and Adapter Cables

14019 B	Radar Interface Cable, 4-pin DJ to 3-pin MP, Vansco® _____	\$137.00
14025	Radar Interface Cable, 4-pin DJ to 3-pin WP, Vansco® _____	\$135.00
14026	*4-pin DJ Amp to Dickey JOHN®/Cannon connector, 1' _____	\$182.00

Speed, Radar & Adapter Cables, cont.

14027	4-pin DJ Amp to Dickey JOHN®/Packard connector, 1' _____	\$182.00
14028	*4-pin DJ Amp to Dickey JOHN®/Deutsch connector, 1' _____	\$182.00
14029	4-pin DJ Amp to Magnavox/Packard connector, 1' _____	\$182.00
14030	4-pin DJ Amp to Raven/Conxall connector, 1' _____	\$182.00
14031	*4-pin DJ Amp to Spraying Systems/Deutsch connector, 1' _____	\$182.00
14039	4-pin DJ Amp to Dickey JOHN®/Ford connector, 1' _____	\$182.00
14380	Cable for John Deere® Performance Center (7000, 8000, 9000, Track Series), 1' _____	\$182.00
17389	Radar Mount Kit (new style), Vansco® _____	\$62.76

RAVEN ADAPTER CABLES

14611 C	Adapter Cable, Raven flowmeter interface to MT, w/ 5V regulator, 18" _____ 3-Pin Female Conxall to 3-Pin M/P 150 Shroud	\$275.38
18664	Adapter Cable, Raven flowmeter interface to MT, no regulator, 18" _____ 3-Pin Female Conxall to 3-Pin M/P 150 Shroud	\$153.87
17528	Adapter Cable, Raven servo valve (old style) to MT, 8" _____ 3-Pin W/P 120 Tower to 2-Pin Molded Male	\$52.69
17324	Adapter Cable, MT servo to Raven (old style), 1' _____ 3-Pin W/P Shroud to 2-Pin Molded Male	\$71.00
17325	Adapter Cable, MT flow/speed sensor w/ 3 pin MP to Raven/Conxall, 1' _____ 3-Pin Male Conxall to 3-Pin M/P 150 Tower	\$114.00
19905	Adapter Cable, MT to Raven NH3 fast valve, 7" _____ 4-Pin Conxall Multi-Connection Socket to 3-Pin W/P Tower and 3-Pin W/P Shroud	\$288.79
19906	Adapter, 3-pin MP to Raven/Conxall (Astro™/radar speed to Raven, MT console to Raven Fast Valve), 7" _____ 3-Pin Female Conxall to 3-Pin M/P 150 Shroud	\$96.00
19907	Adapter Cable, MT to Raven NH3 fast valve AND Raven NH3 shut-off, 7" _____ 4-Pin Conxall Multi-Connection Socket to 3-Pin W/P 120 Shroud and 4-Pin Conxall Multi-Connection Socket to 3-Pin W/P 120 Tower	\$434.94
16002 A	Adapter Cable, MT control valve to Raven, 9" _____	\$146.79
16003 A	Adapter Cable, MT on/off KZValve® to Raven, 9" _____	\$149.84
17442 C	MT Hall-effect flow/speed sensor to Raven, 9" _____ 3-Pin Male Conxall to Hall-Effect Sensor	\$166.73
16088 A	Adapter Cable, MT to Raven shutoff _____	\$202.13
16153 A	Adapter Cable, Dual ISOMod™ to Raven 440, w/CPC conn. _____	\$1,136.04
16399 A	Adapter Cable, MT DirectConnect™, 37-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18" _____	\$707.24
16425 A	Adapter Cable, MT DirectConnect™, 16-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18" _____	\$660.30
16008 A	Adapter Cable, SprayMate™ Plus to Raven CR7 _____	\$265.08
19922 A	Adapter Cable, CPC female connector, SprayMate™ Plus to Raven 440, 10' _____	\$276.57
15861 A	Adapter Cable, CPC male (old style) connector, SprayMate™ Plus to Raven 440, 10' _____	\$271.15

MISCELLANEOUS ADAPTER CABLES

14793	Bulkhead Console Run/Hold Adapter Cable _____	\$104.73
17108	Adapter Cable, Rawson/Mid-Tech flow sensor, 1' _____	\$51.29
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD _____	\$36.65
16151 A	Implement Push Button Switch Cable, 10' _____	\$79.69
19088	Adapter Cable, PWM hydraulic control, 3-Pin WP tower to 2-Pin Deutsch DT06-2S, 6" _____	\$59.73
19897	Adapter Cable, PWM hydraulic control, 3-Pin WP tower to 2-Pin Deutsch DT06-2S, 10' _____	\$72.01
17539	Adapter Cable, MT servo to PWM valve _____	\$47.81
17934	Adapter Cable, servo polarity reversal _____	\$37.69
18287	Cable, 3-pin WPS to WPS adapter, (converts a WP output from a tower to a shroud) _____	\$50.55
18851	Adapter Cable, TeeJet® flow sensor (adapts a Teejet® flow sensor to MT flow input) _____	\$83.72
17846	*Adapter Cable, hydraulic poppet, 3-pin WPS to 2-pin MP tower _____	\$34.32
19016	Adapter Cable, 3-pin WPS section to 2-pin WPT solenoid _____	\$38.61
14778	Adapter Cable, 3-pin MPS, pins A & C to flying leads generic run/hold adapter, 30' _____	\$73.00
19731	Adapter Cable, 2-pin PWM, control signal reversal adapter _____	\$31.55
19952	M12 Adapter Cable, WPS-PGS _____	\$145.45
19954	M12 Adapter Cable, MPS-PGS _____	\$142.77
15854 A	Adapter Cable, 4-wire control valve _____	\$94.37
15855 A	Adapter Cable Kit, 4-wire control valve (w/14315C power cable) _____	\$205.12

FLOWMETER KITS WITH FLOW SENSOR THAT CONNECTS TO RAVEN

01980	FM270 LF Flowmeter Kit, .5-15 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy _____	\$1040.00
01980-P A	FM270 LF Flowmeter Kit, .5-15 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy _____	\$729.00
01577 A	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy _____	\$966.40
01577-P A	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy _____	\$679.00
01578 A	FM10/100 Kit, 10-100 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy _____	\$966.40
01578-P A	FM10/100 Kit, 10-100 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy _____	\$702.00
02028	FM1500 SS Flowmeter Kit, NH3, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & nylon & Hastelloy _____	\$1,424.00
02029	FM1500 SS LF Flowmeter Kit, NH3, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & nylon & Hastelloy _____	\$1,491.00

SERVO VALVES WITH RAVEN CONNECTIVITY

16129 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1" butterfly, Raven, 2 pin molded _____	\$660.00
16130 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1 1/2" butterfly, Raven, 2 pin molded _____	\$660.00
16148 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1" butterfly, Deutsch, 2 pin molded _____	\$660.00
16149 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1 1/2" butterfly, Deutsch, 2 pin molded _____	\$660.00

Y CABLES

17501	Y Cable, 2 Pin MP 280, 1 Shroud & 2 towers, 20', (25 Amp MC dual motor) _____	\$128.95
18422	Y Cable, 2 Pin MP 480, 1 Shroud & 2 towers, 2', (40 Amp EMD dual motor) _____	\$139.00
13872	Y Cable, 3 Pin MP 150, 1 Tower & 2 shrouds, 12", (1 - speed signal in & 2 - out) _____	\$196.67
18048	Y Cable, 3 Pin MP 150, 1 Shroud & 2 towers, 12", (2 - R/H switches in & 1 - out) _____	\$104.91
16031 A	Y Cable, 2 Pin MP 150, 1 Shroud & 2 towers, 10', (7-section RateKing™ parallel boom) _____	\$87.19

CONSOLE MOUNT KITS AND PARTS

10049	Console Mount Bracket, 82A - 84C size consoles _____	\$14.62
10050	Console Mount Washer, 82A, 84C size consoles _____	\$3.31
10051	Console Mount Knob, 82A - 84C size consoles _____	\$6.39
12888	Console Mount Knob, any black plastic consoles _____	\$7.52
12889	Console Mount Washer, any black plastic consoles _____	\$3.11
13181	Console Mount Kit, any black plastic consoles _____	\$36.74
10423	Console Mount Knob, RateKing™ or aluminum consoles measuring 8 - 11/16" _____	\$11.02
10470	Console Mount Washer, RateKing™ or aluminum consoles measuring 8 - 11/16" _____	\$5.99
13629 B	Console Mount Bracket, RateKing™ or aluminum consoles measuring 8 - 11/16" _____	\$25.32
13774	Console Mount Kit, LARGE or aluminum consoles measuring 8 - 11/16" _____	\$79.56
13254	Console Mount Kit, MT-9000™ series _____	\$70.12
19960 A	Console Quick Mount kit, SprayMate™ XRS or any black plastic consoles _____	\$110.84

CONSOLES AND ISOMODS™

17185 A	Calc-An-Acre™ II Console _____	\$503.00
14966 J	SodPro™ II Console _____	\$817.00
14914 F	Shaft-Trak™ Console (low RPM) _____	\$686.00
14381	Shaft-Trak™ Console (standard) _____	\$686.00
18473	SafeGuard™ Console _____	\$1,194.00
17186 A	Flow-Trak™ II Console _____	\$910.00
19836 B	Flo-Pro™ Console _____	\$1,224.00
17996	MC-10 Manual Controller only, 10 amp _____	\$289.00
17997	MC-25 Manual Controller only, 25 amp _____	\$597.00
14935	MT-2405™ II Console _____	\$840.00
17546 P	RoadMaster™ Console (PWM control) _____	\$2,059.00
17514 R	RoadMaster™ Console (standard control) _____	\$2,059.00
14869 P	SprayMate™ II Console _____	\$1049.00
18700 C	SprayMate™ Plus Console _____	\$1,573.00
19884 C	RateKing™ XRS Console _____	\$2,779.00
19955 D	SprayMate™ XRS Console _____	\$1,966.00
18715 A	RateKing™ Plus Console, 3 section _____	\$1,899.00
18701 B	RateKing™ Plus Console, 5 section _____	\$1,899.00
18716 C	RateKing™ Plus Console, 7 section _____	\$2,236.00
18717 A	RateKing™ Dual Plus Console, 3 section _____	\$3,267.00

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Replacement Consoles & ISOmods, cont.

18702 A	RateKing™ Dual Plus Console, 5 section	\$3,267.00
18718 A	RateKing™ Dual Plus Console, 7 section	\$3,775.00
17011 L	GSC-1000™ Console, PWM control	\$1,615.00
17010 M	GSC-1000™ Console, STD control	\$1,615.00
14956 B	MT-NH3™ II Console	\$1,530.00
17766	Trak-Record II Console	\$1015.62
01375	*Whirlwind™ Console Kit	\$1,106.00
17289 J	ProPlant™ Console	\$1,979.00
18797 C	SafeGuard™ ISOmod™ Module	\$931.21
19667 A	Dual ISOmod™ Module	\$2,237.00
17899 G	DrillMaster™ Console	\$1,437.00
18154 A	FlowMate™ Console	\$498.00

SYSTEM MANUALS & INSTRUCTION SHEETS (NET PRICE ONLY)

10154	System Manual, Calc-An-Acre™ 84C	\$15.99 NET
17192	System Manual, Calc-An-Acre™ II	\$15.99 NET
13184	System Manual, Calc-An-Acre™ LR	\$15.99 NET
12813	System Manual, Flow-Trak™ FT84C, FT96C	\$15.99 NET
17193	System Manual, Flow-Trak™ II	\$15.99 NET
12245	System Manual, MT-3000™	\$15.99 NET
14904	System Manual, MT-2405 F™ II, (NH3 Specific)	\$15.99 NET
13773	System Manual, MT-3405 F™	\$15.99 NET
17020	System Manual, MT-3405™ FTW II	\$15.99 NET
14946	System Manual, MT-3405 F™ II, (NH3 Specific)	\$15.99 NET
18080	System Manual, Twin Pump™ Controller	\$16.00 NET
13255	System Manual, MT-9000™	\$15.99 NET
13797	System Manual, MT-9000™, (NH3 Specific)	\$15.99 NET
17545	System Manual, RoadMaster™, PWM	\$15.99 NET
17544	System Manual, RoadMaster™, STD	\$15.99 NET
14943	System Manual, SprayMate™ II	\$15.99 NET
18770 A	System Manual, SprayMate™ Plus, (2014 to current)	\$16.00 NET
18209	System Manual, SprayMate™ Plus, (prior to 2014)	\$16.00 NET
19862	System Manual, RateKing™ XRS	\$15.99 NET
19959 A	System Manual, SprayMate™ XRS	\$15.69 NET
18836 B	System Manual, RateKing™ Dual Plus	\$15.69 NET
18844	System Manual, SafeGuard™ ISOmod™	\$16.00 NET
18864 A	System Manual, RateKing™ Plus	\$16.00 NET
19603 B	System Manual, Dual ISOmod™	\$16.00 NET
17040	System Manual, GSC-1000™	\$15.99 NET
14955	System Manual, MT-NH3™ II	\$15.99 NET
13604	System Manual, MT-NH3™	\$15.99 NET
17767	System Manual, Trak-Record II	\$15.99 NET
14479	System Manual, Whirlwind™	\$15.99 NET
19830	System Manual, Flo-Pro™	\$15.99 NET
17329 A	System Manual, ProPlant™	\$16.00 NET
17037	System Manual, SodPro™ II	\$15.99 NET
50052 A	Instruction Sheet, 7 section Parallel Boom Cable	\$8.94 NET
50318	System Manual, DrillMaster™	\$15.99 NET
50173	Safety Manual, NH3	\$15.99 NET
50346	Instruction Sheet, FlowMate™	\$8.94 NET
50332	Instruction Sheet, MC-10 Manual Controller	\$8.94 NET
50236	Instruction Sheet, MC-25 Manual Controller	\$8.94 NET
50271	Instruction Sheet, MT-3407 F™ II	\$8.94 NET
50209	Instruction Sheet, Shaft-Trak™	\$8.94 NET
50268	Instruction Sheet, Vansco® Radar	\$8.94 NET
50279	Instruction Sheet, Raven 440/450 NH3 DirectConnect™	\$8.94 NET
50291	Instruction Sheet, Raven 440/450 Liquid DirectConnect™	\$8.94 NET
50314	Instruction Sheet, Ag Leader® Insight Liquid DirectConnect™	\$8.94 NET

Speed, Radar & Adapter Cables, cont.

50328	Instruction Sheet, Ag Leader® Insight NH3 DirectConnect™	\$8.94 NET
50355	Instruction Sheet, Starter Fertilizer Pump Relay kit	\$8.94 NET
50360	Instruction Sheet, Trimble® Field-IQ™ Liquid & NH3 DirectConnect™	\$8.94 NET
50362	Instruction Sheet, 40A PWM EMD	\$8.94 NET
50368	Instruction Sheet, John Deere® GreenStar™ Liquid & NH3 DirectConnect™	\$8.94 NET
50371	System Manual, SafeGuard™ Console	\$8.94 NET
50374	Instruction Sheet, 8 GPM PWM Hydraulic Valve	\$8.94 NET
50377	Instruction Sheet, NH3500™ Low Rate Conversion kit	\$8.94 NET
50380	Instruction Sheet, Shaft-Trak™ Low RPM	\$8.94 NET
50382	Instruction Sheet, 15 GPM PWM Hydraulic Valve	\$8.94 NET
50383	Instruction Sheet, MC-10 w/Power Output	\$8.94 NET
50384 A	Instruction Sheet, 10A PWM EMD w/Enable	\$8.94 NET
50385	Instruction Sheet, 40A PWM EMD w/Enable	\$8.94 NET
50393	Instruction Sheet, Liquifier Jr. Upgrade kit	\$8.94 NET
50397	Instruction Sheet, ISMod™ Power Switch Module kit	\$8.94 NET
50400	Instruction Sheet, ISMod™ Magnet Mount kit	\$8.94 NET
50402	Instruction Sheet, Liquifier Max Vapor Fitting Install	\$8.94 NET
50404	Instruction Sheet, NH3 Servo Valve Gear Head Replacement	\$8.94 NET
50406 B	Instruction Sheet, SprayMate™ Plus to Raven 440 Adapter, w/CPC female connector	\$8.76 NET
50414 A	Instruction Sheet, SprayMate™ Plus™ to Raven 440 Adapter, w/CPC male (old style)	\$8.94 NET
50415 A	Instruction Sheet, Magnetic Flowmeter	\$8.94 NET
50421 A	Instruction Sheet, 25 GPM PWM Hydraulic Valve	\$8.94 NET

DIAGNOSTIC AND SERVICE TOOLS (NET PRICE ONLY)

13521	Crimping Tool, WP	\$232.02 NET
13522	Crimping Tool Kit, MP	\$303.46 NET
13523	Terminal Removal Tool, WP	\$19.68 NET
13524	Terminal Removal Tool, MP	\$19.68 NET
01462	Speed/Flow Simulator	\$211.00 NET
16200 A	ISMod™ Programming Cable Kit, M/P 150	\$94.00 NET
16199 A	ISMod™ Adapter Cable , M/P 3-pin to DB9, 7"	\$93.13 NET
19951	Adapter Cable, USB to RS232	\$111.61 NET

DISCONTINUED MONITORS AND CONTROLLERS

MT-3000™ and MT-5000™

10474	Compression Fitting Kit	\$49.08
11305	Hold/Cutout Module, MT-3000™, MT-5000™	\$219.02
11311	M-T Servo Valve Cable, w/ boost wire, 5'	\$85.50
10415	MT-3000™ Main Wiring Harness, liquid, 12'	\$529.82
11039	NH3 Main Harness (MT-3000)	\$437.35
11037	Plumbing Panel Harness (MT-3000, MT-5000, TN-7000), 3'	\$135.69
10485	Pressure Tubing Extension Kit, 15'	\$64.76
11203	Snubber Washer Kit, w/o-ring	\$22.48
10419 A	Solenoid Cable (MT-3000), 3'	\$51.15

Calc-An-Acre™ - Models 82A & 84C

10073	Power Cable (82A), 8'	\$66.58
10085	Extension Cable for speed and run/hold (82A, 84C), 20'	\$113.59

Flow-Trak™ - Models 84C - 96C

10085	Extension Cable for speed and run/hold (82A, 84C), 20'	\$113.59
10195	Extension Cable for flow sensor (FT 84C, FT 96C), 20'	\$113.56

MT-3400™ Series

14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
17436	Boom Branch Harness, MT-3405 F™ II, 10'	\$259.19
17419	Boom Branch Harness, MT-3407 F™ II, 10'	\$274.68
13115	Boom Shutoff/Relief Cable, 5'	\$43.85
17159 A	Bulkhead Console 5-boom 2-wire Ball Valve Adapter Cable	\$869.85
14319	Bulkhead Console Boom Branch Harness, 10'	\$296.28
14320	Bulkhead Console Flow, Servo, Run/Hold Harness, 10'	\$206.60

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Discontinued System Parts, cont.

14318	Bulkhead Console Power Boom Harness, 10'	\$540.41
14793	Bulkhead Console Run/Hold Adapter Cable	\$104.73
17148	Branch Harness, channel 2 liquid, MT-3405 D™, 10'	\$280.68
17184	Channel 2 Liquid Harness, MT-3405 D™	\$438.00
01725	EMD Enable Kit for MT-3405™ series (enable signal when all sections are off)	\$595.00
13116	Flow, Speed, Servo, Boom Harness, MT-3400™ 5'	\$315.39
13088	*LR1 Run/Hold, Boom, Boost Harness, MT-3400™ 5'	\$326.50
13083	Flow, Run/Hold, Servo Boom Harness, MT-3405 F™ & FTW, (pigtail version), 5'	\$252.67
13762	Boom, Boost Relief Harness, MT-3405 F™, (pigtail version), 5'	\$156.36
13763	Boom, Speed Harness, MT-3405 F™, (pigtail version), 5'	\$176.74
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
14366	Main Harness, NH3, MT-3405™ F & F II & MT-9000 with bulkhead connection, 10'	\$411.88
13276	Main Harness, NH3, MT-3405™ F & MT-9000, (pigtail version), 10'	\$309.51
17316	Parallel Boom Harness Kit, MT-3405 D™	\$1,311.00
17420 A	Servo, Flow, Boom Branch Harness, MT-3407 F™ II, 10'	\$222.95
01725	EMD Enable Kit for MT-3405™ series (enable signal when all sections are off)	\$595.00
13115	Boom Shutoff/Relief Cable, 5'	\$43.85
14318	Bulkhead Console Power Boom Harness, 10'	\$540.41
14319	Bulkhead Console Boom Branch Harness, 10'	\$296.28
14320	Bulkhead Console Flow, Servo, Run/Hold Harness, 10'	\$206.60
14793	Bulkhead Console Run/Hold Adapter Cable	\$104.73
17148	Branch Harness, channel 2 liquid, MT-3405 D™, 10'	\$280.68
17159 A	Bulkhead Console 5-boom 2-wire Ball Valve Adapter Cable	\$869.85
17184	Channel 2 Liquid Harness, MT-3405 D™	\$438.00
17316	Parallel Boom Harness Kit, MT-3405 D™	\$1,311.00
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
17436	Boom Branch Harness, MT-3405 F™ II, 10'	\$259.19
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
18413	Boom Y cable, MT-3405™ series	\$200.00

Twin Pump™ Controller

14582	Harness, speed/flow with run/hold, 10'	\$157.36
14583	Harness, speed/flow with Run/hold, 30'	\$273.69
14584	Boom Branch Harness, 10'	\$284.66
14585	Boom Branch Harness, 30'	\$525.18
14588	Cable, 16 Ga 5-pin MP Ext., 15'	\$243.52
14589	Cable, 12 Ga 2-conductor WP Ext, 15'	\$126.70
14600	Power/Module Cable , 5-pin MP, Whirlwind™, 20'	\$268.06
14607	Cable, local speed	\$196.94
18018	Cable, pump, 10'	\$89.06
18019	Cable, pump, 30'	\$199.35

MT-9000™

13115	Boom Shutoff/Relief Cable, 5'	\$43.85
17159 A	Bulkhead Console 5-boom 2-wire Ball Valve Adapter Cable	\$869.85
14319	Bulkhead Console Boom Branch Harness, 10'	\$296.28
14320	Bulkhead Console Flow, Servo, Run/Hold Harness, 10'	\$206.60
14318	Bulkhead Console Power Boom Harness, 10'	\$540.41
13083	Flow, Run/Hold, Servo Boom Harness, MT-3405 F™ & FTW, (pigtail version), 5'	\$252.67
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
14366	Main Harness, NH3, MT-3405™ F & F II & MT-9000 with bulkhead connection, 10'	\$411.88
13256	Pressure Sensor, w/ cable, liquid and NH3, 250 PSI (17 Bar), 5'	\$829.80
13084	Pressure, Boom, Boost Harness, (Pigtail version), 5'	\$305.12
13085	Return Flow, Speed, Boom Harness, (Pigtail version), 5'	\$276.52

Trak Record II

17771	Power Cable	\$56.86
17787	^USB Flash Drive, 128meg	\$79.55 NET
01619	Trak-Record II, (if GPS coordinates desired requires 01437 Astro™ 5)	\$916.00

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DISCONTINUED PARTS

Discontinued System Parts, cont.

Whirlwind™

14600	Power/Module Cable , 5-pin MP, Whirlwind™, 20'	\$268.06
14282	Boot for 1" Whirlwind™ sensor	\$25.69
14283	Boot for 1 1/4" Whirlwind™ sensor	\$27.62
14459	*Blockage Module	\$779.36
01376	*Blockage Module Kit, w/ 15' 7-pin extension	\$672.00
01380	*Shaft RPM Module Kit, w/ 15' 7-pin extension	\$599.00
14672	*Shaft Module	\$779.36
14690	Fan Module	\$764.75
14691	*Bin Level Module	\$764.74
01544	Bin Level Sensor Kit, IR type sensor	\$175.00

SPEED AND RUN/HOLD SENSOR PARTS

Model 82A, 84C, 86S style consoles

10074 A	Speed and Run/Hold Sensor Cable, (82A, 84C), 16'	\$123.87
10083	Speed and Run/Hold Sensor Kit, (82A, 84C)	\$154.14
10316	Speed Sensor Cable, (86S), 9'	\$103.07
10075	Hardware Bag, (82A, 84C)	\$15.28

MT-3000™ / MT-5000™

10416	Speed and Run/Hold Sensor Cable, MT-3000/5000, 5'	\$78.45
10514	Magnetic Speed Sensor Kit, MT-3000/5000	\$145.63
13561	Hall-effect Sensor Adapter Cable, MT-3000/5000	\$77.60

Astro™ GPS Speed Sensor for discontinued Micro-Trak Products

01411	Astro™ II, w/ 3-pin WP, MT-3000/5000	\$557.00
01412	Astro™ II, w/ 2-pin round, M-T old style Calc-An-Acre™, Flow-Trak™, Speed-O-Meter	\$563.00
01426	Astro™ 5, w/ 3-pin, MT-3000/5000™ with MP	\$744.00
01427	Astro™ 5, w/ 2-pin round, M-T old style Calc-An-Acre™, Flow-Trak™, Speed-O-Meter	\$750.00

Radar/ Vehicle Interface Modules

For use with 84C, FT 84C, FT 96C, 86S, MT-3000, MT-5000, Trak-Net, ST-424

12758	Radar/GM Interface Module, 3-pin WP connector for speed	\$253.01
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FLOWMETER KITS FOR OLDER FLOW-TRAK™ MODELS FT 84C AND FT 96C AND FLO-PRO™

00105	FM750 SS Flowmeter Kit, 2-40 GPM, 500 PSI, 16' cable, 2-pin Rolco	\$1063.00
00168	FM750 GFN Flowmeter Kit, 2-40 GPM, 150 PSI, 16' cable, 2-pin Rolco	\$967.00
00257	FM750 SS Flowmeter Kit, ceramic bearings, 2-40 GPM, 500 PSI, 16' cable, Rolco	\$1,063.00
00265	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, 16' cable, 2-pin Rolco	\$1014.00
00267	FM10/100 Flowmeter Kit, 10-100 GPM, 225 PSI, 16' cable, 2-pin Rolco	\$1048.00
00195	FM1500 SS Flowmeter Kit, 10-130 GPM, 500 PSI, 16' cable, 2-pin Rolco	\$1,533.00

FLOWMETER KITS FOR MT-3000™ AND MT-5000™

00169	FM750 GFN Flowmeter Kit, 2-40 GPM, 150 PSI, 5' cable, 3-pin WP	\$561.00
00130	FM750 SS Flowmeter Kit, 2-40 GPM, 500 PSI, 5' cable, 3-pin WP	\$971.00
00258	FM750 SS Flowmeter Kit, ceramic bearings, 2-40 GPM, 500 PSI, 5' cable, 3-pin WP	\$971.00
00201	FM1000 SS Flowmeter Kit, 3.5-70 GPM, 500 PSI, 5' cable, 3-pin WP	\$1,068.00
00266	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, 5' cable, 3-pin WP	\$896.00
00197	FM1500 SS Flowmeter Kit, 10-130 GPM, 500 PSI, 5' cable, 3-pin WP	\$1,404.00

FLOW SENSORS

10417	Flow Sensor Cable (MT-3000/5000), 5'	\$100.25
10132	Flow Sensor Cable (FT 84C, FT 96C), 16'	\$119.77



00105	FM750 SS Flowmeter Kit, 2-40 GPM, 500 PSI, 16' cable, 2-pin Rolco	\$1063.00
00130	FM750 SS Flowmeter Kit, 2-40 GPM, 500 PSI, 5' cable, 3-pin WP	\$971.00
00168	FM750 GFN Flowmeter Kit, 2-40 GPM, 150 PSI, 16' cable, 2-pin Rolco	\$967.00
00169	FM750 GFN Flowmeter Kit, 2-40 GPM, 150 PSI, 5' cable, 3-pin WP	\$561.00
00195	FM1500 SS Flowmeter Kit, 10-130 GPM, 500 PSI, 16' cable, 2-pin Rolco	\$1,533.00
00197	FM1500 SS Flowmeter Kit, 10-130 GPM, 500 PSI, 5' cable, 3-pin WP	\$1,404.00
00201	FM1000 SS Flowmeter Kit, 3.5-70 GPM, 500 PSI, 5' cable, 3-pin WP	\$1,068.00
00257	FM750 SS Flowmeter Kit, ceramic bearings, 2-40 GPM, 500 PSI, 16' cable, Rolco	\$1,063.00
00258	FM750 SS Flowmeter Kit, ceramic bearings, 2-40 GPM, 500 PSI, 5' cable, 3-pin WP	\$971.00
00265	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, 16' cable, 2-pin Rolco	\$1014.00
00266	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, 5' cable, 3-pin WP	\$896.00
00267	FM10/100 Flowmeter Kit, 10-100 GPM, 225 PSI, 16' cable, 2-pin Rolco	\$1048.00
01000	Calc-An-Acre™ II Kit, w/ magnetic wheel sensor	\$647.00
01001	Calc-An-Acre™ II Kit, (select speed sensor)	\$559.00
01020	Flow-Trak™ II Kit, w/ FM750 GFN flowmeter and magnetic wheel sensor	\$1,766.00
01021	Flow-Trak™ II Customized Kit, (select speed sensor and flowmeter kits)	\$964.00
01067	MC-10 Manual Controller Kit	\$343.00
01068	MC-25 Manual Controller Kit	\$651.00
01144	MT-NH3™ II Console Kit for NH3, (requires Liquifier Kit)	\$1,613.00
01170	Flow-Trak™ II Kit, w/ FM750 GFN flowmeter, (select speed sensor)	\$1,511.00
01171	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve (select speed sensor)	\$2,113.00
01188	SprayMate™ II Starter Fertilizer Kit, w/ FM500, 40-amp EMD, (select speed sensor)	\$2,522.00
01196	SprayMate™ II Starter Fertilizer Kit, w/ FM750 LF, 40-amp EMD, (select speed sensor)	\$2,648.00
01200	ProPlant™ Single Section Mounted Harness Kit	\$208.00
01201	ProPlant™ Single Section Drawn Harness Kit, w/ 25' extension cable	\$487.00
01202	ProPlant™ Multiple Drive Mounted Harness Kit	\$303.00
01203	ProPlant™ Multiple Drive Drawn Harness Kit, w/ 25' extension cable	\$585.00
01204 A	ProPlant™ Console Kit	\$2,088.00
01209	^Hydraulic Drive Kit, primary, 4.9 CID, #40 3/4"	\$4,206.00
01210	^Hydraulic Drive Kit, secondary, 4.9 CID, #40 3/4"	\$4,206.00
01211	^Hydraulic Drive Kit, primary, 4.9 CID, #40 7/8"	\$4,206.00
01212	^Hydraulic Drive Kit, secondary, 4.9 CID, #40 7/8"	\$4,206.00
01224	MT-2405 F™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, magnetic wheel sensor	\$2,110.00
01226	MT-2405 F™ II Customized Kit, (use with existing section switches)	\$894.00
01323	Shaft-Trak™ Kit, w/o shaft sensor kit	\$740.00
01330	Shaft-Trak™ Kit, w/ 1 shaft sensor	\$824.00
01331	Shaft-Trak™ Kit, w/ 2 shaft sensors	\$945.00
01332	Shaft-Trak™ Kit, w/ 3 shaft sensors	\$995.00
01333	Shaft-Trak™ Kit, w/ 4 shaft sensors	\$1,076.00
01334	Shaft-Trak™ Kit, w/ 5 shaft sensors	\$1,162.00
01335	Shaft-Trak™ Kit, w/ 6 shaft sensors	\$1,242.00
01340	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, magnetic wheel sensor	\$2,370.00
01341	SprayMate™ II Customized Kit, 3 section	\$1,131.00
01349	SprayMate™ Plus Customized Kit, 3 section	\$1,655.00
01352	SprayMate™ Plus Kit, w/ FM750 GFN, 1" servo valve, magnetic speed sensor	\$2,891.00
01375	*Whirlwind™ Console Kit	\$1,106.00
01376	*Blockage Module Kit, w/ 15' 7-pin extension	\$672.00
01380	*Shaft RPM Module Kit, w/ 15' 7-pin extension	\$599.00
01402	GSC-1000™ Customized Kit, STD 12V	\$1,695.00
01403	GSC-1000™ Customized Kit, PWM	\$1,695.00
01404	SodPro II™ Customized Kit, (select speed sensor)	\$871.00
01410	Astro™ II GPS Speed Sensor, 3-pin MP (1 Hz)	\$557.00
01411	Astro™ II, w/ 3-pin WP, MT-3000/5000	\$557.00
01412	Astro™ II, w/ 2-pin round, M-T old style Calc-An-Acre™, Flow-Trak™, Speed-O-Meter	\$563.00
01413	Astro™ II, w/ 4-pin Dickey JOHN®/AMP	\$557.00

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^One year warranty

INDEX BY PART NUMBER

01414	Astro™ II, w/ 4-pin Dickey JOHN®/Packard	\$557.00
01415	Astro™ II, w/ 3-pin Raven/Conxall	\$557.00
01416	Astro™ II, w/ 4-pin Magnavox/Phillips/Packard	\$557.00
01417	Astro™ II, w/ 3-pin Spraying Systems #844/Deutsch	\$557.00
01419	Astro™ II, w/ 3-pin Spraying Systems #855/Deutsch (round shell)	\$557.00
01420	Astro™ II, w/ 3-pin Hiniker/Cannon	\$609.00
01425	Astro™ 5 GPS Speed Sensor, 3-pin MP (5 Hz)	\$744.00
01426	Astro™ 5, w/ 3-pin, MT-3000/5000™ with MP	\$744.00
01427	Astro™ 5, w/ 2-pin round, M-T old style Calc-An-Acre™, Flow-Trak™, Speed-O-Meter	\$750.00
01428	Astro™ 5, w/ 4-pin Dickey JOHN®/AMP	\$744.00
01429	Astro™ 5, w/ 4-pin Dickey JOHN®/Packard	\$744.00
01430	Astro™ 5, w/ 3-pin Raven/Conxall	\$744.00
01431	Astro™ 5, w/ 4-pin Magnavox, Phillips/Packard	\$744.00
01432	Astro™ 5, w/ 3-pin Spraying Systems #844/Deutsch	\$744.00
01433	Astro™ 5, w/ 3-pin Spraying Systems #855/Deutsch (round shell)	\$744.00
01435	Astro™ 5, w/ 3-pin Hiniker/Cannon	\$793.00
01437	Astro™ 5 GPS Speed Sensor, 3-pin MP for Trak-Record II	\$793.00
01462	Speed/Flow Simulator	\$211.00 NET
01463	Shaft-Trak™ Low RPM Kit, w/o sensor kit	\$740.00
01464	Shaft-Trak™ Low RPM Kit, w/ 1 sensor kit	\$824.00
01465	Shaft-Trak™ Low RPM Kit, w/ 2 sensor kits	\$945.00
01466	Shaft-Trak™ Low RPM Kit, w/ 3 sensor kits	\$995.00
01467	Shaft-Trak™ Low RPM Kit, w/ 4 sensor kits	\$1,076.00
01468	Shaft-Trak™ Low RPM Kit, w/ 5 sensor kits	\$1,162.00
01469	Shaft-Trak™ Low RPM Kit, w/ 6 sensor kits	\$1,242.00
01500	FM500 Kit, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$547.00
01501	FM750 GFN Kit, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$547.00
01504	FM750 SS Kit, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$984.00
01505	FM1000 SS Kit, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1,068.00
01506-P A	FM1500 P SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,059.00
01506	FM1500 SS Kit, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,404.00
01507	FM750 SS Kit, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$984.00
01511	^FM2000 P Kit, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic	\$1,618.00
01513	^FM3000 P Kit, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,116.00
01514-P A	FM10/100 P Kit, 10-100 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$619.00
01515-P A	FM270 P Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$597.00
01519-P A	FM1500 P SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,101.00
01519	FM1500 SS LF Kit, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,462.00
01526	^Vansco® Radar Speed Sensor with Gen. II adapter cable	\$1,325.91
01527	^Vansco® Radar Speed Sensor with Gen. I adapter cable	\$1,325.91
01528	^Vansco Radar Speed Sensor with 4-pin AMP connector	\$1,295.44
01530	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 10' extension cable, mounting bracket, 6 magnets	\$263.00
01531	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ 15' extension cable, mounting bracket, 6 magnets	\$284.00
01533	Wheel Speed Sensor Kit, Hall-effect Magnetic, w/ mounting bracket, 6 magnets	\$144.00
01535	Run/Hold Sensor Kit, Hall-effect, w/ 2 mags, 10' extension	\$221.92
01536	*Relay Kit, Flow-Trak™ 97 LR	\$132.12
01539	RPM Sensor Kit, RPM sensor, w/ mounting bracket, 2 magnets	\$149.11
01544	Bin Level Sensor Kit, IR type sensor	\$175.00
01554	RPM Sensor Kit, proximity or gear tooth sensor, w/ 15' extension cable, mounting bracket	\$409.00
01577-P A	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy	\$679.00
01577 A	FM270 Flowmeter Kit, 3.5-70 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy	\$966.40
01578-P A	FM10/100 Kit, 10-100 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy	\$702.00
01578 A	FM10/100 Kit, 10-100 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy	\$966.40
01586	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, 1 section, NH3	\$814.00
01587	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, 5 sections, NH3	\$1,617.00

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01590	RoadMaster™ Customized Kit, STD 12V	\$2,168.00
01591	RoadMaster™ Customized Kit, PWM control	\$2,168.00
01592	^Servo Valve Signal Chopper, (REQUIRED with Micro-Trak servo valve)	\$273.00
01596	DirectConnect™ Harness Kit for Raven 440/450, 1 section, NH3	\$787.00
01597	DirectConnect™ Harness Kit for Raven 440/450, 5 section, NH3	\$1,082.00
01619	Trak-Record II, (if GPS coordinates desired requires 01437 Astro™ 5)	\$916.00
01650	FM750 GFN LF Kit, .5-12 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$675.00
01651	DirectConnect™ Harness Kit for AgLeader® DirectCommand®, liquid	\$532.00
01680	DrillMaster™ Mounted Harness Kit, 1 section, w/ 15' extension cable	\$311.00
01682	DrillMaster™ Console Kit	\$1,519.00
01684	DrillMaster™ Drawn Kit, 3 section, w/ 40' extension cable	\$1,268.00
01685	^4.9 CID #40 DM HYD Drive Kit (P), motor / sensor only	\$2,981.00
01687	FM750 GFN Kit, w/ reed flow sensor, 2-40 GPM, 150 PSI, 3/4" FPT & Hastelloy	\$492.00
01691	DrillMaster™ Drawn Kit, 2 section, w/ 40' extension cable	\$1,138.00
01725	EMD Enable Kit for MT-3405™ series (enable signal when all sections are off)	\$595.00
01739	FlowMate™ Customized Kit, (select flowmeter kit)	\$552.00
01740	FlowMate™ Kit, w/ FM750 GFN LF	\$1,224.00
01741	FlowMate™ Kit, w/ FM750 GFN	\$1,095.00
01744	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ 3-pin MP connector (current)	\$260.00
01745	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 8 GPM, SAE 8 ports, 3000 PSI	\$809.00
01749	MM238 Kit, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS	\$1,512.00
01756	Flow Sensor Kit for Honeywell flow sensor	\$579.33
01757	Electric Motor Driver Kit, STD, 40 Amp	\$895.00
01758	Electric Motor Driver Kit, PWM, 40 Amp 	\$895.00
01772	Liquifier Cooler Retro Kit	\$3,731.00
01775	Liquifier Max Cooler Retro Kit	\$9,347.00
01781	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 5 section	\$509.35
01815	Liquifier Junior Ultra-Low Rate NH3 Kit, 600-2800 lbs. (272-1270 kg) NH3/hour	\$5,640.00
01816	Liquifier Junior NH3 Kit, 1000-6000 lbs. (453-2722 kg) NH3/hour	\$5,640.00
01817	Liquifier NH3 Kit, 1500-12000 lbs. (680-5443 kg) NH3/hour	\$7,418.00
01818	Liquifier Max Kit, 3100-21000 lbs. (1406-9525 kg) NH3/hour	\$16,395.00
01821	^MM3 Kit, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01822	^MM5 Kit, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01823	^MM13 Kit, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,258.00
01824	^MM26 Kit, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,258.00
01825	^MM53 Kit, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,258.00
01826	^MM106 Kit, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,258.00
01827	^MM158 Kit, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,258.00
01828	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1 section, 37-pin AMP CPC	\$782.00
01829	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-6 sections	\$1,062.00
01830	DirectConnect™ Harness Kit for GreenStar™ Rate Controller, liquid/NH3, 1-10 sections	\$1,305.00
01845	Dual ISOMod™ Kit, single product rate control, w/ power cable & channel 1 harness	\$2,494.00
01847	Astro™ II, w/ 3-pin Amp Superseal (HARDI)	\$557.00
01848	Astro™ 5, w/ 3-pin Amp Superseal, (HARDI)	\$744.00
01851	FM750 LF SS Kit, 1-9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,114.00
01864	^PWM Hydraulic Flow Control Valve w/ Adapter Cable, 15 GPM, SAE 10 ports, 3000 PSI	\$1,192.00
01866	SprayMate™ Plus Kit, w/ FM 750 GFN, 1" servo valve, (select speed sensor)	\$2,642.00
01878	RateKing™ Plus Customized Kit, 3 section	\$1,980.00
01881	RateKing™ Plus Customized Kit, 5 section	\$1,980.00
01882	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, magnetic wheel sensor	\$3,219.00
01883	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, (select speed sensor)	\$2,962.00
01893	RateKing™ Plus Customized Kit, 7 section	\$2,345.00
01894	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, (select speed sensor)	\$3,332.00
01895	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, magnetic wheel sensor	\$3,586.00
01898-P A	FM270 P LF Kit, .5-15 GPM, 225 PSI, M200 flange, PP & Hastelloy	\$641.00

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01899	RateKing™ Dual Plus Customized Kit, 5 section, w/ channel 1 & channel 2 harnesses _____	\$3,377.00
01901	^MM2 Kit, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS _____	\$2,258.00
01904	Electric Motor Driver Kit, PWM, w/ enable, 10 Amp _____	\$599.00
01905	Electric Motor Driver Kit, PWM, w/ enable, 40 Amp _____	\$895.00
01909	RateKing™ Dual Plus Customized Kit, 3 section, w/ channel 1 & channel 2 harnesses _____	\$3,377.00
01910	RateKing™ Dual Plus Customized Kit, 7 section, w/ channel 1 & channel 2 harnesses _____	\$3,885.00
01935 A	SprayMate™ Plus Starter Fertilizer Kit, w/ FM500, 40-amp EMD, (select speed sensor) _____	\$3046.00
01965 A	SprayMate™ Plus Starter Fertilizer Kit, w/ FM750 LF, 40-amp EMD, (select speed sensor) _____	\$3172.00
01972	SprayMate™ II Kit, w/ FM750 GFN flowmeter, 1" servo valve, Astro™ II GPS Speed Sensor _____	\$2,652.00
01973	SprayMate™ II Starter Fertilizer Kit, FM500, w/ 40-amp EMD, Astro™ II GPS Speed Sensor _____	\$3,061.00
01974	SprayMate™ II Starter Fertilizer Kit, w/ FM750LF, 40-amp EMD, Astro™ II GPS Speed Sensor _____	\$3,185.00
01975	SprayMate™ Plus Kit, w/ FM 750 GFN flowmeter, 1" servo valve, Astro™ II GPS Speed Sensor _____	\$3,183.00
01976	RateKing™ Plus Kit, 5 Section, w/ FM750 GFN, 1" servo valve, Astro™ II GPS Speed Sensor _____	\$3,499.00
01977	RateKing™ Plus Kit, 7 Section, w/ FM750 GFN, 1" servo valve, Astro™ II GPS Speed Sensor _____	\$3,871.00
01980-P A	FM270 LF Flowmeter Kit, .5-15 GPM, 225 PSI, M200 flange, PP & nylon & Hastelloy _____	\$729.00
01980	FM270 LF Flowmeter Kit, .5-15 GPM, 225 PSI, M200 flange, PP, SS & nylon & Hastelloy _____	\$1040.00
01984	FM250 P Kit, .08-1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS _____	\$695.00
01993	Dual ISOmod™ Kit, dual product rate control, w/ power cable & channel 1 & channel 2 harnesses _____	\$2,754.00
01994	Liquid Blockage Sensor, SafeGuard™, Amphenol, PVC, short leads (ganged) _____	\$191.00
01995	Liquid Blockage Sensor, SafeGuard™, Amphenol, PVC, long leads (over row) _____	\$219.00
01996	Fumigant Blockage Sensor, SafeGuard™, Amphenol, Trogamid, short leads (ganged) _____	\$214.18
01997	Fumigant Blockage Sensor, SafeGuard™, Amphenol, Trogamid, long leads (over row) _____	\$255.00
01998	Run/Hold Sensor Kit, whisker switch, magnetic mount, includes 18541 and 19625A _____	\$500.00
01999	SafeGuard™ Console Kit, Amphenol conn. _____	\$1,278.00
02000	SafeGuard™ ISOmod™ Kit, Amphenol conn. _____	\$1,478.00
02011	Magnet Bar Mount, ISOmod™ _____	\$49.21
02015	^MM106FL Kit, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS _____	\$2,258.00
02016	Flo-Pro™ Customized Kit, includes 10' branch harness, 10' power cable _____	\$1,303.00
02021	RateKing™ XRS Customized Kit, 4 section _____	\$2,888.00
02026 A	SprayMate™ Plus Kit, w/Raven 440 adapter cable, CPC female connector _____	\$1,495.00
02027 A	SprayMate™ XRS Customized Kit, 2 section _____	\$2,234.00
02028	FM1500 SS Flowmeter Kit, NH3, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & nylon & Hastelloy _____	\$1,424.00
02029	FM1500 SS LF Flowmeter Kit, NH3, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & nylon & Hastelloy _____	\$1,491.00
02034	Dual ISOmod™ Kit, single product rate control, w/ channel 1 harness, w/o power cable _____	\$2,235.00
02035	Dual ISOmod™ Kit, dual product rate control, w/ channel 1 & channel 2 harnesses, w/o power cable _____	\$2,491.00
02038 A	SprayMate™ Plus Kit, w/Raven 440 adapter cable, CPC male (old style) connector _____	\$1,495.00
02054 A	SprayMate™ Plus Fertilizer Kit, w/ FM750 GFN LF, 40-amp PWM EMD, Astro II GPS Speed Sensor _____	\$3,764.00
02059 A	Dual ISOmod™ Kit, w/ Raven adapter cable (16 pin), w/ power cable _____	\$2,754.00
02060 A	Dual ISOmod™ Kit, w/ Raven adapter cable (16 pin), w/o power cable _____	\$2,491.00
02066 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 25 GPM, SAE 16 ports, 3000 PSI _____	\$1,801.19
02079 A	PWM Hydraulic Flow Control Valve w/ Adapter Cable, 48 GPM, SAE 20 ports, 3000 PSI _____	\$1,590.00
02086 A	^MM528 Kit, 26.5 to 528 GPM, 145 PSI, 3" MPT, 3-pin MP-150 Connector, PP & SS _____	\$1,714.00
10013	Mount Bracket for speed and run/hold sensor _____	\$17.82
10049	Console Mount Bracket, 82A - 84C size consoles _____	\$14.62
10050	Console Mount Washer, 82A, 84C size consoles _____	\$3.31
10051	Console Mount Knob, 82A - 84C size consoles _____	\$6.39
10073	Power Cable (82A), 8' _____	\$66.58
10074 A	Speed and Run/Hold Sensor Cable, (82A, 84C), 16' _____	\$123.87
10075	Hardware Bag, (82A, 84C) _____	\$15.28
10080	Magnet Clip _____	\$11.75
10083	Speed and Run/Hold Sensor Kit, (82A, 84C) _____	\$154.14
10085	Extension Cable for speed and run/hold (82A, 84C), 20' _____	\$113.59
10131	FM750 SS, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy _____	\$957.00
10132	Flow Sensor Cable (FT 84C, FT 96C), 16' _____	\$119.77
10137	Gasket, teflon, FM750 SS & N and FM1000 SS _____	\$10.29

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10154	System Manual, Calc-An-Acre™ 84C	\$15.99 NET
10195	Extension Cable for flow sensor (FT 84C, FT 96C), 20'	\$113.56
10233	Steel Vapor Tube, 1/2" x 1'	\$68.02
10262	Round Connector Replacement Kit, 2-pin, w/ both halves and pins	\$38.74
10316	Speed Sensor Cable, (86S), 9'	\$103.07
10415	MT-3000™ Main Wiring Harness, liquid, 12'	\$529.82
10416	Speed and Run/Hold Sensor Cable, MT-3000/5000, 5'	\$78.45
10417	Flow Sensor Cable (MT-3000/5000), 5'	\$100.25
10419 A	Solenoid Cable (MT-3000), 3'	\$51.15
10423	Console Mount Knob, RateKing™ or aluminum consoles measuring 8 - 11/16"	\$11.02
10445	Shroud Dust Cover, 3-pin WP, female	\$17.11
10447	Tower Dust Cover, 3-pin WP, male	\$17.11
10449	Extension Cable, 3-pin WP, 10'	\$90.12
10450	Extension Cable, 3-pin WP, 5'	\$80.40
10451	Shroud Dust Cover, w/ jumper wire, 3-pin WP, female	\$18.95
10470	Console Mount Washer, RateKing™ or aluminum consoles measuring 8 - 11/16"	\$5.99
10474	Compression Fitting Kit	\$49.08
10485	Pressure Tubing Extension Kit, 15'	\$64.76
10514	Magnetic Speed Sensor Kit, MT-3000/5000	\$145.63
10523	Connector Replacement Kit, 3-pin WP, w/ both halves, pins and seals	\$39.62
10829	Extension Cable, 3-pin WP, 20'	\$113.71
10876	Extension Cable, 3-pin WP, 15'	\$102.76
10899	FM750 SS for NH3, 2-40 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,165.08
11008	Vapor Tubing Elbow, 3/8" FPT x 3/8"	\$31.25
11009	Vapor Tubing Elbow, 3/4" MPT x 3/8"	\$32.22
11022	Nipple, 1/8" x 1 1/2", SS	\$27.08
11023	Bushing, 1/4" x 1/8", SS	\$21.07
11024	Vapor Tubing, 3/4" EVA, 25'	\$320.63
11025	Vapor Tubing, 1/2" EVA, 25'	\$233.47
11034	Tower Dust Cover, 6-pin WP, male	\$23.11
11035	Shroud Dust Cover, 6-pin WP, female	\$23.34
11037	Plumbing Panel Harness (MT-3000, MT-5000, TN-7000), 3'	\$135.69
11039	NH3 Main Harness (MT-3000)	\$437.35
11040	Accessory Kit, NH3500	\$198.43
11050	Extension Cable, 6-pin WP, 5'	\$145.63
11051	Extension Cable, 6-pin WP, 10'	\$180.56
11052	Extension Cable, 6-pin WP, 20'	\$253.25
11154	Connector Replacement Kit, 6-pin WP, w/ both halves, pins and seals	\$71.00
11191	Strainer Screen, NH3, #20, SS	\$56.13
11192	Strainer Gasket, NH3, Teflon	\$11.51
11203	Snubber Washer Kit, w/o-ring	\$22.48
11259-01	^Polmac FM2000P & 3" Sensor, green	\$391.34
11259-02	^Polmac Seeger Ring #48, 2"	\$21.11
11259-03	^Polmac Tunnel, 2"	\$73.00
11259-04	^Polmac Shaft Holder, 2"	\$16.90
11259-05	^Polmac Turbine Shaft, 2"	\$18.29
11259-06	^Polmac Seeger Ring #10, 2"	\$18.29
11259-07	^Polmac Flowmeter Rotor Bearing, 2"	\$92.88
11259-08	^Polmac Flowmeter Spacer Washer, 2"	\$19.70
11259-09	^Polmac SS Turbine, 2"	\$519.32
11259-10	^Polmac Flowmeter Housing, 2"	\$410.45
11259-11	^Polmac Rotor Shaft, ceramic	\$92.88
11259-12	^Polmac Rotor Bushing, ceramic	\$33.19
11259-13	^Polmac Rotor Support, ceramic	\$187.18
11259-14	^Polmac Rotor Support, nylon	\$15.48

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11259-15	^Polmac Flow Sensor, sq. wave, yellow	\$292.80
11277	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$105.57
11311	M-T Servo Valve Cable, w/ boost wire, 5'	\$85.50
11400	Tower Dust Cover, 2-pin WP, male	\$14.08
11401	Shroud Dust Cover, 2-pin WP, female	\$14.08
11461	Radar Module Adapter Cable, (84C, FT 84C, FT 96C, 86S, YT 85)	\$54.67
11462	Extension Cable, 3-pin WP, 25'	\$124.45
11501	FM750 GFN, 2-40 GPM, 150 PSI, 3/4" FPT, & Hastelloy	\$520.00
11527	Y-Cable for Dickey JOHN®/AMP radar, 1'	\$389.39
11528	Power Cable for Dickey JOHN®/AMP radar, 6'	\$147.86
11529	Y-Cable for Magnavox, Phillips radars, 1'	\$181.16
11530	Power Cable for Magnavox, Phillips radars, 6'	\$144.36
11560	Extension Cable, 2-pin WP, 5'	\$61.62
11561	Extension Cable, 2-pin WP, 10'	\$71.58
11671	Extension Cable, 2-pin WP, 15'	\$77.89
11672	Extension Cable, 2-pin WP, 20'	\$79.54
11693	Y-Cable for Dickey JOHN®/Packard radar, 1'	\$251.94
11829	Connector Replacement Kit, 2-pin WP, w/ both halves, pins and seals	\$34.26
11837	Dual Lock Fastener Kit, (4 sets of 1" X 1")	\$23.76 NET
12069	Magnet Kit, 6 magnets	\$19.25
12095	Y-Cable for Raven radar, 1'	\$282.94
12245	System Manual, MT-3000™	\$15.99 NET
12274-P A	FM1500 P SS, 10-130 GPM (40-500 lpm) 500 PSI (35 Bar)	\$1032.00
12274	FM1500 SS, 10-130 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,314.30
12414-01	^Polmac Rotor Repair Kit, ceramic, 3"	\$520.78
12414-02	^Polmac Flow Sensor, sinusoidal, 3", green	\$416.54
12414-03	^Polmac Flowmeter Turbine, 3"	\$1,259.60
12414-04	Flowmeter Rotor Shaft, ceramic, 3'	\$92.88
12689	*Y-Cable for Dickey JOHN®/Ford radar, 1'	\$221.85
12690	*Power Cable for Dickey JOHN®/Ford radar, 6'	\$145.74
12758	Radar/GM Interface Module, 3-pin WP connector for speed	\$253.01
12798	*Y-Cable for Dickey JOHN®/Deutsch radar, 1'	\$313.13
12800	Power Cable for Dickey JOHN®/Deutsch radar, 6'	\$144.33
12813	System Manual, Flow-Trak™ FT84C, FT96C	\$15.99 NET
12817	USIM Wire Assembly, 2-pin, 5'	\$24.69
12828	Plug, 1/8", (Low Rate Kit)	\$29.00
12853	Weatherproof Fuse Holder w/o fuse	\$30.25
12888	Console Mount Knob, any black plastic consoles	\$7.52
12889	Console Mount Washer, any black plastic consoles	\$3.11
12910	Plastic Tie Kit, 14", (bag of 10)	\$13.42
12911	Hex Nut for Speed and Run/Hold Sensor, 3/8", (bag of 3)	\$7.74
12912	Magnet Kit, w/ tape (6 magnets)	\$29.98
12953	Adapter Cable for in-cab John Deere® 8000 & 9000 Series, 1.5'	\$84.00
13083	Flow, Run/Hold, Servo Boom Harness, MT-3405 F™ & FTW, (pigtail version), 5'	\$252.67
13084	Pressure, Boom, Boost Harness, (Pigtail version), 5'	\$305.12
13085	Return Flow, Speed, Boom Harness, (Pigtail version), 5'	\$276.52
13088	*LR1 Run/Hold, Boom, Boost Harness, MT-3400™ 5'	\$326.50
13090	Power Harness, speed, run/hold (C-97-LR)	\$195.05
13096 B	Speed/Flow Sensor, Hall-effect w/ MP shroud, 5'	\$139.69
13097	Power Harness, flow, speed, run/hold, Flow-Trak™ 97 LR	\$262.79
13100	Shroud Dust Cover, w/ jumper wire, 3-pin MP, female	\$17.28
13104	Tower Dust Cover, 2-pin MP, male	\$11.55
13105	Shroud Dust Cover, 2-pin MP, female	\$11.55
13106	Tower Dust Cover, 3-pin MP, male	\$17.28
13107	Shroud Dust Cover, 3-pin MP, female	\$17.28

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13110	Tower Dust Cover, 6-pin MP, male	\$25.65
13111	Shroud Dust Cover, 6-pin MP, female	\$25.65
13112	Tower Dust Cover, 10-pin MP, male	\$26.52
13113	Shroud Dust Cover, 10-pin MP, female	\$26.52
13115	Boom Shutoff/Relief Cable, 5'	\$43.85
13116	Flow, Speed, Servo, Boom Harness, MT-3400™ 5'	\$315.39
13181	Console Mount Kit, any black plastic consoles	\$36.74
13184	System Manual, Calc-An-Acre™ LR	\$15.99 NET
13187	FM1000 SS, 3.5-70 GPM, 500 PSI, 1" FPT, SS & Hastelloy	\$1039.00
13200	Extension Cable, 2-pin MP 150, 5'	\$77.96
13201	Extension Cable, 2-pin MP 150, 10'	\$84.16
13202	Extension Cable, 2-pin MP 150, 15'	\$90.98
13203	Extension Cable, 2-pin MP 150, 20'	\$94.96
13204	Extension Cable, 2-pin MP 150, 25'	\$102.75
13205	Extension Cable, 3-pin MP 150, 5'	\$86.15
13206	Extension Cable, 3-pin MP 150, 10'	\$91.98
13207	Extension Cable, 3-pin MP 150, 15'	\$103.41
13208	Extension Cable, 3-pin MP 150, 20'	\$109.98
13209	Extension Cable, 3-pin MP 150, 25'	\$117.38
13220	Extension Cable, 10-pin MP 150, 5'	\$149.74
13221	Extension Cable, 10-pin MP 150, 10'	\$178.82
13222	Extension Cable, 10-pin MP 150, 15'	\$204.47
13223	Extension Cable, 10-pin MP150, 20'	\$244.92
13224	Extension Cable, 10-pin MP 150, 25'	\$288.59
13226 A	Run/Hold Sensor Cable, 5'	\$100.60
13231	Connector Replacement Kit, 2-pin MP, w/ both halves, pins and seals	\$43.72
13232	Connector Replacement Kit, 3-pin MP 150, w/ both halves, pins and seals	\$49.15
13233	Connector Replacement Kit, 4-pin MP, w/ both halves, pins and seals	\$53.11
13234	Connector Replacement Kit, 6-pin MP, w/ both halves, pins, seals	\$50.01
13235	Connector Replacement Kit, 10-pin MP, w/ both halves, pins and seals	\$79.50
13251	Hardware Bag	\$14.22
13254	Console Mount Kit, MT-9000™ series	\$70.12
13255	System Manual, MT-9000™	\$15.99 NET
13256	Pressure Sensor, w/ cable, liquid and NH3, 250 PSI (17 Bar), 5'	\$829.80
13269	FM500, .5-5 GPM, 500 PSI, 1/2" FPT, PP & Hastelloy	\$520.00
13270	Terminal Kit, w/ weatherproof fuse holder	\$98.97
13273	Plumbing Panel Harness, NH3, (current controllers), 7'	\$529.75
13276	Main Harness, NH3, MT-3405™ F & MT-9000, (pigtail version), 10'	\$309.51
13348	Pin, Quick Release Switchbox, SS	\$38.51
13369	Connector Replacement Kit, 15-pin, MT-3000, (harness half ONLY, pins and strain relief)	\$50.08
13419	Extension Cable, 3-pin MP 150, 50'	\$166.73
13434 A	^VRS Interface Module	\$285.19
13504	Adapter Cable, in-line M-T servo valve, 1'	\$106.86
13521	Crimping Tool, WP	\$232.02 NET
13522	Crimping Tool Kit, MP	\$303.46 NET
13523	Terminal Removal Tool, WP	\$19.68 NET
13524	Terminal Removal Tool, MP	\$19.68 NET
13561	Hall-effect Sensor Adapter Cable, MT-3000/5000	\$77.60
13604	System Manual, MT-NH3™	\$15.99 NET
13620	Power Cable, 2-pin MP, MT-NH3™, 10'	\$57.12
13629 B	Console Mount Bracket, RateKing™ or aluminum consoles measuring 8 - 11/16"	\$25.32
13752	FM750 SS, w/ ceramic bearings, 2-40 GPM, 500 PSI, 3/4" FPT	\$957.00
13753	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/o turbine	\$109.35
13757	Branch Harness, speed, run/hold, MT-2405 F™ II and FTW II, 10'	\$243.69
13758	Branch Harness, boom, power, servo, MT-2405 F™ II and FTW II, 10'	\$209.18

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13759	Connector Replacement Kit, 3-pin MP 630, w/ both halves, pins and seals _____	\$60.12
13762	Boom, Boost Relief Harness, MT-3405 F™, (pigtail version), 5' _____	\$156.36
13763	Boom, Speed Harness, MT-3405 F™, (pigtail version), 5' _____	\$176.74
13773	System Manual, MT-3405 F™ _____	\$15.99 NET
13774	Console Mount Kit, LARGE or aluminum consoles measuring 8 - 11/16" _____	\$79.56
13783	O-Ring, quad for FM750 GFN & FM750 GFN LF _____	\$13.17
13797	System Manual, MT-9000™, (NH3 Specific) _____	\$15.99 NET
13857	^Servo Type Hydraulic Flow Control Valve, 15 GPM, 3.5 Second, SAE 8 ports, 3000 PSI _____	\$2,470.00
13858	^Servo Type Hydraulic Flow Control Valve, 35 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13859	^Servo Type Hydraulic Flow Control Valve, 5 GPM, 3.5 Second, SAE 8 port, 3000 PSI _____	\$2,470.00
13860	^Servo Type Hydraulic Flow Control Valve, 20 GPM, 3.5 Second, SAE 16 ports, 3000 PSI _____	\$2,470.00
13872	Y Cable, 3 Pin MP 150, 1 Tower & 2 shrouds, 12", (1 - speed signal in & 2 - out) _____	\$196.67
14012	WeatherPak Fuse Holder, w/ leads, w/o fuse _____	\$44.79
14019 B	Radar Interface Cable, 4-pin DJ to 3-pin MP, Vansco® _____	\$137.00
14025	Radar Interface Cable, 4-pin DJ to 3-pin WP, Vansco® _____	\$135.00
14026	*4-pin DJ Amp to Dickey JOHN®/Cannon connector, 1' _____	\$182.00
14027	4-pin DJ Amp to Dickey JOHN®/Packard connector, 1' _____	\$182.00
14028	*4-pin DJ Amp to Dickey JOHN®/Deutsch connector, 1' _____	\$182.00
14029	4-pin DJ Amp to Magnavox/Packard connector, 1' _____	\$182.00
14030	4-pin DJ Amp to Raven/Conxall connector, 1' _____	\$182.00
14031	*4-pin DJ Amp to Spraying Systems/Deutsch connector, 1' _____	\$182.00
14039	4-pin DJ Amp to Dickey JOHN®/Ford connector, 1' _____	\$182.00
14103	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 15' _____	\$382.76
14108	Tower Dust Cover, 7-pin MP, male _____	\$35.82
14109	Shroud Dust Cover, 7-pin MP, female _____	\$35.82
14142	Extension Cable, 10-pin MP 150, 50' _____	\$532.49
14146	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 5' _____	\$204.55
14147	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 10' _____	\$295.95
14214	Radar Interface for in-cab John Deere® MP 150 connector _____	\$135.00
14215	Radar Interface for Dickey JOHN®/AMP connector _____	\$202.00
14216	*Radar Interface for Dickey JOHN®/Cannon connector _____	\$202.00
14217	Radar Interface for Dickey JOHN®/Deutsch connector _____	\$202.00
14218	Radar Interface for Dickey JOHN®/Ford connector _____	\$202.00
14219	Radar Interface for Dickey JOHN®/Packard connector _____	\$202.00
14220	Radar Interface for Magnavox, Phillips/Packard connector _____	\$202.00
14221	Radar Interface for Raven/Conxall connector _____	\$202.00
14222	Radar Interface for in-cab John Deere® MP 150 connector with y-cable _____	\$202.00
14232	Hose Barb, 1/4" x 3/8" orifice, (3/32) _____	\$16.14
14236	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 20' _____	\$465.18
14237	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 25' _____	\$542.65
14282	Boot for 1" Whirlwind™ sensor _____	\$25.69
14283	Boot for 1 1/4" Whirlwind™ sensor _____	\$27.62
14286-P A	FM270 P, 3.5-70 GPM, 225 PSI, M200 flange, PP, SS, & Hastelloy _____	\$555.00
14311	Main Harness, NH3, SprayMate™ & SprayMate™ II, 10' _____	\$212.24
14313 F	Harness, flow, control, boom, WPT-PGS, SprayMate™ II _____	\$324.54
14314	Ignition Cable, 72" _____	\$45.14
14315 C	Power (battery) Cable, 2-pin WP, 10 Amp fuse, 15' _____	\$153.60
14316	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 10' _____	\$234.97
14317	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 15' _____	\$282.48
14318	Bulkhead Console Power Boom Harness, 10' _____	\$540.41
14319	Bulkhead Console Boom Branch Harness, 10' _____	\$296.28
14320	Bulkhead Console Flow, Servo, Run/Hold Harness, 10' _____	\$206.60
14348-P B	FM1500 P SS LF, 3.5-70 GPM (13-265 lpm) 500 PSI (35 Bar) _____	\$1,073.00
14348 E	FM1500 SS LF, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy _____	\$1,435.00
14363	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 5' _____	\$158.47

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14364	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 20'	\$347.02
14365	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 25'	\$408.04
14366	Main Harness, NH3, MT-3405™ F & F II & MT-9000 with bulkhead connection, 10'	\$411.88
14380	Cable for John Deere® Performance Center (7000, 8000, 9000, Track Series), 1'	\$182.00
14381	Shaft-Trak™ Console (standard)	\$686.00
14419	Extension Cable, 10-pin MP 150, 5-16 & 5-20 gauge, 50'	\$700.53
14459	*Blockage Module	\$779.36
14463	*In-Line Servo Valve Adapter Cable, (MT-400™ with S)	\$42.59
14469	Solenoid Adapter Cable, 3-pin WPS to 1/4" QD	\$36.65
14471	RPM Sensor Kit, RPM sensor, w/ molded shaft adapter, 6 magnets	\$137.24
14473 C	Branch Harness, Shaft-Trak™, 6 sensor	\$426.81
14479	System Manual, Whirlwind™	\$15.99 NET
14482	Extension Cable, 5-pin MP 150, 5'	\$97.99
14483	Extension Cable, 5-pin MP 150, 10'	\$118.33
14484	Extension Cable, 5-pin MP 150, 15'	\$144.39
14485	Extension Cable, 5-pin MP 150, 20'	\$169.37
14486	Extension Cable, 5-pin MP 150, 25'	\$194.94
14501	Motor Lead Extension Cable, 2-pin WP, 10 Amp EMD, 5'	\$78.00
14519	Run/Hold Foot Switch, w/ cable	\$315.32
14536	Molded Shaft Adapter Kit, w/ 10 magnets	\$81.95
14553	Extra Main Harness Kit, (C-97-LR), (includes 13181, 13090 and 01530)	\$469.30
14582	Harness, speed/flow with run/hold, 10'	\$157.36
14583	Harness, speed/flow with Run/hold, 30'	\$273.69
14584	Boom Branch Harness, 10'	\$284.66
14585	Boom Branch Harness, 30'	\$525.18
14588	Cable, 16 Ga 5-pin MP Ext., 15'	\$243.52
14589	Cable, 12 Ga 2-conductor WP Ext, 15'	\$126.70
14600	Power/Module Cable , 5-pin MP, Whirlwind™, 20'	\$268.06
14607	Cable, local speed	\$196.94
14611 C	Adapter Cable, Raven flowmeter interface to MT, w/ 5V regulator, 18"	\$275.38
14672	*Shaft Module	\$779.36
14684	Connector Replacement Kit, 7-pin MP, w/ both halves, pins and seals	\$54.78
14689 C	Flow Sensor, Hall-effect, 3-pin WP	\$136.96
14690	Fan Module	\$764.75
14691	*Bin Level Module	\$764.74
14728	Pressure Gauge Bracket, MC-10, narrow console, (gauge not included)	\$54.00
14778	Adapter Cable, 3-pin MPS, pins A & C to flying leads generic run/hold adapter, 30'	\$73.00
14793	Bulkhead Console Run/Hold Adapter Cable	\$104.73
14799	Pressure Gauge Bracket for MC-25, (gauge not included)	\$40.00
14808	Connector Replacement Kit, 5-pin MP, w/ both halves, pins and seals	\$37.15
14810	Radar Adapter for in-cab John Deere® MP 150 connector	\$77.00
14811	Radar Adapter for in-cab John Deere® MP 150 connector w/ Y-cable	\$90.00
14812	Radar Adapter for Dickey JOHN®/AMP connector w/ Y-cable	\$160.00
14813	Radar Adapter for Dickey JOHN®/Cannon connector w/ Y-cable	\$160.00
14814	Radar Adapter for Dickey JOHN®/Deutsch connector w/ Y-cable	\$160.00
14815	Radar Adapter for Dickey JOHN®/Packard connector w/ Y-cable	\$160.00
14816	Radar Adapter for Dickey JOHN®/Ford connector w/ Y-cable	\$160.00
14817	Radar Adapter for Raven/Conxall connector w/ Y-cable	\$160.00
14818	Radar Adapter for Magnavox/Phillips/Packard connector w/ Y-cable	\$160.00
14829-P A	FM10/100 P, 10-100 GPM, 225 PSI, M200 flange, SS, PP & Hastelloy	\$592.00
14836	Turbine for FM750 GFN, SS, FM1000 SS, FM270, FM10/100 and FM1500 SS	\$163.72
14851	Strainer Plug, w/ Alnico magnet, NH3	\$109.23
14869 P	SprayMate™ II Console	\$1049.00
14885	^Servo Type Hydraulic Flow Control Valve, 10 GPM, 3.5 Second, SAE 8 ports, 3000 PSI	\$2,470.00
14904	System Manual, MT-2405 F™ II, (NH3 Specific)	\$15.99 NET

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14914 F	Shaft-Trak™ Console (low RPM)	\$686.00
14926	Radar Adapter, 4-pin DJ to 3-pin MPS (Vansco®)	\$90.00
14935	MT-2405™ II Console	\$840.00
14943	System Manual, SprayMate™ II	\$15.99 NET
14946	System Manual, MT-3405 F™ II, (NH3 Specific)	\$15.99 NET
14955	System Manual, MT-NH3™ II	\$15.99 NET
14956 B	MT-NH3™ II Console	\$1,530.00
14966 J	SodPro™ II Console	\$817.00
14983	Harness Branch, servo, flow, RPM	\$293.99
15854 A	Adapter Cable, 4-wire control valve	\$94.37
15855 A	Adapter Cable Kit, 4-wire control valve (w/14315C power cable)	\$205.12
15861 A	Adapter Cable, CPC male (old style) connector, SprayMate™ Plus to Raven 440, 10'	\$271.15
15871 A	Parallel Boom "Y" Cable, Dual ISOmod™	\$188.25
15891 B	IBIC Breakaway Implement Cable, w/power connection, 30'	\$1,310.00
15894 A	Bearing Assembly Rebuild Kit for Poly Bearing Housing w/bearing for FM270, FM10/100, FM1500	\$196.82
15909 A	^Hydraulic Motor Seal Kit	\$236.44
16002 A	Adapter Cable, MT control valve to Raven, 9"	\$146.79
16003 A	Adapter Cable, MT on/off KZValve® to Raven, 9"	\$149.84
16004 B	Adapter Cable, electro-magnetic flowmeter to Raven interface cable, 10'	\$258.61
16005 A	Adapter Cable, electro-magnetic flowmeter to John Deere® interface cable, 10'	\$110.47
16006 A	Adapter Cable, electro-magnetic flowmeter to TeeJet® interface cable, 10'	\$131.11
16008 A	Adapter Cable, SprayMate™ Plus to Raven CR7	\$265.08
16013 A	Branch Cable, Dual ISOmod™, 6 section ZV (zipvalve), 10'	\$438.00
16014 A	Branch Cable, Dual ISOmod™, 12 section ZV (zipvalve), 10'	\$817.00
16031 A	Y Cable, 2 Pin MP 150, 1 Shroud & 2 towers, 10'; (7-section RateKing™ parallel boom)	\$87.19
16032 A	Parallel Boom "Y" Cable Kit, RateKing™ Dual, 7 section	\$603.00
16041 A	ISOBUS Tap Cable, 12-pin Deutsch, Case IH® 2100 Series Planter	\$269.00
16087 A	Relay Assembly, 40 Amp, with multifunction enable	\$221.45
16088 A	Adapter Cable, MT to Raven shutoff	\$202.13
16129 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1" butterfly, Raven, 2 pin molded	\$660.00
16130 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1 1/2" butterfly, Raven, 2 pin molded	\$660.00
16131 A	FM750 GFN Housing Half, w/ bearing, (one half of flowmeter)	\$267.00
16132 A	FM750 GFN LF Housing Half, w/ bearing, (one half of flowmeter)	\$325.00
16148 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1" butterfly, Deutsch, 2 pin molded	\$660.00
16149 A	Servo Valve, M200 flanged or 1 1/2" FPT w/ 1 1/2" butterfly, Deutsch, 2 pin molded	\$660.00
16153 A	Adapter Cable, Dual ISOmod™ to Raven 440, w/CPC conn.	\$1,136.04
16161 A	^MM528, 26.5 to 528 GPM, 145 PSI, 3" MPT, PP & SS	\$1,637.90
16165 A	Rebuild Kit for FM1500 PA, w/ turbine, for NH3	\$380.04
16199 A	ISOmod™ Adapter Cable, M/P 3-pin to DB9, 7"	\$93.13 NET
16200 A	ISOmod™ Programming Cable Kit, M/P 150	\$94.00 NET
16399 A	Adapter Cable, MT DirectConnect™, 37-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18"	\$707.24
16425 A	Adapter Cable, MT DirectConnect™, 16-Pin AMP CPC Male to 47-Pin Amphenol Plug, 18"	\$660.30
17010 M	GSC-1000™ Console, STD control	\$1,615.00
17011 L	GSC-1000™ Console, PWM control	\$1,615.00
17020	System Manual, MT-3405™ FTW II	\$15.99 NET
17037	System Manual, SodPro™ II	\$15.99 NET
17040	System Manual, GSC-1000™	\$15.99 NET
17077	Power Harness, speed, run/hold	\$195.71
17095	Extension Cable, 10-pin MP 150, 30'	\$341.13
17096	Extension Cable, 10-pin MP 150, 40'	\$409.84
17108	Adapter Cable, Rawson/Mid-Tech flow sensor, 1'	\$51.29
17144	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25
17147	Bearing Assembly Rebuild Kit w/ ceramic balls for FM750 SS, FM1000 SS and FM1500 SS, w/ turbine	\$202.25
17148	Branch Harness, channel 2 liquid, MT-3405 D™, 10'	\$280.68
17158	Ball Valve Adapter Cable, 3-boom 2-wire, RoadMaster™ & SprayMate II™	\$603.53

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17159 A	Bulkhead Console 5-boom 2-wire Ball Valve Adapter Cable _____	\$869.85
17176	Harness, power, speed, RPM, run/hold, Calc-An-Acre™ II _____	\$217.63
17184	Channel 2 Liquid Harness, MT-3405 D™ _____	\$438.00
17185 A	Calc-An-Acre™ II Console _____	\$503.00
17186 A	Flow-Trak™ II Console _____	\$910.00
17192	System Manual, Calc-An-Acre™ II _____	\$15.99 NET
17193	System Manual, Flow-Trak™ II _____	\$15.99 NET
17194	Power Harness, flow, speed, run/hold, Flow-Trak™ II _____	\$268.06
17200	Relay Kit, Flow-Trak™ II _____	\$197.02
17269	Extension Cable, 10-pin MP 150, 45' _____	\$450.21
17279	Adapter Cable, EMD enable _____	\$27.16
17289 J	ProPlant™ Console _____	\$1,979.00
17302	Bearing Assembly Rebuild Kit w/ ruby balls for FM270 and FM10/100/ w/ turbine _____	\$176.83
17307	Section Branch Harness, 1-3 sections, 20' _____	\$208.34
17308 B	Section Branch Harness, flow with servo/RH, 1-3 sections _____	\$348.12
17316	Parallel Boom Harness Kit, MT-3405 D™ _____	\$1,311.00
17318	Motor Assembly, w/ cross port plug _____	\$1,735.68
17320 A	Toolbar Bracket _____	\$348.75
17321 C	Motor Bracket _____	\$291.83
17322	Sprocket, Idler #40, 32 x 16 _____	\$415.11
17323	Sprocket, Idler #40, 16 x 16 _____	\$155.80
17324	Adapter Cable, MT servo to Raven (old style), 1' _____	\$71.00
17325	Adapter Cable, MT flow/speed sensor w/ 3 pin MP to Raven/Conxall, 1' _____	\$114.00
17329 A	System Manual, ProPlant™ _____	\$16.00 NET
17338	Astro™ Adapter, 3-pin MP to MT-3000/5000 3-pin WP _____	\$89.03
17339	Section Harness, power, 15' _____	\$340.15
17351	Toolbar U-Bolt, 7" _____	\$26.12
17358	Section Harness, 1 section, 20' _____	\$80.00
17359	Harness, flow, servo, run/hold, 1 section, 20' _____	\$235.90
17360	Harness, flow, servo, run/hold, 15' _____	\$253.84
17370	ProPlant™ Variable Rate Token, green _____	\$252.78
17388	Sprocket, #40, 32 Tooth, 7/8" Split _____	\$252.78
17389	Radar Mount Kit (new style), Vansco® _____	\$62.76
17392 A	Speed/Flow Sensor, Hall-effect w/ MP shroud, 1' _____	\$107.59
17394	Sprocket, #40, 32 Tooth, 3/4" Split _____	\$252.78
17395	Bolt/Fastener Kit, hydraulic drive assembly _____	\$34.15
17396	Drive Chain Kit, #40, 10' _____	\$88.00
17398	Secondary Drive Fittings Kit _____	\$70.48
17399	Primary Drive Fittings Kit _____	\$396.96
17415	Extension Cable, 7-pin MP 150/480, 2-10 & 5 -18 gauge, 50' _____	\$959.65
17419	Boom Branch Harness, MT-3407 F™ II, 10' _____	\$274.68
17420 A	Servo, Flow, Boom Branch Harness, MT-3407 F™ II, 10' _____	\$222.95
17433	Astro™ Adapter, 4-pin AMP to 3-pin MP _____	\$282.56
17436	Boom Branch Harness, MT-3405 F™ II, 10' _____	\$259.19
17442 C	MT Hall-effect flow/speed sensor to Raven, 9" _____	\$166.73
17444	Power Cable, 2-pin MP280, 25 Amp fuse, 10' _____	\$154.54
17445	Extension Cable, 2-pin MP 280, 10' _____	\$129.26
17446	Extension Cable, 2-pin MP 280, 20' _____	\$203.09
17447	Motor Cable, 2-pin MP280, 15' _____	\$141.14
17448	Motor Cable, 2-pin MP280, 20' _____	\$178.13
17449	Motor Cable, 2-pin MP280, 25' _____	\$215.14
17450	Motor Cable, 2-pin MP280, 30' _____	\$252.12
17501	Y Cable, 2 Pin MP 280, 1 Shroud & 2 towers, 20", (25 Amp MC dual motor) _____	\$128.95
17514 R	RoadMaster™ Console (standard control) _____	\$2,059.00
17523	Remote RoadMaster™ Blast, Run/Hold Cable, w/ mini-din connector _____	\$76.72

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17528	Adapter Cable, Raven servo valve (old style) to MT, 8'	\$52.69
17529	Multi Section Branch Harness, NH3, 1-5 sections, 2'	\$264.61
17536	Astro™ Adapter, 3-pin WP to 3-Pin MP	\$57.68
17539	Adapter Cable, MT servo to PWM valve	\$47.81
17539	Adapter Cable, MT servo to PWM valve	\$47.81
17544	System Manual, RoadMaster™, STD	\$15.99 NET
17545	System Manual, RoadMaster™, PWM	\$15.99 NET
17546 P	RoadMaster™ Console (PWM control)	\$2,059.00
17554	Drive Chain Kit, #50, 10'	\$150.43
17555	Sprocket, Idler #50, 32 x 16	\$500.42
17556	Sprocket, 50-16 x 40-16 drive	\$141.90
17557	Sprocket, #50, 28 Tooth, 7/8" Hex Split	\$340.63
17558	Sprocket, #50, 28 Tooth, 3/4" Hex Split	\$340.63
17560	RoadMaster™ Blast/Run/Hold Remote Switch Box, w/ circular connector (old style)	\$260.00
17576	^Hydraulic Motor/Shutoff Valve Assembly, 4.9 CID, (no sprockets)	\$2,436.00
17582	Adapter Cable, w/ power, Raven / Trimble® EZ Boom® 2010 to MT, 10'	\$639.47
17584	Adapter Cable, NH3, 1 section, 1'	\$205.60
17599	Multi Section Boom Master Module, Deutsch connectors, 1-10 sections	\$544.76
17608	Adapter Cable, w/o power, Topcon 30S ECU to MT Liquid/NH3, 10'	\$587.23
17627	DirectConnect™ Harness Kit for Trimble® EZ Boom™ 2010, liquid, 1-7 section	\$1,137.00
17628	DirectConnect™ Harness Kit for Raven 440/450, liquid	\$1,137.00
17643	Adapter Cable, w/o power, Greenstar™ to MT Liquid/NH3, 10'	\$549.48
17674	^Lift-N-Go Kit, control box, air cylinder, brass T fitting, 30' air hose, accessory bag	\$591.05
17696	Seal Kit for SAFi NH3 Valve, (Velan)	\$460.84
17739	Multi Section Boom Master Module, 1-5 sections	\$359.37
17741	SAFi Cover O-ring, (New Style)	\$8.32 NET
17766	Trak-Record II Console	\$1015.62
17767	System Manual, Trak-Record II	\$15.99 NET
17771	Power Cable	\$56.86
17782	Auto Section Cable, SprayMate II™	\$403.00
17786	Multi Section Adapter Cable, SprayMate II™, NH3, 10'	\$240.20
17787	^USB Flash Drive, 128meg	\$79.55 NET
17789	Adapter Cable for in-cab John Deere® 30 Series, 7-pin Amp	\$160.00
17811	Radar Adapter for in-cab John Deere® 30 Series 7-pin Amp	\$160.00
17827 A	Adapter Cable for electro-magnetic flowmeter, w/ divide by 8 interface	\$224.39
17842	Adapter Cable for electro-magnetic flowmeter w/o divide by 8 interface	\$100.16
17844	Multi-Section Branch Harness, NH3	\$276.09
17846	*Adapter Cable, hydraulic poppet, 3-pin WPS to 2-pin MP tower	\$34.32
17857	Adapter Cable, w/o power, AgLeader® DirectCommand™ to MT Liquid, 10'	\$680.10
17858	Suction Cup Mounting Kit for Console	\$188.00
17871	Power Cable, 2-pin MP 280, w/ 40 Amp fuse, old style 40 Amp EMD, 20'	\$269.00
17872	Motor Lead, 2-pin MP 280, old style 40 Amp EMD, 4'	\$72.72
17880	Radar Interface for in-cab John Deere® 30 Series 7-pin Amp for LR products	\$209.87
17881	Right or Left Section Branch Harness, DrillMaster™	\$269.12
17882	Center Section Branch Harness, DrillMaster™	\$176.06
17883	PWM Run/Hold Cable, DrillMaster™	\$126.54
17884 A	FM750 GFN LF Insert	\$67.73
17885	Turbine for FM750 LF, FM270 LF and FM1500 LF	\$93.66
17887 D	FM750 GFN LF, .5-12 GPM, 150 PSI, 3/4" FPT, & Hastelloy	\$648.00
17891	DirectConnect™ T-Adapter for TeeJet® 230 BP/BoomPilot®	\$1,577.00
17892	Low Rate Conversion Kit, NH3500	\$457.48
17894	Mounted Branch Harness, DrillMaster™	\$283.99
17899 G	DrillMaster™ Console	\$1,437.00
17913	Strainer Gasket, NH3500, NH3, 1", teflon	\$75.23
17914	Strainer Screen, Liquifier NH3, 1.25", #20, SS	\$75.23

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17915	Strainer Gasket, Liquifier NH3, 1.25", teflon _____	\$97.85
17917 B	^Proximity Sensor, w/ 6" lead _____	\$290.00
17922	RPM Sensor Kit, proximity or gear tooth sensor, w/ 6" cable, mounting bracket _____	\$268.10
17924	Adapter Cable, GS2, 16-pin to 37-pin CPC _____	\$373.64
17934	Adapter Cable, servo polarity reversal _____	\$37.69
17941	Branch Cable, AgLeader® DirectCommand™ to NH3 _____	\$732.88
17942	Adapter Cable, AgLeader® DirectCommand™ to Single Section _____	\$44.24
17943	Multi-Section Boom Master Module, AgLeader® DirectCommand™ _____	\$373.00
17962	Control Harness, Liquid/NH3, 7 section, GS2,3 10' _____	\$1003.00
17965	Reed Flow Sensor for FM750 GFN Flowmeter (P/N 11501) _____	\$90.06
17972 A	^KZValve® NH3 Shutoff Valve, 1" _____	\$1,500.91
17973 A	^Seal Kit for KZValve®, NH3, 1" _____	\$98.51
17985 A	Power Cable, 2-pin molex, 10 Amp fuse, 10' _____	\$74.91
17986	Motor Cable, MC-10, 2-pin molex to WP, 20' _____	\$68.36
17995	Bracket, NH3500, Low Rate Support _____	\$69.95
17996	MC-10 Manual Controller only, 10 amp _____	\$289.00
17997	MC-25 Manual Controller only, 25 amp _____	\$597.00
18000	Nipple, 3/4" X Close blk schedule 40 _____	\$8.12
18001	Nipple, 3/4" X 12" blk schedule 40 _____	\$40.48
18003	Coupling 1" x 3/4", (Low Rate Kit) _____	\$22.17
18004	Hose, NH3, 1" x 3', (Low Rate Kit) _____	\$533.59
18005	Primary Drive Fittings Kit _____	\$343.82
18006	Hydraulic Control Valve Remote Mount Bracket _____	\$67.73
18008	Electric Motor Driver Kit, STD, 10 Amp _____	\$599.00
18014	Nipple, 3/4" X 2" blk schedule 40 _____	\$8.62
18018	Cable, pump, 10' _____	\$89.06
18019	Cable, pump, 30' _____	\$199.35
18026	Drawn Left/Right Branch Harness, 2-Section, DrillMaster™ _____	\$184.14
18031	^Hydraulic Motor Cross Port Plug (replaces shutoff valve on motor for PWM control) _____	\$101.03
18034	Adapter Cable, EMD enable for SprayMate™ II (enable signal when all sections are off) _____	\$120.66
18041	Radar Adapter for in-cab John Deere® 1-pin MP280 _____	\$34.00
18048	Y Cable, 3 Pin MP 150, 1 Shroud & 2 towers, 12", (2 - R/H switches in & 1 - out) _____	\$104.91
18072 B	Electric Motor Driver Module, 10 Amp STD _____	\$409.81
18076	Speed/Flow Sensor, Hall-effect w/ Cannon connector, Hiniker _____	\$150.73
18078	^FM2000 P, 19-198 GPM, 285 PSI, M200 flange, SS & ceramic _____	\$1,590.00
18080	System Manual, Twin Pump™ Controller _____	\$16.00 NET
18098	Calibration Lockout Key, set of two, RoadMaster™, SprayMate™ Plus _____	\$4.91 NET
18104 C	Electric Motor Driver Module, 10 Amp PWM _____	\$409.81
18105	Adapter Cable for old style polmac square wave sensor, MP shroud, 3' _____	\$198.88
18108	Electric Motor Driver Kit, PWM, 10 Amp _____	\$599.00
18111	Shroud, w/ jumper wire, 2-Pin WP, female _____	\$15.99
18137	Power Cable, 3-pin WP, 10 Amp fuse, 20' _____	\$150.93
18154 A	FlowMate™ Console _____	\$498.00
18155 B	Power Cable, 2-pin WP, 10' _____	\$49.32
18157	Fuse & Terminal Kit, 1 Amp _____	\$16.89
18177	^MM238, 12 to 238 GPM, 290 PSI, 2" MPT, PP & SS _____	\$1,637.91
18183	Heat Exchanger, Liquifier, Liquifier Max , 1 1/2" MPT _____	\$2,776.42
18185	^Servo Valve, NH3, Liquifier Max, 1 1/2" _____	\$1,785.19
18186	^Shutoff Valve, Liquifier Max, NH3, 1 1/2" _____	\$1,785.19
18187 A	^Servo Valve, NH3, Liquifier, 1" _____	\$1,505.94
18188	Hose Barb, 1/4" x 3/8" orifice, (3/64) _____	\$16.14
18205	Flow Sensor for FM2000 and FM3000 polmac flowmeters _____	\$530.21
18209	System Manual, SprayMate™ Plus, (prior to 2014) _____	\$16.00 NET
18221	Elbow, 3/4" MPT x 3/8", nylon _____	\$11.11
18222	Elbow, 1/4" x 1/4", nylon _____	\$11.11

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18229	^FM3000 P, 40-396 GPM, 285 PSI, 3" MPT, SS & ceramic	\$2,089.00
18264	Servo Branch Harness, AgLeader® Direct Command™ Flow	\$245.12
18265	7-Boom Branch Harness, AgLeader® Direct Command™ Flow	\$305.45
18267	Relay, 50A 12v SPST, SprayMate™ II fertilizer kit	\$78.43
18279	Astro™ Adapter, 3-pin MP to Raven/Dickey JOHN®/Amp Y-cable	\$166.94
18280	Harness, flow, control, boom, WPS-PGS, SprayMate™ Plus	\$340.43
18287	Cable, 3-pin WPS to WPS adapter, (converts a WP output from a tower to a shroud)	\$50.55
18288	Extension Cable, 2-pin MP 280, 5'	\$92.26
18289	Extension Cable, 2-pin MP 280, 15'	\$166.26
18290	Extension Cable, 2-pin MP 280, 25'	\$240.10
18294 D	DirectConnect™ Liquid Fertilizer Cable for Case IH® AFS Pro 600/700, liquid, 10'	\$284.00
18302	Strainer, w/ magnet assembly, NH3, 1 1/2"	\$427.80
18319	Radar Adapter for in-cab Case IH® MX (Britax)	\$160.00
18324	Main Branch Harness for Topcon	\$712.12
18325	Harness, speed/flow with servo/pressure, Topcon	\$369.72
18326	DirectConnect™ Harness, 1-6 sections	\$376.26
18327	DirectConnect™ Harness, 7-10 sections	\$331.88
18328	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1 section, liquid/NH3, 7'	\$449.00
18329	Main Branch Harness, Trimble®, 1 section	\$624.32
18330	Branch Cable, Trimble®	\$357.77
18348	Poppet Valve Assembly	\$207.61
18349	DirectConnect™ Trimble® Field IQ™ Harness Kit, liquid, 1-6 sections, 7'	\$764.00
18350	*DirectConnect™ Trimble® Field IQ™, Harness Kit, liquid, 1-12 sections, 7'	\$980.00
18384	Electric Motor Driver Module, 40 Amp STD 	\$848.99
18385	Electric Motor Driver Module, 40 Amp PWM 	\$848.99
18413	Boom Y cable, MT-3405™ series	\$200.00
18419 A	Power Cable, 2-pin MP 480 Power, 20' w/ 40 Amp fuse	\$257.34
18420	Motor Lead , 2-pin MP 480, 4'	\$75.83
18421 A	Extension Cable, 2-pin MP 480, 20'	\$227.00
18422	Y Cable, 2 Pin MP 480, 1 Shroud & 2 towers, 2', (40 Amp EMD dual motor)	\$139.00
18436 A	Extension Cable, 2-pin MP 480, 15'	\$184.76
18448	^MM3, .13 to 2.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18449	^MM5, .3 to 5 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18450	^MM13, .6 to 13 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18451	^MM26, 1.3 to 26 GPM 290 PSI, 1" FPT, PP & SS	\$2,165.72
18452	^MM53, 2.6 to 53 GPM, 290 PSI, 1" FPT, PP & SS	\$2,165.72
18453	^MM106, 5 to 106 GPM, 290 PSI, 1 1/2" FPT, PP & SS	\$2,165.72
18454	^MM158, 8 to 158 GPM, 290 PSI, 2" MPT, PP & SS	\$2,165.72
18456	DirectConnect™ Main Harness for GreenStar™ Rate Controller	\$509.00
18457 A	DirectConnect™ Control/Flow for GreenStar™ Rate Controller, 1 section	\$340.00
18458	DirectConnect™ Master/Relief/Agitation Cable for GreenStar™ Rate Controller, liquid/NH3	\$272.00
18459	^KZ Shutoff Valve Actuator, NH3, 1", 1 1/2"	\$860.83
18465	Heat Exchanger, Liquifier Junior, ultra low rate	\$2,776.40
18473	SafeGuard™ Console	\$1,194.00
18488	Cap, PP, w/ SS U-clip, no threads	\$7.65
18489	Plug, PP, FKM (Viton® type) o-ring, no threads	\$7.65
18493	Tee, PVC, w/ SS U-clip, FKM (Viton® type) o-ring	\$19.15
18510 C	U-clip, SS	\$2.45
18511	Sensor Cartridge, SafeGuard™, HDPE, green	\$4.34 NET
18514	Cartridge Retainer Clip	\$4.22
18515	Plug, PP, FKM (Viton® type) o-ring, 1/4" FPT	\$7.65
18516	Plug, PP, FKM (Viton® type) o-ring, 3/8" FPT	\$7.65
18517	Plug, PP, FKM (Viton® type) o-ring, 3/4" FPT	\$7.65
18521	O-ring, FKM (Viton® type)	\$10.00
18524	Cap, PP, w/ SS U-clip, 3/4" FPT	\$7.65

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18525	Extension Cable, 6-pin MP150, w/ twisted pair, 15'	\$153.06
18529 A	Run/Hold Sensor Kit, whisker switch, (no magnetic mount)	\$309.85
18530 A	Magnet Mount for Implement Whisker Switch	\$136.32
18532 A	Harness, flow, control, boom, WPT-PGS, SprayMate™ Plus	\$340.43
18541	Run/Hold Sensor Kit, whisker switch w/ magnetic mount, 10' extension cable	\$385.12
18555	Heat Exchanger, Liquifier Junior	\$2,776.40
18599 A	FM750 LF SS, 1 - 9 gpm, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,084.00
18602	Astro™ Adapter, 3-pin MP to 3-pin MP/Dickey JOHN®/AMP Y-cable	\$166.94
18620	Cap, PP, w/ SS U-clip, 3/4" straight hose barb	\$7.65
18621	Cap, PP, w/ SS U-clip, 1" straight hose barb	\$7.65
18622	Plug, PP, FKM (Viton® type) o-ring, 3/4" straight hose barb	\$7.65
18623	Plug, PP, FKM (Viton® type) o-ring, 1" straight hose barb	\$7.65
18624	Plug, PP, FKM (Viton® type) o-ring, 3/8" hose barb w/ 90° elbow	\$7.65
18625	Plug, PP, FKM (Viton® type) o-ring, 1/2" hose barb w/ 90° elbow	\$7.65
18626	Plug, PP, FKM (Viton® type) o-ring, 1/4" John Guest w/90° elbow	\$16.92
18627	Plug, PP, FKM (Viton® type) o-ring, 3/8" John Guest w/ 90° elbow	\$17.31
18653	SafeGuard™ Sensor Mounting Spacer	\$4.55
18654	Connector Replacement Kit, 2-Pin MP 480, w/ both halves, pins and seals	\$49.19
18664	Adapter Cable, Raven flowmeter interface to MT, no regulator, 18"	\$153.87
18667	Dust Cover, 6-pin RCPTCL	\$12.75
18670	Plug, PP, FKM (Viton® type) o-ring, 5/16" John Guest w/ 90° elbow	\$18.47
18675 B	Control Branch Harness, RateKing™, 10'	\$396.19
18676 B	Control Branch Harness, RateKing™ Dual Plus Channel 2, 10' Dual Plus Channel 2 Harness	\$293.12
18687	Sensor Cartridge, SafeGuard™, PP, pink	\$4.34 NET
18688	Sensor Cartridge, SafeGuard™, HDPE, orange	\$4.34 NET
18689	Sensor Cartridge, SafeGuard™, HDPE, yellow	\$4.34 NET
18691	Sensor Cartridge, SafeGuard™, HDPE, blue	\$4.34 NET
18692	Sensor Cartridge, SafeGuard™, HDPE, red	\$9.19 NET
18693	Sensor Cartridge, SafeGuard™, HDPE, brown	\$7.28 NET
18694	Sensor Cartridge, SafeGuard™, HDPE, grey	\$7.28 NET
18695	Sensor Cartridge, SafeGuard™, HDPE, white	\$11.32 NET
18700 C	SprayMate™ Plus Console	\$1,573.00
18701 B	RateKing™ Plus Console, 5 section	\$1,899.00
18702 A	RateKing™ Dual Plus Console, 5 section	\$3,267.00
18715 A	RateKing™ Plus Console, 3 section	\$1,899.00
18716 C	RateKing™ Plus Console, 7 section	\$2,236.00
18717 A	RateKing™ Dual Plus Console, 3 section	\$3,267.00
18718 A	RateKing™ Dual Plus Console, 7 section	\$3,775.00
18721	SafeGuard™ Sensor Bracket	\$13.05
18722	Connector Replacement Kit, 2-Pin MP 280, w/ both halves, pins and seals	\$30.08
18754	Single Pressure Sensor Cable, Plus Series, 15'	\$105.06
18755	Dual Pressure Sensor Cable, Plus Series, 15'	\$185.93
18756	Extension Cable, 6-pin MP 150, 10'	\$112.78
18757	Pressure Sensor only, 150 PSI, 4 to 20mA	\$292.63
18758	Pressure Sensor only, 300 PSI, 4 to 20mA	\$292.63
18764	Pressure Harness Kit, single, w/ 15' sensor cable, 10' extension cable	\$156.87
18765	Pressure Harness Kit, dual, w/ 15' sensor cable, 10' extension cable	\$292.63
18767	Adapter Cable, power/master switch, MT-NH3™	\$84.62
18770 A	System Manual, SprayMate™ Plus, (2014 to current)	\$16.00 NET
18774	Radar Adapter for in-cab Case IH® FMX	\$160.00
18775	^KZ Servo Valve Actuator, NH3, 1", 1 1/2"	\$938.38
18777	Harness Adapter Cable, SprayMate™ Plus Console to SprayMate™ II	\$105.32
18781-P B	FM270 P LF, .5-15 GPM, 225 PSI, M200 flange, PP, SS, & Hastelloy	\$614.00
18797 C	SafeGuard™ ISOmod™ Module	\$931.21
18802 A	Power Cable, 15 Amp fuse, 15'	\$362.37

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18819	Section Branch Harness, 5 section, WPT-PGS, 10'	\$299.83
18820	Section Branch Harness, 7 section, WPT-PGS, 10'	\$343.27
18823	Extension Cable, 6-pin MP 150, 5'	\$71.42
18824	Extension Cable, 6-pin MP 150, 15'	\$133.48
18825	Extension Cable, 6-pin MP 150, 20'	\$187.95
18826	Extension Cable, 6-pin MP 150, 25'	\$196.44
18827	Extension Cable, 2-Pin MP 480, 5'	\$148.04
18828	Extension Cable, 2-Pin MP 480, 10'	\$169.10
18829	Extension Cable, 2-Pin MP 480, 25'	\$228.67
18830	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 5'	\$167.47
18831	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 10'	\$218.00
18832	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 15'	\$255.49
18833	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 20'	\$299.71
18834	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 25'	\$343.66
18835	Extension Cable, 7-Pin MP 150/480, 2-12 & 5 -20 gauge, 50'	\$563.80
18836 B	System Manual, RateKing™ Dual Plus	\$15.69 NET
18844	System Manual, SafeGuard™ ISOmod™	\$16.00 NET
18851	Adapter Cable, TeeJet® flow sensor (adapts a Teejet® flow sensor to MT flow input)	\$83.72
18864 A	System Manual, RateKing™ Plus	\$16.00
18872	Section Branch Harness, 3 section, WPT-PGS, 10'	\$261.77 NET
18893	^MM2, .08 to 1.6 GPM, 290 PSI, 3/4" FPT, PP & SS	\$2,165.72
18894 B	ISOBUS Tap Cable, 6-pin MP 150	\$269.00
18895 C	ISOBUS Tap Cable, 12-pin Ampseal, John Deere®	\$269.00
18896 B	ISOBUS Tap Cable, 4-pin Delphi MP 630, Great Plains/Dickey JOHN®	\$269.00
18897 B	ISOBUS Tap Cable, 8-pin GT280, Case IH®	\$269.00
18924 B	Electric Motor Driver Module, 10-Amp PWM w/ enable	\$413.91
18925	Electric Motor Driver Module, 40-Amp PWM w/ enable 	\$855.27
18927	Splitter Cable, PWM, runs up to 3 EMD's	\$113.89
18928	Secondary Pump Enable Relay Cable using a Multifunction Output	\$291.88
18941	Motor Lead, 2-pin WP, 4'	\$40.12
18944	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DTM	\$269.00
18945	Tap Cable (in-cab) Kit, w/ power cable, Deutsch DT	\$361.00
18950	Tap Cable (in-cab) Kit, w/ power adapter, Deutsch DT	\$361.00
18955	Adapter Cable Kit, ECU power	\$169.00
18963	O-ring, orifice plate	\$1.91
18967	Terminator Cable, w/TBC Plug, Deutsch DT	\$211.21
18968	Terminator Cable, w/TBC Plug, Deutsch DTM	\$235.00
18982	Power Cable, w/ 5A fuse kit, 10'	\$57.46
18985	Pressure Gauge Bracket, MC-10, (Deep Back, No Gauge)	\$72.56
18990 C	Relay Module, dual relays	\$383.02
18996	O-Ring, FM750 GFN LF insert	\$2.11
19016	Adapter Cable, 3-pin WPS section to 2-pin WPT solenoid	\$38.61
19017	Tee, PP, w/ SS U-clip, FKM (Viton® type) o-ring, fumigant compatible	\$19.15
19023	Electric Motor Driver Module, 40-Amp STD, Anderson (Not for standard Micro-Trak systems)	\$945.36
19024	Electric Motor Driver Module, 40-Amp PWM, Anderson (Not for standard Micro-Trak systems)	\$945.36
19059	Flange Gasket and Clamp Kit, 2", (2 ea.)	\$55.82
19060	Sensor Cartridge, SafeGuard™, HDPE, black, high range, fumigant compatible	\$4.34 NET
19087	Relay Module, single relay	\$279.69
19088	Adapter Cable, PWM hydraulic control, 3-Pin WP tower to 2-Pin Deutsch DT06-2S, 6"	\$59.73
19093	Servo Valve, 1" butterfly, Viton® o-rings, 150 PSI	\$451.00
19094	Servo Valve, 1" high pressure butterfly, Viton® o-rings, 300 PSI	\$525.00
19095	Servo Valve, 1" butterfly, aqueous ammonia, EPDM o-rings, 150 PSI	\$451.00
19096	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, Viton® o-rings, 150 PSI	\$631.00
19097	Servo Valve, M200 flanged or 1 1/2" FPT, 1.5" butterfly, Viton® o-rings, 150 PSI, M200	\$631.00
19098	Servo Valve, M200 flanged or 1 1/2" FPT, 1" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00

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19099	Servo Valve, M200 flanged or 1 1/2" FPT, 1 1/2" butterfly, aqua ammonia, EPDM o-rings, 150 PSI	\$631.00
19101 B	Servo Valve, NH3, Liquifier Junior, ultra low rate, 3/4" x 1"	\$1,613.00
19102 B	Servo Valve, NH3, NH3500, 3/4" x 1"	\$1,593.00
19103 B	Servo Valve, NH3, Liquifier Junior, 1" x 1"	\$1,561.00
19104 B	Liquid Servo Valve Replacement Powerhead (Viton), 2016-current	\$427.00
19170	Power Fuse Holder Kit, 30A	\$73.93
19295	Power Cable, 2-pin MP 480, 30'	\$237.74
19313 A	Extension Cable, 16-pin GT, 5'	\$197.59
19314 A	Extension Cable, 16-pin GT, 10'	\$299.75
19315 A	Extension Cable, 16-pin GT, 15'	\$402.22
19316 A	Extension Cable, 16-pin GT, 20'	\$508.73
19317 A	Extension Cable, 16-pin GT, 30'	\$713.37
19318 A	Extension Cable, 16-pin GT, 40'	\$917.89
19319 A	Extension Cable, 16-pin GT, 50'	\$1,122.54
19347	Extension Cable, 2-pin MP 480, 40'	\$374.77
19348	Extension Cable, 2-pin MP 480, 50'	\$402.99
19425 A	Flow Sensor Cable, FM250 P, 1' w/3-Pin M/P Shroud	\$345.94
19444	Power Cable, 15'	\$104.77
19503 B	Liquid Servo Valve Replacement Powerhead, aqueous ammonia w/EPDM o-rings, 2016-current	\$427.00
19505 A	NH3 Servo Valve Replacement Powerhead, 2016-current	\$570.00
19507	Pressure Sensor Extension Cable, 50'	\$225.41
19508	Pressure Sensor Extension Cable, 25'	\$132.00
19603 B	System Manual, Dual ISOmod™	\$16.00 NET
19604 A	Bulkhead Harness, Dual ISOmod™, 2'	\$736.74
19605 A	Branch Harness, Dual ISOmod™, Channel 1, 10'	\$345.44
19606 A	Branch Harness, Dual ISOmod™, Channel 2, 10'	\$347.00
19609	Liquifier Junior Upgrade Kit	\$76.75
19616 B	Extension Cable, 6-pin Amphenol twisted pair, 5'	\$97.42
19617 B	Extension Cable, 6-pin Amphenol twisted pair, 10'	\$132.98
19618 B	Extension Cable, 6-pin Amphenol twisted pair, 15'	\$169.30
19619 B	Extension Cable, 6-pin Amphenol twisted pair, 20'	\$205.64
19620 B	Extension Cable, 6-pin Amphenol twisted pair, 25'	\$241.97
19621 B	Extension Cable, 6-pin Amphenol twisted pair, 30'	\$278.32
19624 B	Adapter, 6-pin, M/P150 to Amphenol twisted pair, 15'	\$153.05
19625 A	Implement Switch Module, SafeGuard™, w/long Amphenol	\$324.08
19667 A	Dual ISOmod™ Module	\$2,237.00
19669	Branch Harness, Dual ISOmod™, 6 section, 10'	\$349.00
19670	Branch Harness, Dual ISOmod™, 12 section WPT-PGS, 10'	\$631.00
19676 A	Adapter, 6-pin, M/P150 to Amphenol twisted pair, 25'	\$222.99
19681 A	Terminator, 6-pin, Amphenol tower	\$32.88
19682 A	Terminator, 6-pin, Amphenol shroud	\$23.26
19688	Tower Dust Cover, 6-pin Amphenol, male	\$18.79
19689	Shroud Dust Cover, 6-pin Amphenol, female	\$12.75
19690	Harness, SafeGuard™ ISOmod™, w/ Amphenol	\$832.04
19693 A	Connector Replacement Kit, 6-pin Amphenol, w/ SafeGuard™ Sensor	\$56.32
19694 B	Extension Cable, 6-pin Amphenol twisted pair, 2.5'	\$78.86
19700 C	IBIC Breakaway Implement Cable, w/ power connection, 10'	\$876.00
19703	Shroud Dust Cover, 16-pin GT, female	\$22.68
19713	Master Valve Cable, Trimble® Field IQ™, 7'	\$154.96
19721	DirectConnect™ Harness Kit for Trimble® Field IQ™, 1-6 sections, NH3, 7'	\$906.00
19722	*DirectConnect™ Harness Kit for Trimble® Field IQ™, 1-12 section, NH3, 7'	\$1,117.00
19727	DirectConnect™ Adapter Cable, TeeJet® ASC to RateKing™	\$565.00
19731	Adapter Cable, 2-pin PWM, control signal reversal adapter	\$31.55
19745	Extension Cable, M/P 480 2-Pin, 30'	\$249.25
19749	Section Relay Module Enable	\$94.38

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19770	Adapter Kit, 2" full port Banjo flange, for mag. fl. kits 01826, 01827	\$40.74
19771	Adapter Kit, 2" STD port Banjo flange, for mag. fl. kit 01901, 01821, 01822, 01823, 01824, 01825	\$47.54
19774	ISOBUS Extension Cable, 6-pin MP 150, 5'	\$222.88
19775	ISOBUS Extension Cable, 6-pin MP 150, 10'	\$244.45
19776	ISOBUS Extension Cable, 6-pin MP 150, 20'	\$287.48
19777	ISOBUS Extension Cable, 6-pin MP 150, 30'	\$330.63
19778	ISOBUS Extension Cable, 6-pin MP 150, 40'	\$373.80
19795	Bearing Assembly Rebuild Kit w/ ruby balls for FM750 SS NH3, w/ turbine	\$320.60
19797 A	FM750 LF SS for NH3, 1 - 9 GPM, 500 PSI, 3/4" FPT, SS & Hastelloy	\$1,308.88
19798	FM1500 SS for NH3, 10-130 GPM, 500 PSI, 1 1/2" FPT, PP & Hastelloy	\$1,737.50
19799 A	FM1500 SS LF for NH3, 3.5-70 GPM, 500 PSI, 1 1/2" FPT, SS & Hastelloy	\$1,808.31
19811	NH3 Servo Valve Replacement Powerhead, retrofit 2005 model	\$570.00
19813	Bearing Assembly Rebuild Kit w/ ruby balls for FM1500 SS NH3, w/ turbine	\$326.96
19823	Tower Dust Cover, 16-pin GT, male	\$36.80
19824	Shroud Dust Cover, 2-pin MP 480, female	\$27.23
19825	Tower Dust Cover, 2-pin MP 480, male	\$23.18
19828	^MM106FL, 5 to 106 GPM, 290 PSI, M220 flange, PP & SS	\$2,165.72
19830	System Manual, Flo-Pro™	\$15.99 NET
19834	Branch Harness, 10'	\$349.69
19835	Power Cable, 10'	\$83.66
19836 B	Flo-Pro™ Console	\$1,224.00
19837 A	Adapter Cable, pre-2017 sensors, JWPf Tower to Amphenol Shroud	\$19.00 NET
19838 A	Adapter Cable, pre-2017 sensors, JWPf Shroud to Amphenol Tower	\$19.00 NET
19857	ISOBUS Tap Cable Kit, w/ 6-pin MP150, 18894 and 18955 ECU power adapter cable	\$361.00
19862	System Manual, RateKing™ XRS	\$15.99 NET
19876	Relay Module	\$119.19
19877	Flo-Pro™ Relay Kit, 15 Amp max	\$262.00
19882	Trailer Branch Harness, RateKing™ XRS, 15'	\$1040.90
19883	Tractor Harness, RateKing™ XRS, 5'	\$433.89
19884 C	RateKing™ XRS Console	\$2,779.00
19897	Adapter Cable, PWM hydraulic control, 3-Pin WP tower to 2-Pin Deutsch DT06-2S, 10'	\$72.01
19905	Adapter Cable, MT to Raven NH3 fast valve, 7"	\$288.79
19906	Adapter, 3-pin MP to Raven/Conxall (Astro™/radar speed to Raven, MT console to Raven Fast Valve), 7"	\$96.00
19907	Adapter Cable, MT to Raven NH3 fast valve AND Raven NH3 shut-off, 7"	\$434.94
19922 A	Adapter Cable, CPC female connector, SprayMate™ Plus to Raven 440, 10'	\$276.57
19928	Sensor Cartridge, SafeGuard™, HDPE, black, w/range extender, low range, fumigant compatible	\$12.52 NET
19951	Adapter Cable, USB to RS232	\$111.61 NET
19952	M12 Adapter Cable, WPS-PGS	\$145.45
19954	M12 Adapter Cable, MPS-PGS	\$142.77
19955 D	SprayMate™ XRS Console	\$1,966.00
19958 A	Control Branch Harness, SprayMate™ XRS, 15'	\$579.87
19959 A	System Manual, SprayMate™ XRS	\$15.69 NET
19960 A	Console Quick Mount kit, SprayMate™ XRS or any black plastic consoles	\$110.84
19963	Secondary Pump Enable Cable using Multifunction Output, includes 18928 & 18420 lead	\$371.00
19978 A	Cable, RateKing™ Plus to Raven Console	\$754.84
19979 A	Cable, RateKing™ Dual Plus to Raven Console	\$959.94
20182	FM500 Rotor, PP, w/ Nivapoint Shaft	\$120.67
20268	Adapter Cable for old style polmac analog sensor, WP shroud, 3'	\$198.88
20290	Strainer Assembly	\$408.00
20365	Strainer Assembly, NH3500	\$366.90
20486	Tubing, NH3500, 3/8" EVA	\$3.78
21612 B	Multi Section Module, DrillMaster™	\$620.52
21691 A	^KZValve®, 1", body only	\$630.00
21778	Run/Hold Switch Assembly, SprayMate™ Plus, RoadMaster™, DrillMaster™	\$168.88
21779	Power Switch Assembly for consoles	\$122.18

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^One year warranty

INDEX BY PART NUMBER

21963	Run/Hold Switch Assembly, SprayMate™ II, MT-NH3™ II, GSC-1000™	\$196.79
21993	Cartridge Range Extender	\$19.57
22032	FM250 P, .08 to 1.6 GPM, 290 PSI, 1/4" NPT and 1/2" HB, IXEF & SS	\$668.00
50052 A	Instruction Sheet, 7 section Parallel Boom Cable	\$8.94 NET
50173	Safety Manual, NH3	\$15.99 NET
50209	Instruction Sheet, Shaft-Trak™	\$8.94 NET
50236	Instruction Sheet, MC-25 Manual Controller	\$8.94 NET
50268	Instruction Sheet, Vansco® Radar	\$8.94 NET
50271	Instruction Sheet, MT-3407 F™ II	\$8.94 NET
50279	Instruction Sheet, Raven 440/450 NH3 DirectConnect™	\$8.94 NET
50291	Instruction Sheet, Raven 440/450 Liquid DirectConnect™	\$8.94 NET
50314	Instruction Sheet, Ag Leader® Insight Liquid DirectConnect™	\$8.94 NET
50318	System Manual, DrillMaster™	\$15.99 NET
50328	Instruction Sheet, Ag Leader® Insight NH3 DirectConnect™	\$8.94 NET
50332	Instruction Sheet, MC-10 Manual Controller	\$8.94 NET
50346	Instruction Sheet, FlowMate™	\$8.94 NET
50355	Instruction Sheet, Starter Fertilizer Pump Relay kit	\$8.94 NET
50360	Instruction Sheet, Trimble® Field-IQ™ Liquid & NH3 DirectConnect™	\$8.94 NET
50362	Instruction Sheet, 40A PWM EMD	\$8.94 NET
50368	Instruction Sheet, John Deere® GreenStar™ Liquid & NH3 DirectConnect™	\$8.94 NET
50371	System Manual, SafeGuard™ Console	\$8.94 NET
50374	Instruction Sheet, 8 GPM PWM Hydraulic Valve	\$8.94 NET
50377	Instruction Sheet, NH3500™ Low Rate Conversion kit	\$8.94 NET
50380	Instruction Sheet, Shaft-Trak™ Low RPM	\$8.94 NET
50382	Instruction Sheet, 15 GPM PWM Hydraulic Valve	\$8.94 NET
50383	Instruction Sheet, MC-10 w/Power Output	\$8.94 NET
50384 A	Instruction Sheet, 10A PWM EMD w/Enable	\$8.94 NET
50385	Instruction Sheet, 40A PWM EMD w/Enable	\$8.94 NET
50393	Instruction Sheet, Liquifier Jr. Upgrade kit	\$8.94 NET
50397	Instruction Sheet, ISOmod™ Power Switch Module kit	\$8.94 NET
50400	Instruction Sheet, ISOmod™ Magnet Mount kit	\$8.94 NET
50402	Instruction Sheet, Liquifier Max Vapor Fitting Install	\$8.94 NET
50404	Instruction Sheet, NH3 Servo Valve Gear Head Replacement	\$8.94 NET
50406 B	Instruction Sheet, SprayMate™ Plus to Raven 440 Adapter, w/CPC female connector	\$8.76 NET
50414 A	Instruction Sheet, SprayMate™ Plus™ to Raven 440 Adapter, w/CPC male (old style)	\$8.94 NET
50415 A	Instruction Sheet, Magnetic Flowmeter	\$8.94 NET
50421 A	Instruction Sheet, 25 GPM PWM Hydraulic Valve	\$8.94 NET

*NCNR

^One year warranty



NOTES



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