



2024 Price Book

**Simple, affordable in-furrow liquid
flow monitoring that just works.**

KNOW YOUR
FLOW
ON EVERY
ROW

OnSiteFMS.com

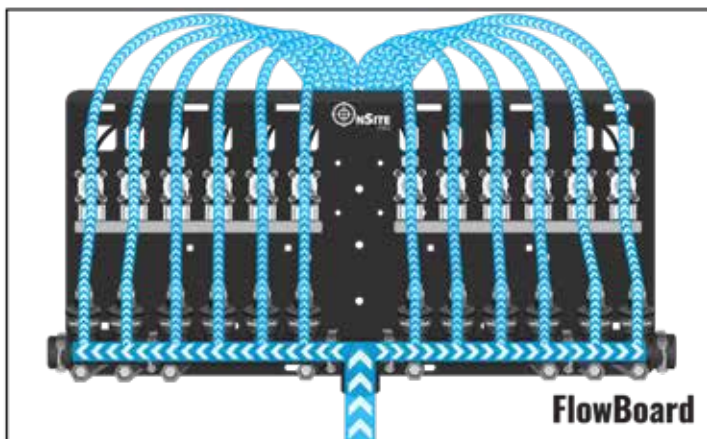


**KNOW YOUR FLOW
ON EVERY ROW**

SIMPLE FLOW MONITORING **THAT WORKS.**

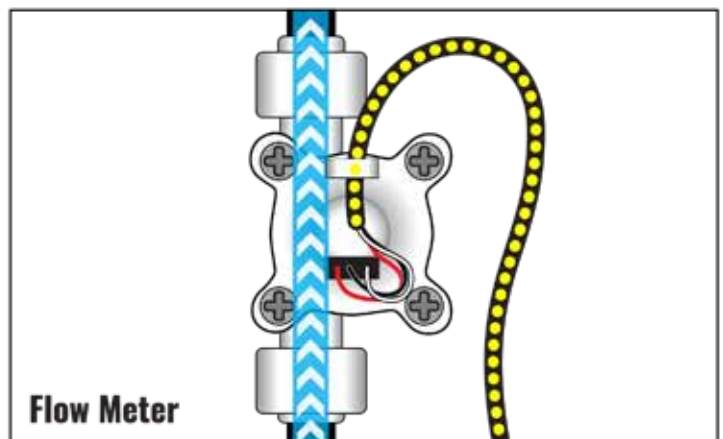
FlowBoards divide pressurized liquid out for each row.

FlowBoards are the backbone of Onsite FMS+. They hold the manifolds, flow meters, mounting brackets, and modules for the entire system.



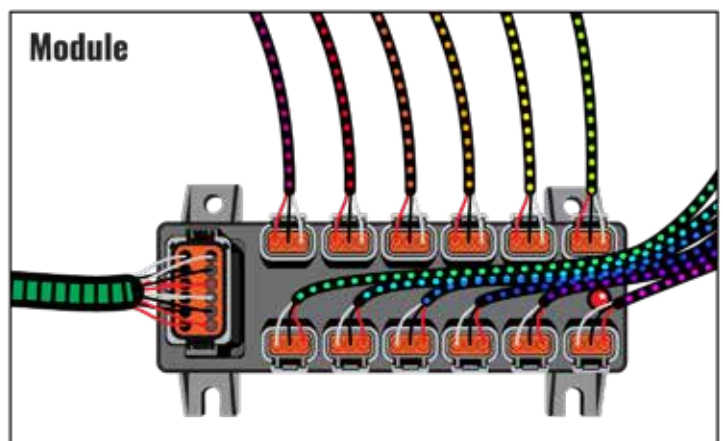
Flow meters capture real time flow rates on each row.

Onsite FMS+ uses electronic flow meters directly after the manifold to get extremely accurate flow rates on each row of your planter.



Real-time flow rate data is shown on your screen.

The large 7" touchscreen displays each row's performance in an easy-to-read bar graph with target rates and section performance data.



Flow meter data is processed by the OnSite FMS Module.

Onsite FMS+ Module takes in flow rate data from each row, processes it and sends an aggregated signal to the OnSite FMS+ monitor.



Simple Software

- A** - Flow rate of each row in the system
- B** - Green lines show module flow rates
- C** - Red line indicates target application rate
- D** - Black lines show programmed sections
- E** - Real time average for each module
- F** - Target rates for Products 1 & 2
- G** - Switches display between Products 1 & 2
- H** - Current speed / test speed

Easy to Read. Easy to Use.

Onsite FMS+ will be your favorite software in your tractor. Our big easy to read bar graph gives you a **perfect map of your liquid system**. You can watch which rows are plugging up and which rows are over-applying product in real time, allowing you to make adjustments before small issues become big problems that impact emergence.

Singular Focus.

Onsite FMS+ only monitors application rates. This singular focus allows us to **avoid compromises** that make most monitors so difficult to read and use.

OnSite FMS+ is designed from the ground up to be simple, intuitive and user-friendly. Because we know you have more important things to do than learn how to use new software.

Plug & Play Simplicity

Each Onsite FMS+ kit is **configured and tested at the factory** before we send it out to you. Just plug it in. No complex calibrations or confusing settings.

OnSite Smart Sense technology automatically connects to all your modules and even detects when sections on your planter shut off in the field without any complex interactions with your field computer. Simple. Easy. Effective.



KNOW YOUR FLOW ON EVERY ROW

Beautiful Fields. Bountiful Yields.

Uniform Application. Uniform Emergence.
Uniform Stands. Uniform Yields.

Uniform emergence is the key to a great harvest. You want each plant to emerge at the same time and grow at the same rate across your entire field. Starter and in-furrow fertilizer are the key to giving each plant that perfect boost of nutrients directly to the young roots that spurs rapid growth. But how consistently are you applying that boost to each seedling?

Rows get clogged when you are planting. You can't stop it, but you can catch it early. OnSite FMS+ allows you to see exactly how each row unit on your planter is performing in real time so you can correct small problems as they develop.

OnSite FMS+ gives you the knowledge and the tools to get the best performance from your planter and the best return on your input costs.

With OnSite FMS+, you know your flow on every row to get the best possible yield on every field.



Is in-furrow right for you?

Starter fertilizer isn't for every crop in every location. While it does help emergence and early stage growth, it doesn't always translate into obvious yield increases. Here are some reasons many farmers find it beneficial, especially on corn. *

- Creates a strong nodal root system (V2 stage on).
- Faster, more uniform emergence.
- Faster early stage growth.
- 40% bigger plants.
- Corn reaches silking faster.
- Longer grain filling period.
- 4-5 bushel per acre higher yields (on average).
- Drier grain at harvest (1.7 points on average).
- Increased resilience to late season stresses.
- Lower fertilizer costs (Use 50% less phosphorus).
- Great for course soil with low organic content.
- Allows planting in colder, wetter soil (45-55° F).
- Allows you to plant later if necessary.

* Visit OnSiteFMS.com/why-in-furrow for more information and links to research studies.



Fertilizer is expensive. Monitoring it doesn't have to be.

OnSite FMS+ provides the information you need to get the best return on your fertilizer investment.

OnSite FMS+ is a simple, affordable Flow Monitoring System for liquid on your planter. OnSite FMS+ doesn't control your planter, **OnSite FMS puts you in control of your planter** by giving you real time data on how each row of your planter is performing.

OnSite FMS+ gives you real time information on how each row is flowing. You can easily see which rows are beginning to clog and lose flow and which rows are picking up the slack and over-applying product. When you understand exactly how your planter is performing, you can make small adjustments early to keep a consistent application rates across every row of the field. When each seedling has equal access to nutrients, they all grow same rate. You get a beautiful, uniform stand and the most consistent yield from each plant across the entire field.

All this control sounds expensive, but **OnSite FMS+ is quite affordable.** The simplicity of OnSite FMS+ makes it easy to use, but also helps us keep costs down. Most farmers find that the system pays for itself the first year, and keeps performing flawlessly year after year. That's why so many customers come back every time they trade planters, many taking off a competitor's system to put OnSite FMS+ on their planter.

When you ask a farmer that uses OnSite FMS+ what they think of it, you usually get the same response.

A little smile and three words:

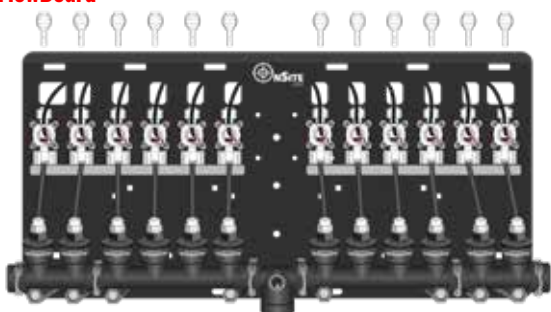
"It just works."



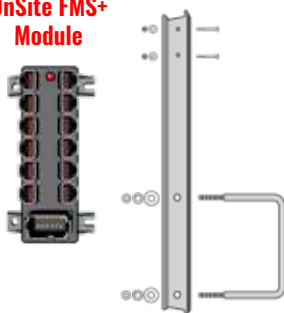
FULL PLANTER KITS



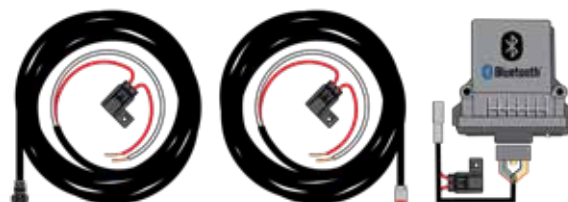
FlowBoard



OnSite FMS+
Module



Bluetooth System



Monitor



Wired System



OR

Everything you need in one convenient box.

OnSite FMS+ is a simple system with four main components. The FlowBoards that hold the flow meters, the OnSite FMS+ Module that collects and process the raw data feed, The OnSite FMS Monitor that shows you the data in your cab, and all the brackets and wire harnesses that connect the whole thing together. OnSite FMS+ kits come with everything you need for a full installation included.

Choose the kit that's right for you from our list of options on the next few pages. Each kit is grouped by the size of planter with options for the number of sections you need. If you are not running section control, we recommend choosing a kit that is designated a "Standard Configuration" as they are the simplest to install.

We have developed these kits based on hundreds of installs on just about every make and model of planter. We know what we bring to every install. It's all in the box. That being said, every planter is different. If you need longer or shorter cables, we have cables to fit any planter available on the replacement parts page.

PLEASE NOTE: OnSite FMS FlowBoard Kits are designed as a direct replacement for red ball systems. We assume you already have liquid on your planter. **Kits do NOT include** tanks, pumps, check valves, or any hoses that run into or out from the FlowBoards.

OnSite FMS+ Dual Product Systems

Onsite FMS+ was designed with dual liquid systems in mind. Each product needs it's own set of FlowBoards and OnSite FMS+ Modules, but can share everything else in the system. All FlowBoards are simply daisy chained together. The software automatically recognizes them and lets you assign which FlowBoards are for which product. Easy!

2nd Product Duplicates 1st Product	Part Number	Price
12 Row FlowBoard Assembly (3/8")	217-01-1238	\$1040
12 Row Module w/ Cable	217-01-312	\$ 825
8 Row FlowBoard Assembly (3/8")	217-01-838	\$ 720
8 Row Module w/ Cable	217-01-308	\$ 670
Module-to-Module Cable (5 foot)	215-02-005	\$ 79



First Generation OnSite FMS system shown

OnSite FMS+ FlowBoard Kit installation on a 24 row planter.

Onsite FMS+ is designed to be easy to install. Most of your kit comes pre-assembled and ready to mount to the planter. You just need to mount the components and run the wires.

1. Mount both FlowBoards to the planter's draw bar using the supplied U-bolts and mounting brackets.
2. Run your tubing out to each row and attach to the check valves. For a cleaner install, use BENCO universal check valve mounting brackets that bolt to the parallel arms.
3. Plug the Module Harnesses into the OnSite FMS+ Modules.
4. Run the Module-to-Module Cable from FlowBoard 1 to FlowBoard 2.
5. Plug in the Terminator to FlowBoard 2's Module Cable.
6. In the tractor cab, mount the display wherever convenient using the supplied RAM Mount and monitor cradle.
7. Run power to the cradle. You may hook directly to the battery or use an open accessory port in the cab. Wired system cables will continue out to the hitch.
8. Connect the system together using the method described below for your system.

WIRED SYSTEMS

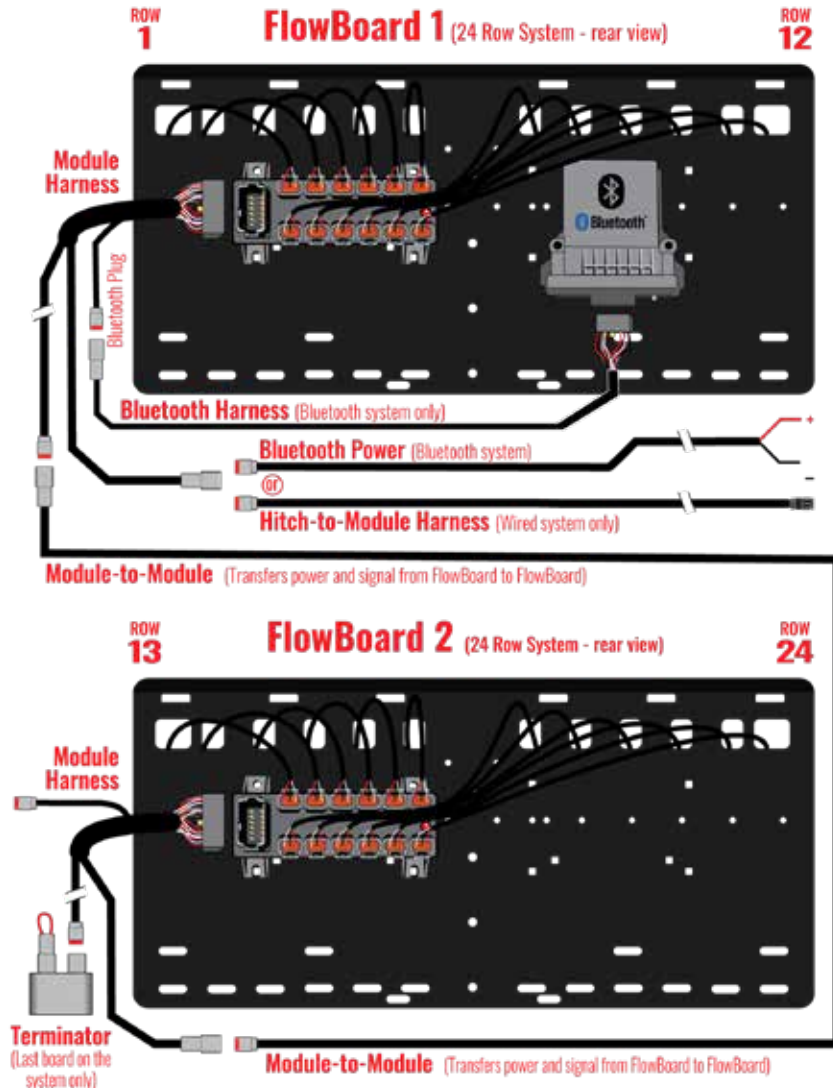
Run the supplied Display Harness from the display's cradle out to the hitch. Run the Hitch-to-Module Harness from the Module Cable to the hitch. Connect the two harnesses together at the hitch and test the system.

BLUETOOTH SYSTEMS

Nothing else has to be done in the cab. On FlowBoard 1, connect the smaller Bluetooth Plug on the Module Cable to the Bluetooth Harness and plug it into the Bluetooth Module on the back of FlowBoard 1.

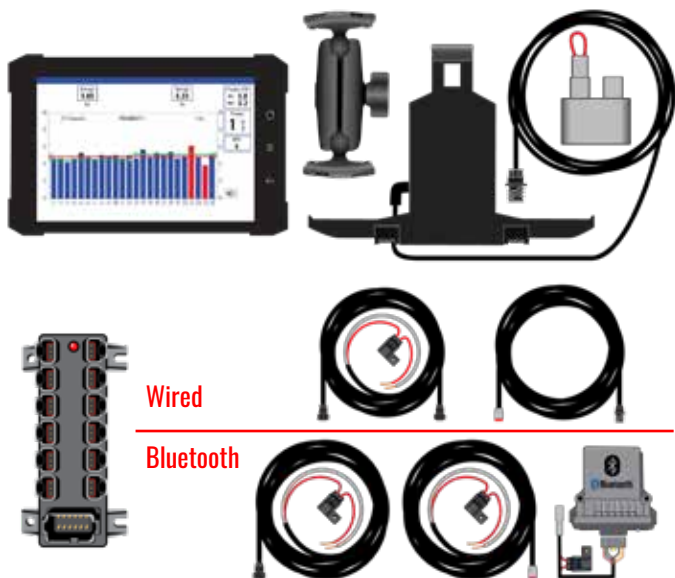
The Bluetooth Power Cable connects from the Module Harness to any 12V power source on the planter. Any accessory port or connection with constant power will work. Try to avoid stealing power from a 12V pump to avoid power fluctuations.

Once both sides of the system have power, they should find each other. Turn on the monitor and test the system.



For detailed installation instructions, visit [OnSiteFMS.com/onsite-installation](https://onsitefms.com/onsite-installation).

12 ROW PLANTER KITS



Section Control with OnSite FMS+

OnSite makes section control easy. Our kits can be ordered with preassembled FlowBoards already configured for the number of sections you are running. The only difference is the configuration of the manifolds.

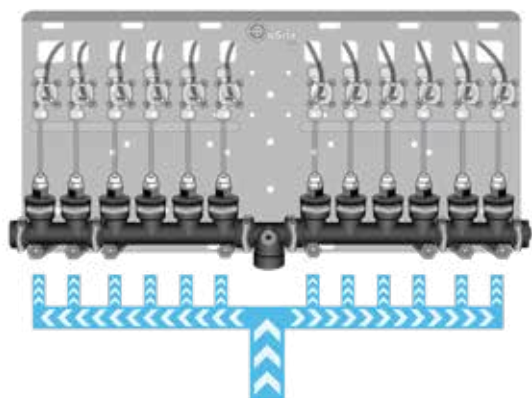
Each kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together. And of course you get the heart of the OnSite FMS+ system, the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) preassembled and ready for installation.

All you have to do is mount the FlowBoards and display to your machine, connect your hoses, and wire it together. Simple!

Choose from the standard kits below for any 12 row planter. If you need a different configuration, give us a call. We can usually configure a system to fit any need you may have.

One Section FlowBoard Kits

Standard Configuration

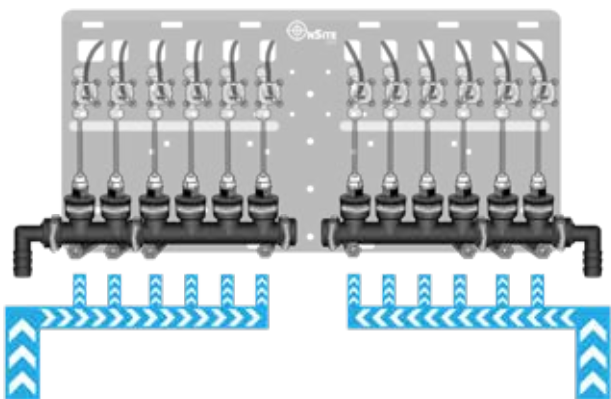


System	Part #	Price
1/4" Wired (0.08 – 0.5 GPM/row)	217-01-12R25W	\$ 3,360
1/4" Bluetooth (0.08 – 0.5 GPM/row)	217-01-12R25B	\$ 3,695
3/8" Wired (0.21 – 2.0 GPM/row)	217-01-12R38W	\$ 3,430
3/8" Bluetooth (0.21 – 2.0 GPM/row)	217-01-12R38B	\$ 3,770

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each.

3/8" flow meters have a flow rate of **0.21 - 2.0 GPM** each.

Two Section FlowBoard Kits



System	Part #	Price
1/4" Wired (0.08 – 0.5 GPM/row)	217-01-12R25W-2	\$ 3,360
1/4" Bluetooth (0.08 – 0.5 GPM/row)	217-01-12R25B-2	\$ 3,650
3/8" Wired (0.21 – 2.0 GPM/row)	217-01-12R38W-2	\$ 3,430
3/8" Bluetooth (0.21 – 2.0 GPM/row)	217-01-12R38B-2	\$ 3,770

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each.

3/8" flow meters have a flow rate of **0.21 - 2.0 GPM** each.



16 ROW PLANTER KITS

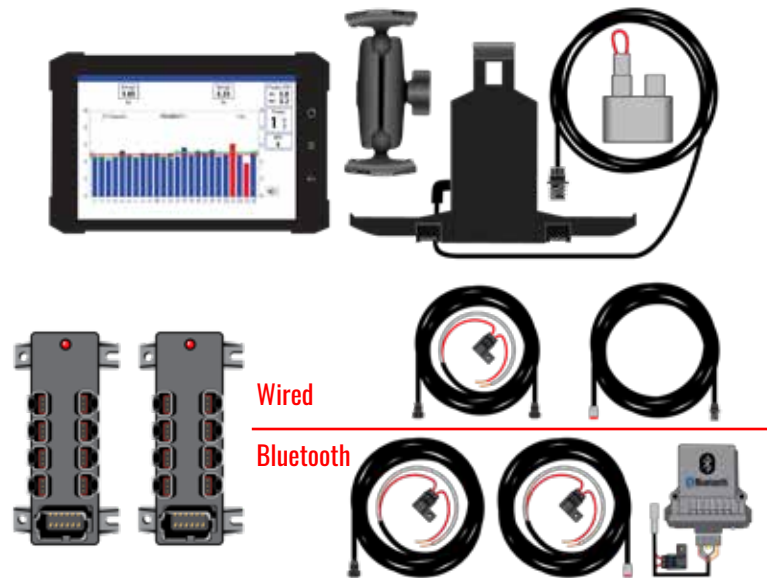
Section Control with OnSite FMS+

OnSite makes section control easy. Our kits can be ordered with preassembled FlowBoards already configured for the number of sections you are running. The only difference is the configuration of the manifolds.

Each kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together. And of course you get the heart of the OnSite FMS+ system, the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) preassembled and ready for installation.

All you have to do is mount the FlowBoards and display to your machine, connect your hoses, and wire it together. Simple!

Choose from the standard kits below for any 16 row planter. If you need a different configuration, give us a call. We can usually configure a system to fit any need you may have.

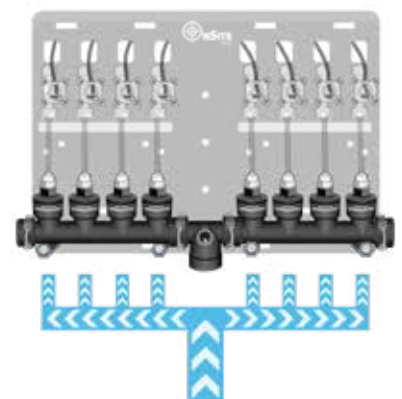
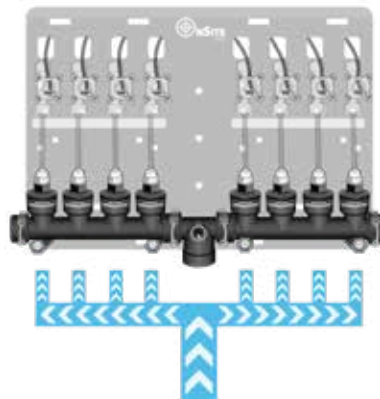


Standard Configuration

System	Part #	Price
1/4" Wired	217-01-16R25W	\$ 4,460
1/4" Bluetooth	217-01-16R25B	\$ 4,750
3/8" Wired	217-01-16R38W	\$ 4,550
3/8" Bluetooth	217-01-16R38B	\$ 4,850

1/4" flow meters have a flow rate of 0.08 - 0.5 GPM each.

3/8" flow meters have a flow rate of 0.21 - 2.0 GPM each.

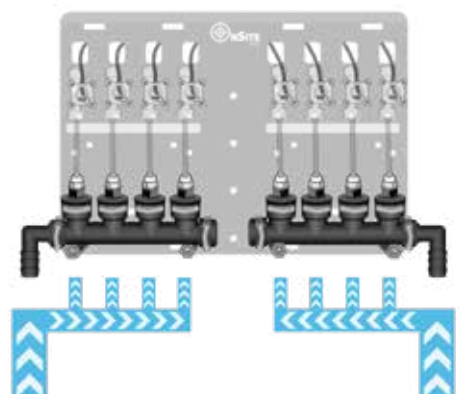
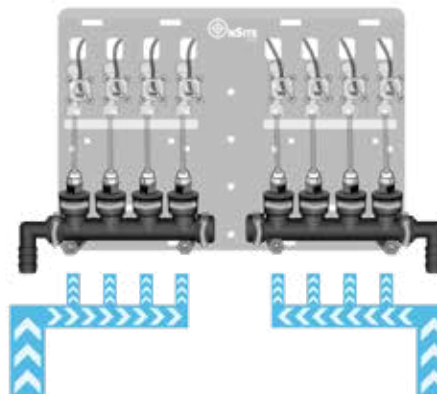


Two Section FlowBoard Kits

System	Part #	Price
1/4" Wired -	217-01-16R25W-4	\$ 4,460
1/4" Bluetooth	217-01-16R25B-4	\$ 4,750
3/8" Wired	217-01-16R38W-4	\$ 4,550
3/8" Bluetooth	217-01-16R38B-4	\$ 4,850

1/4" flow meters have a flow rate of 0.08 - 0.5 GPM each.

3/8" flow meters have a flow rate of 0.21 - 2.0 GPM each.



24 ROW PLANTER KITS



Section Control with OnSite FMS+

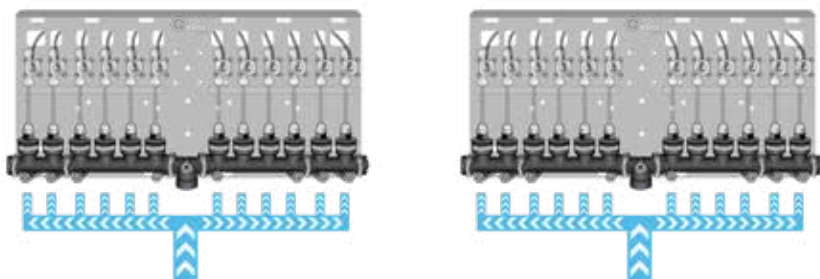
OnSite makes section control easy. Each kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together. And of course you get the heart of the OnSite FMS+ system, the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) preassembled and ready for installation.

All you have to do is mount the FlowBoards and display to your machine, connect your hoses, and wire it together. Simple!

Choose from the standard kits below for any 12 row planter. If you need a different configuration, give us a call. We can usually configure a system to fit any need you may have.

Two Section FlowBoard Kits

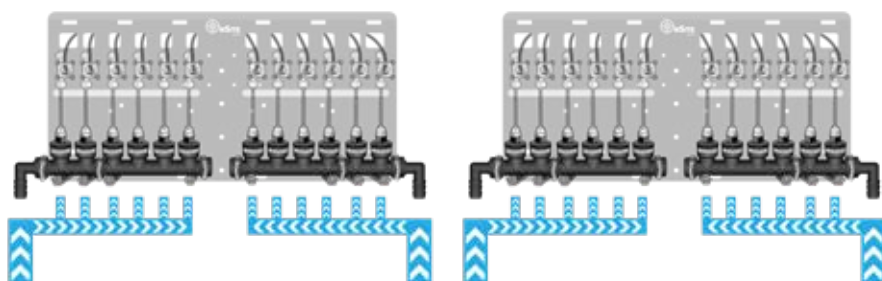
Standard Configuration



System	Part #	Price
1/4" Wired	217-01-24R25W	\$ 5,510
1/4" Bluetooth	217-01-24R25B	\$ 5,740
3/8" Wired	217-01-24R38W	\$ 5,650
3/8" Bluetooth	217-01-24R38B	\$ 5,875

1/4" flow meters have a flow rate of 0.08 - 0.5 GPM each
3/8" flow meters have a flow rate of 0.21 - 2.0 GPM each

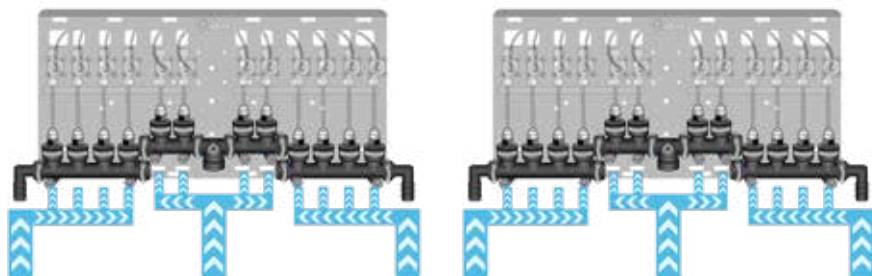
Four Section FlowBoard Kits



System	Part #	Price
1/4" Wired	217-01-24R25W-4	\$ 5,510
1/4" Bluetooth	217-01-24R25B-4	\$ 5,740
3/8" Wired	217-01-24R38W-4	\$ 5,650
3/8" Bluetooth	217-01-24R38B-4	\$ 5,875

1/4" flow meters have a flow rate of 0.08 - 0.5 GPM each.
3/8" flow meters have a flow rate of 0.21 - 2.0 GPM each.

Six Section FlowBoard Kits



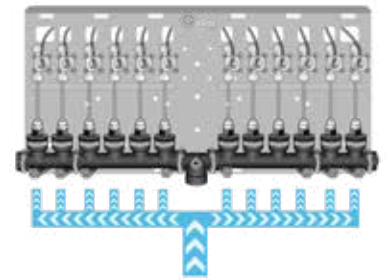
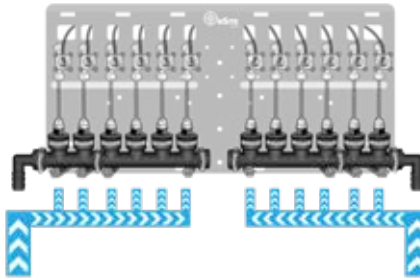
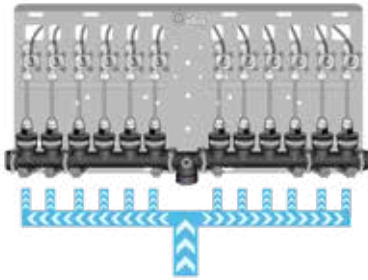
System	Part #	Price
1/4" Wired	217-01-24R25W-6	\$ 5,510
1/4" Bluetooth	217-01-24R25B-6	\$ 5,740
3/8" Wired	217-01-24R38W-6	\$ 5,650
3/8" Bluetooth	217-01-24R38B-6	\$ 5,875

1/4" flow meters have a flow rate of 0.08 - 0.5 GPM each.
3/8" flow meters have a flow rate of 0.21 - 2.0 GPM each.



36 ROW PLANTER KITS

Two Section FlowBoard Kits



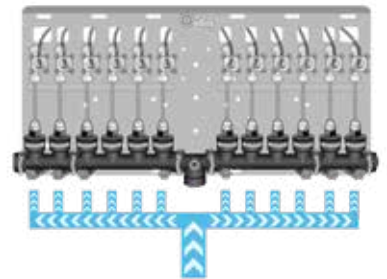
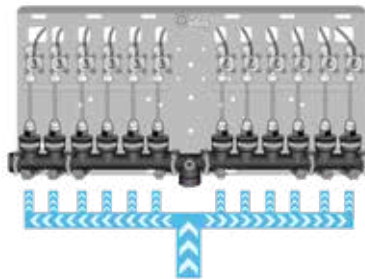
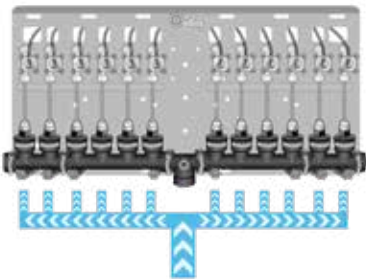
Each 36 row kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together, and the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) already mounted on the FlowBoard and ready for installation.

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each. **3/8" flow meters** have a flow rate of **0.21 - 2.0 GPM** each.

System	Part #	Price
1/4" Wired	217-01-36R25W-2	\$ 7,430
1/4" Bluetooth	217-01-36R25B-2	\$ 7,610
23/8" Wired	217-01-36R38W-2	\$ 7,640
3/8" Bluetooth	217-01-36R38B-2	\$ 7,820

Standard Configuration

Three Section FlowBoard Kits

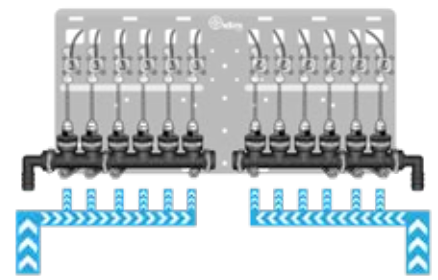
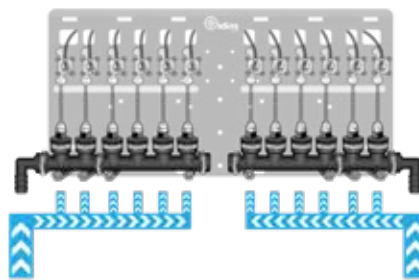
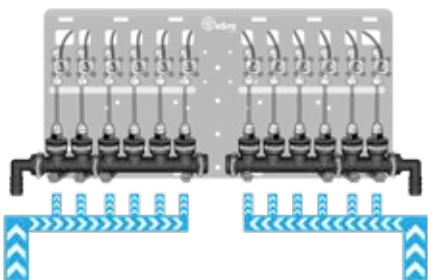


Each 36 row kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together, and the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) already mounted on the FlowBoard and ready for installation.

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each. **3/8" flow meters** have a flow rate of **0.21 - 2.0 GPM** each.

System	Part #	Price
1/4" Wired	217-01-36R25W	\$ 7,430
1/4" Bluetooth	217-01-36R25B	\$ 7,610
3/8" Wired	217-01-36R38W	\$ 7,640
3/8" Bluetooth	217-01-36R38B	\$ 7,820

Six Section FlowBoard Kits



Each 36 row kit comes with everything you need. You'll get the display kit with monitor, cradle, & RAM Mount. You will get your choice of either the Bluetooth or Wired connection kit to tie the system together, and the FlowBoard kit with mounting hardware. Each FlowBoard comes with all of the manifolds, flow meters, OnSite FMS+ Modules (and Bluetooth module if chosen) already mounted on the FlowBoard and ready for installation.

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each. **3/8" flow meters** have a flow rate of **0.21 - 2.0 GPM** each.

System	Part #	Price
1/4" Wired	217-01-36R25W-6	\$ 7,430
1/4" Bluetooth	217-01-36R25B-6	\$ 7,610
3/8" Wired	217-01-36R38W-6	\$ 7,640
3/8" Bluetooth	217-01-36R38B-6	\$ 7,820

BUILD YOUR OWN SYSTEM

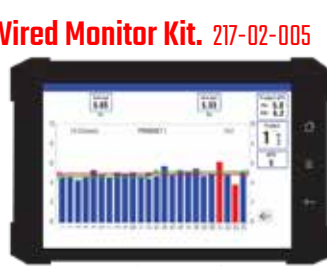


STEP 1 - Cab & Connection

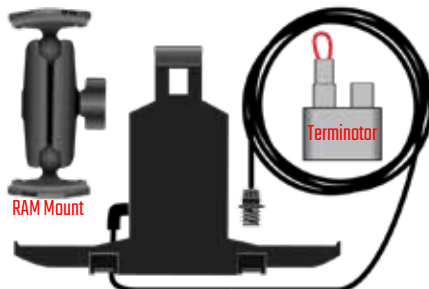
Option 1: Wired System

Wired systems are incredibly reliable, but you do have to run an extra wire out of your cab and down to your hitch. We recommend wired systems any time reliability is your primary concern or for any planter where the Bluetooth module would be mounted more than thirty feet from the monitor in the cab (often 36 row planters).

Wired Monitor Kit. 217-02-005



7" Touchscreen Monitor



Monitor Cradle with connection cable



Cradle-to-Hitch Harness



Hitch-to-Module Harness

Cable carries power and signal from the hitch back to the module on FlowBoard 1. Choose the correct length to run to FlowBoard 1. **REQUIRED**

No matter which system set up you choose, you'll need a display kit. The Wired Display Kit includes the big 7" touch screen display, RAM Mount, charging/communication cradle, and terminator plug with jumper. The included Cradle-to-Hitch cable is a generous 20' length. This cable powers the entire system from the battery or aux port, plus runs signal from the cradle down to the hitch. When combined with the Hitch-to-Module harness, these two cables provide all the power and communications between the planter and the cab.

Description	Part #	Price
Wired Monitor Kit	217-02-005	\$1,345
KIT INCLUDES 7" Monitor + RAM Mount	217-02-002	
Cradle for 7" Monitor	263-02-003	
Terminator	263-02-006	
20' Cradle-to-Hitch Harness	215-02-016	

You **MUST** choose a Hitch-to-Module Harness!

Choose a length that reaches from the connection at your hitch to FlowBoard 1.

Length	Part #	Price
15'	215-02-015	\$126
20'	215-02-022	\$135
25'	215-02-025	\$144
35'	215-02-035	\$175
50'	215-02-051	\$244
65'	215-02-065	\$280

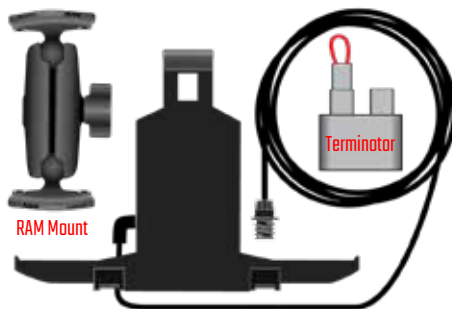
Option 2: Bluetooth System

Bluetooth systems are easy to set up with rock solid reliability. We primarily recommend these for 24 row planters and smaller due to occasional connectivity / interference issues if the module is mounted more than 30 feet away from the display. That said, this is our most popular setup with very few issues reported.

Bluetooth Monitor Kit. 217-02-006



7" Touchscreen Monitor



Monitor Cradle with connection cable



Monitor / Cradle Power



Planter / Module Power



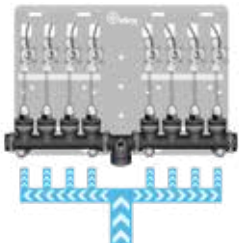
Bluetooth Module

The Bluetooth Display Kit includes the same big 7" touch screen monitor, RAM Mount, charging/communication cradle, and terminator plug with jumper. It also includes the Bluetooth module (which mounts on the rear of FlowBoard 1 next to your OnSite FMS+ Module), the short connection cable that connects to Module 1, and two power cables. The Monitor/Cradle Power Cable supplies power to the monitor cradle in the cab, the Planter/Module Power Cable powers the system on the planter itself.

No cables will run outside the cab as all communications with the planter will happen wirelessly over the Bluetooth connection. For the best connection, try to mount the module within 30 feet of the monitor in the cab.

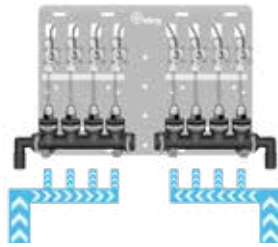
Description	Part #	Price
Bluetooth Monitor Kit	217-02-006	\$1,810
KIT INCLUDES 7" Monitor + RAM Mount	217-02-002	
Cradle for 7" Monitor	263-02-003	
Terminator	263-02-006	
Bluetooth Module w/ Cable	217-02-007	
6' In-Cab Cradle Power Cable	215-02-011	
20' Planter/Module Power Cable	215-02-002	

STEP 2 - Flowboards



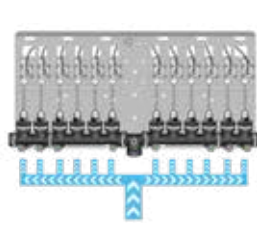
8 channel, 1 inlet

1/4" flowmeters - 0.5 GPM **217-01-825**
3/8" flowmeters - 2.0 GPM **217-01-836**



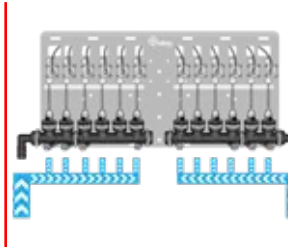
8 channel, 2 inlet

1/4" flowmeters - 0.5 GPM **217-01-825-2**
3/8" flowmeters - 2.0 GPM **217-01-836-2**



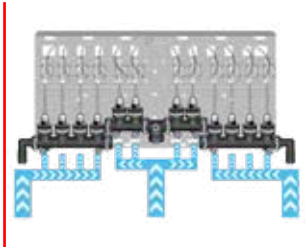
12 channel, 1 inlet

1/4" flowmeters - 0.5 GPM **217-01-1225**
3/8" flowmeters - 2.0 GPM **217-01-1238**



12 channel, 2 inlet

1/4" flowmeters - 0.5 GPM **217-01-1225-2**
3/8" flowmeters - 2.0 GPM **217-01-1238-2**



12 channel, 3 inlet

1/4" flowmeters - 0.5 GPM **217-01-1225-3**
3/8" flowmeters - 2.0 GPM **217-01-1238-3**

To figure out which FlowBoards you need, you just need to know the number of rows on your planter and the number of sections you run. The number of rows on your planter will correspond to the number of channels on all the FlowBoards combined. The number of sections you need will determine the number of inlets you need. **For example:**

- If you run a 16 row planter with simple left and right sections, you just need two 8-channel FlowBoards with 1 inlet on each.
- If you are running a 24 row planter with six sections, you would need two 12-channel FlowBoards with 3 inlets on each.
- If you were running a 36 row planter with only left & right sections, you would need three 12-channel FlowBoards, but you would need to split the center FlowBoard in half and combine each half together with the corresponding outside board with a simple T-fitting on the inlet hose. In this case you would buy two 217-01-1225 boards and one 217-01-1225-2 Flowboards.

Flow rates for each flow meter (per row rate)

1/4" flow meters have a flow rate of **0.08 – 0.5 GPM** each

3/8" flow meters have a flow rate of **0.21 – 2.0 GPM** each

Description

All 8 Channel 1/4" FlowBoards (0.08 – 0.5 GPM / row)

All 8 Channel 3/8" FlowBoards (0.08 – 0.5 GPM / row)

All 12 Channel 1/4" FlowBoards (0.21 – 2.0 GPM / row)

All 12 Channel 3/8" FlowBoards (0.21 – 2.0 GPM / row)

See above for part numbers

See above for part numbers

See above for part numbers

See above for part numbers

Price

\$670

\$720

\$970

\$1,040

STEP 3 - Modules

Choosing Your OnSite FMS+ Modules

Once you have your FlowBoards figured out, this is easy. You will need **one module per FlowBoard**.

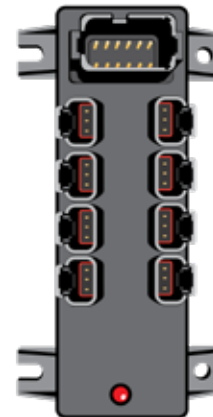
Each module should have the same number of channels as the FlowBoard they will be monitoring. A 12-channel FlowBoard needs a 12-channel module. An 8-channel FlowBoard needs an 8-channel module.

Each Module Kit comes with one module and one connection cable.

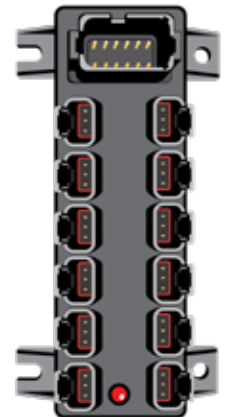
Description	Part #	Price
8 Channel Module Kit	217-01-308	\$670
KIT INCLUDES 8 Channel Module	263-02-208	
OnSite FMS+ Module Cable	215-02-302	
12 Channel Module Kit	217-01-312	\$825
KIT INCLUDES 12 Channel Module	263-02-212	
OnSite FMS+ Module Cable	215-02-302	



OnSite FMS+
Module Cable



OnSite FMS+
8 Channel Module



OnSite FMS+
12 Channel Module

STEP 4 - Module-to-Module Cables

Required to connect FlowBoards together on multi-FlowBoard systems.

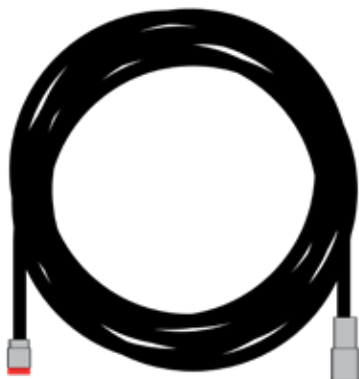
Module-to-Module Cables & Extensions

Module-to-module cables link each FlowBoard together in a simple daisy-chain configuration. Modules can be linked in any order and the software will automatically recognize them for configuration in the software.

Choose your cable length based on the distance between each set of FlowBoards you need to connect. Cables can also be used together as extension cables.

2 board systems need 1 cable.

3 board systems need 2 cables.

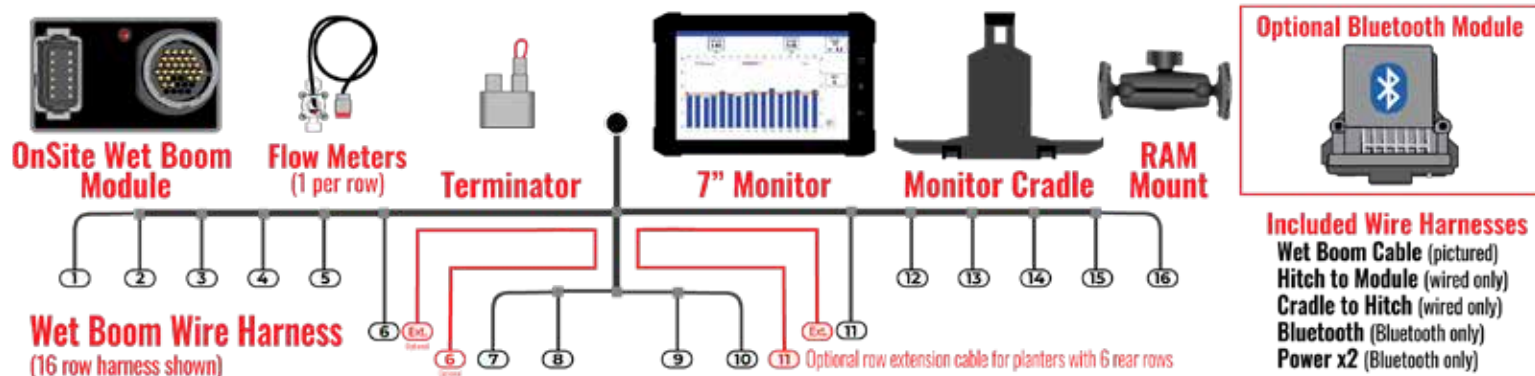


Length	Part #	Price
5'	215-02-005	\$79
10'	215-02-010	\$100
20'	215-02-020	\$120
25'	215-02-025	\$143
30'	215-02-030	\$160
40'	215-02-040	\$199
50'	215-02-050	\$240

FULL WET BOOM KITS



OnSite FMS+ Wet Boom Kits eliminate the FlowBoard and move the flow meters out to monitor flow on each row as it exits the wet boom. This eliminates most of the plumbing, but requires a much more complex wire harness. Wet Boom Kits may install a little differently, but they function exactly the same as any other OnSite FMS systems.



Wet boom kits include the OnSite FMS+ module, flowmeters, wet boom wiring harness, 7" monitor, cradle, RAM Mount, terminator, wiring, Bluetooth components (if applicable), brackets & hardware.

Wet Boom Kits fit the vast majority of wet boom planters, including Case, John Deere, White & Kinze. Our universal harnesses are designed for popular narrow transport planters that have four rows in the back. Two row extension cables are included to adapt the harness for planters with six rear rows. Additional extensions are available to fit any planter configuration.

CHOOSE THE WET BOOM KIT THAT'S RIGHT FOR YOU.

Rows on planter		1/4" Wired Kit	Price	3/8" Wired Kit	Price	1/4" Bluetooth Kit	Price	3/8" Bluetooth Kit	Price
12 Row Kit	Includes wet boom harness & module, flow meters, monitor kit, & all wiring.	217-01-WB12R25W	\$4,220	217-01-WB12R38W	\$4,290	217-01-WB12R25B	\$4,550	217-01-WB12R38B	\$4,620
16 Row Kit	Includes wet boom harness & module, flow meters, monitor kit, & all wiring.	217-01-WB16R25W	\$5,120	217-01-WB16R38W	\$5,220	217-01-WB16R25B	\$5,410	217-01-WB16R38B	\$5,530
24 Row Kit	Includes wet boom harness & module, flow meters, monitor kit, & all wiring.	217-01-WB24R25W	\$6,170	217-01-WB24R38W	\$6,310	217-01-WB24R25B	\$6,390	217-01-WB24R38B	\$6,530
36 Row Kit	Includes wet boom harness & modules, flow meters, monitor kit, & all wiring.	217-01-WB36R25W	\$9,160	217-01-WB36R38W	\$9,370	217-01-WB36R25B	\$9,350	217-01-WB36R38B	\$9,560

Custom Kits Available for 37+ Row Planters

OnSite FMS+ has been designed and tested to work with up to 72 rows.
Call for custom configurations and pricing.

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each. **3/8" flow meters** have a flow rate of **0.21 - 2.0 GPM** each.

Wet Boom Dual Product Systems

Onsite FMS+ was designed with dual liquid systems in mind. Each product needs its own wet boom harness, OnSite FMS+ Module and flow meters. You will essentially install the two harnesses on top of each other and connect the two OnSite FMS+ Modules together with a Module to Module Cable. Assign each module to a product in the software & go!

2nd Product FlowBoard Kit	1/4" Standard Kit	Price	3/8" High Flow Kit	Price
12 row 2nd Product Kit	217-01-WB1225	\$2,700	217-01-WB1238	\$2,770
16 row 2nd Product Kit	217-01-WB1625	\$3,560	217-01-WB1638	\$3,660
24 row 2nd Product Kit	217-01-WB2425	\$4,540	217-01-WB2438	\$4,680
36 row 2nd Product Kit	217-01-WB3625	\$7,590	217-01-WB3638	\$7,800



OnSite FMS+ Wet Boom Kit installation.

Onsite FMS+ Wet Boom Kits are even easier to install than our FlowBoard kits!

1. Lay out the harness following the wet boom on your planter. Each leg of the harness will correspond to the breakout for each row.
2. Cut the line going out to each row where convenient and install your flowmeters in the splice. Plug each flow meter into the harness.
3. Zip tie the harness to the wet boom to secure it to the planter.
4. Plug the OnSite FMS+ module to the harness. It will hang freely.
5. Plug in the Module Harness to the OnSite FMS+ Module. The Terminator plugs into the male terminator. The female terminator will connect to either the Hitch-to-Module Harness for wired systems or to the Bluetooth Power Cable on Bluetooth systems.
6. In the tractor cab, mount the display wherever convenient using the supplied RAM Mount and monitor cradle.
7. Run power to the cradle. You may hook directly to the battery or use an open accessory port in the cab. Wired system cables will continue out to the hitch.
8. Connect the system together using the method described below for your system.

WIRED SYSTEMS

Run the supplied Display Harness from the cradle out to the hitch. Run the Hitch-to-Module Harness from the male plug on the Module Harness to the hitch. Connect the two harnesses together at the hitch and test the system.

BLUETOOTH SYSTEMS

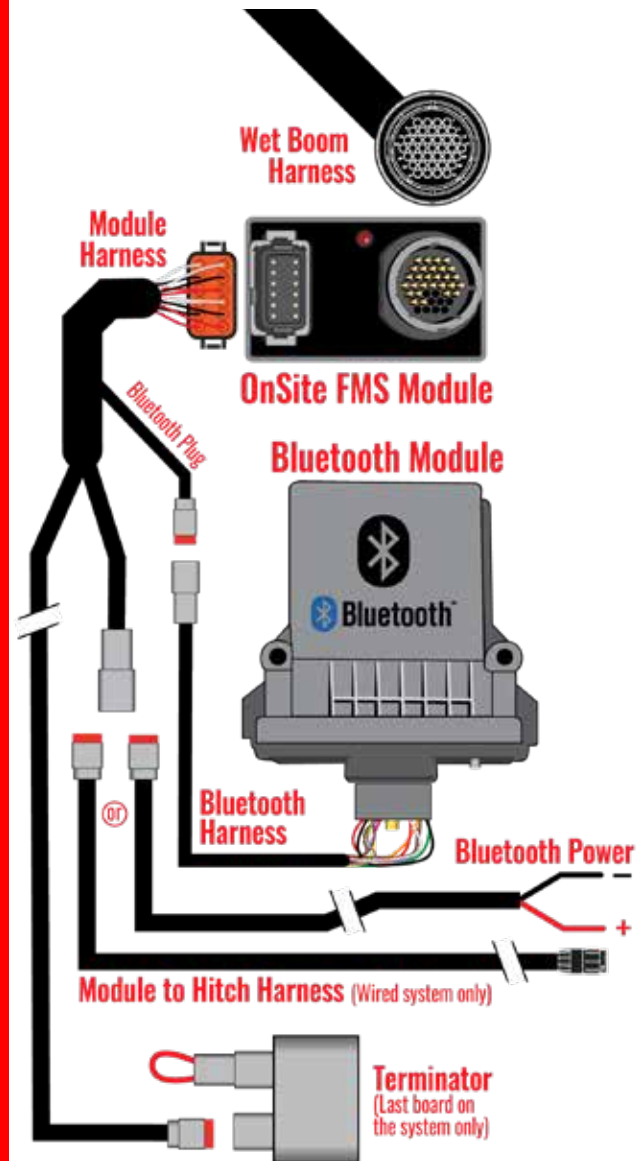
For Bluetooth systems, mount the Bluetooth module within 50 feet of the cab and run your Bluetooth Harness to the OnSite FMS+ Module. Connect the power cable to the power source on your planter and run it to the Module Cable. The Monitor in the cab should recognize it and connect automatically.

INSTALLING A SECOND PRODUCT

For dual product systems, you will have two harnesses, two OnSite FMS+ modules, and two sets of flowmeters, each monitoring one product.

Both harnesses will follow the wet boom and install identically, each connected to the flow meters on their respective product. We recommend hooking up the first product completely before installing the second harness and flowmeters to the second product.

When you have both harnesses installed, the two OnSite FMS+ modules will hook together directly via the male and female connectors on the Module Cables. Add a Terminator on the last Module, and run your data back to the cab from the first module using the wired or Bluetooth options described above. Assign each module to its respective product in the software, and off you go!



For detailed installation instructions, visit
OnSiteFMS.com/onsite-installation.

CUSTOM WET BOOM SYSTEMS

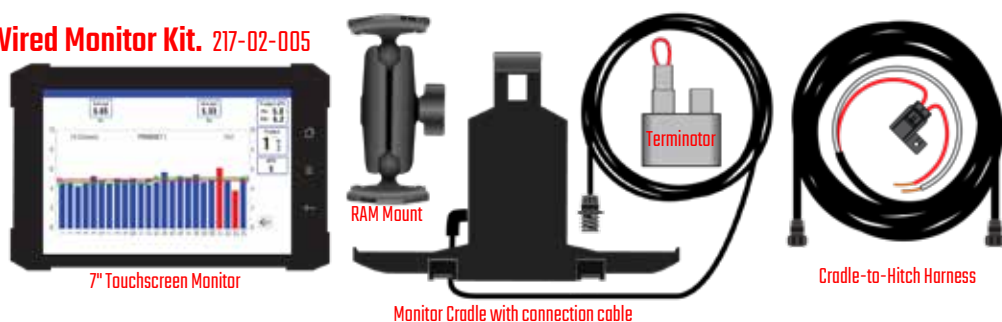


STEP 1 - Cab & Connection

Option 1: Wired System

Wired systems are incredibly reliable, but you do have to run an extra wire out of your cab and down to your hitch. We recommend wired systems any time reliability is your primary concern or for any planter where the Bluetooth module would be mounted more than fifty feet from the monitor in the cab (some 36+ row planters).

Wired Monitor Kit. 217-02-005



No matter which system set up you choose, you'll need a display kit. The Wired Display Kit includes the big 7" touch screen display, RAM Mount, charging/communication cradle, and terminator plug with jumper. The included Cradle-to-Hitch cable is a generous 20' length. This cable powers the entire system from the battery or aux port, plus runs signal from the cradle down to the hitch. When combined with the Hitch-to-Module harness, these two cables provide all the power and communications between the planter and the cab.

Description	Part #	Part #	Price
Wired Monitor Kit		217-02-005	\$1,345
7" Monitor + RAM Mount	217-02-002		
Cradle for 7" Monitor	263-02-003		
Terminator	263-02-006		
20' Cradle-to-Hitch Harness	215-02-016		

KIT INCLUDES

You **MUST** choose a Hitch-to-Module Harness!

Choose a length that reaches from the connection at your hitch to FlowBoard 1.

Hitch-to-Module Harness

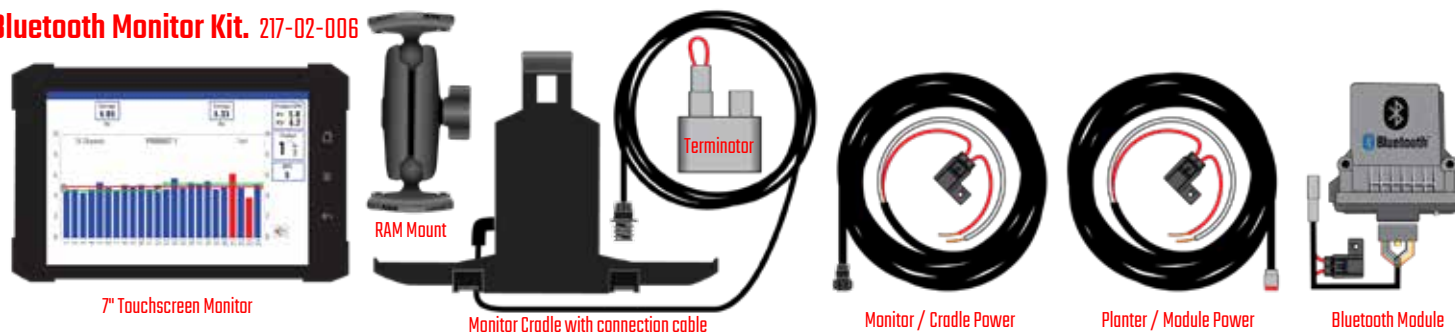
Cable carries power and signal from the hitch back to the module on FlowBoard 1. Choose the correct length to run to FlowBoard 1. **REQUIRED**

Length	Part #	Price
15'	215-02-015	\$126
20'	215-02-022	\$135
25'	215-02-025	\$144
35'	215-02-035	\$175
50'	215-02-051	\$244
65'	215-02-065	\$280

Option 2: Bluetooth System

Bluetooth systems are easy to set up with rock solid reliability. We primarily recommend these for 24 row planters and smaller due to occasional connectivity / interference issues if the module is mounted more than 50 feet away from the display. That said, this is our most popular setup with very few issues reported.

Bluetooth Monitor Kit. 217-02-006



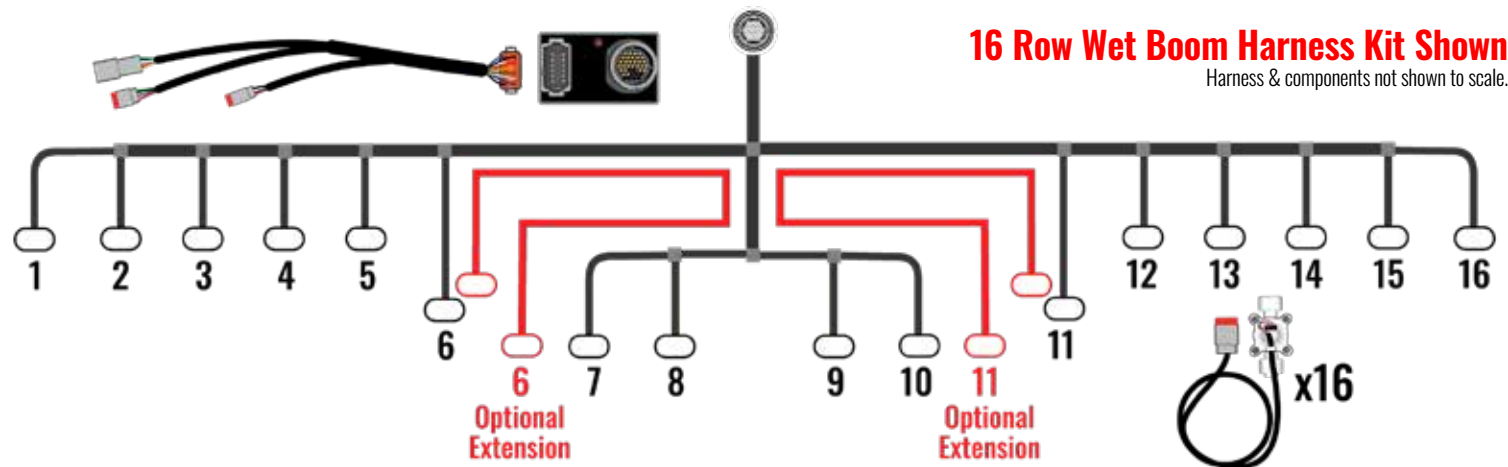
The Bluetooth Display Kit includes the same big 7" touch screen monitor, RAM Mount, charging/communication cradle, and terminator plug with jumper. It also includes the Bluetooth module (which mounts on the rear of FlowBoard 1 next to your OnSite FMS+ Module), the short connection cable that connects to Module 1, and two power cables. The Monitor/Cradle Power Cable supplies power to the monitor cradle in the cab, the Planter/Module Power Cable powers the system on the planter itself.

No cables will run outside the cab as all communications with the planter will happen wirelessly over the Bluetooth connection. For the best connection, try to mount the module within 50 feet of the monitor in the cab.

Description	Part #	Price
Bluetooth Monitor Kit	217-02-006	\$1,810
7" Monitor + RAM Mount	217-02-002	
Cradle for 7" Monitor	263-02-003	
Terminator	263-02-006	
Bluetooth Module w/ Cable	217-02-007	
6' In-Cab Cradle Power Cable	215-02-011	
20' Planter/Module Power Cable	215-02-002	

KIT INCLUDES

STEP 2 - Wet Boom Harness Kit



OnSite FMS+ harnesses for wet booms are designed to be a universal fit for any planter. Everything you need on the planter side is included in each kit. Just choose the right number of rows for your planter and which size of flowmeters you want to run. Everything else you need is already in the kit!

If you are running section control, there is no special configuration. The liquid is already being sectioned off in the boom, so there's nothing for OnSite to do but monitor the flow rates! OnSite FMS+ Wet Boom Systems monitor all your rows in a single module, so there's no extra modules to link together. You just assign which rows are in each section in the software so OnSite FMS+ can give you accurate averaging by section. Simple!

Description	Part #	Price
12 Row Harness wth Wet Boom Module & 1/4" flow meters	217-01-WB1225	\$2,700
12 Row Harness with Wet Boom Module & 3/8" flow meters	217-01-WB1238	\$2,770
16 Row Harness wth Wet Boom Module & 1/4" flow meters	217-01-WB1625	\$3,560
16 Row Harness with Wet Boom Module & 3/8" flow meters	217-01-WB1638	\$3,660
24 Row Harness wth Wet Boom Module & 1/4" flow meters	217-01-WB2425	\$4,540
24 Row Harness with Wet Boom Module & 3/8" flow meters	217-01-WB2438	\$4,680
36 Row Harness wth Wet Boom Module & 1/4" flow meters	217-01-WB3625	\$7,590
36 Row Harness with Wet Boom Module & 3/8" flow meters	217-01-WB3638	\$7,800

1/4" flow meters have a flow rate of **0.08 - 0.5 GPM** each. **3/8" flow meters** have a flow rate of **0.21 - 2.0 GPM** each.

Setting up Dual Products on a Wet Boom System



Configuring OnSite FMS+ for a second product on wet boom systems is incredibly easy. Each product needs its own wet boom harness, OnSite FMS+ Module and flow meters to monitor the two products independently.

Since all of that is included in the Harness Kit, you basically just need to order two identical harness kits and link the two products together into a single system by plugging the Module Harnesses together. Since the two modules should end up sitting on top of each other, no additional cabling is required.

Once you have the system connected together, you just need to tell OnSite's software which Module is monitoring which product and set target application rates for each unique product.

OnSite FMS+ does not control how sections are broken out on your planter in a wet boom system. Both liquids will be distributed on your planter through the wet boom itself and all rows will be monitored by the single Wet Boom Module.

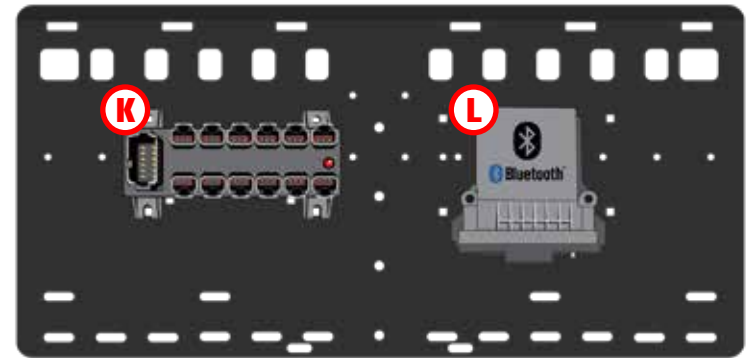
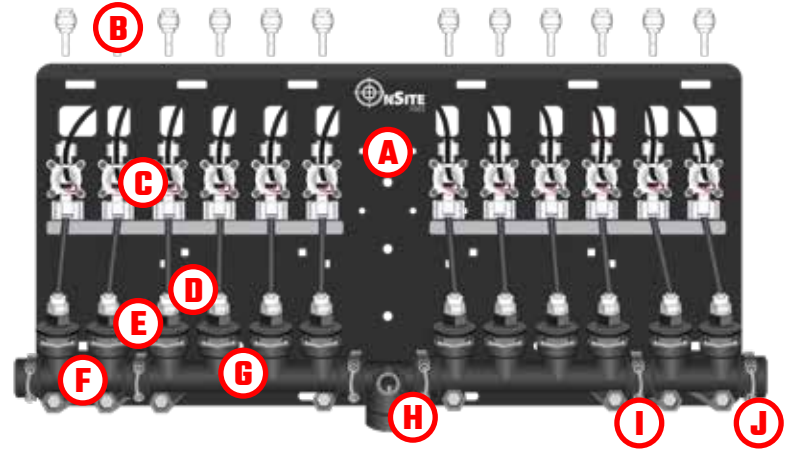
To monitor application rates by section, you just need to tell OnSite's software which rows belong in each section for each product. OnSite FMS+ will then group the flow rates from those rows together to give you average flow rates for each section.

REPLACEMENTS PARTS



ONSITE REPLACEMENT PARTS

A	FlowBoard Assembly - 12 Channel - 1/4"	217-01-1225	\$ 970.00
	FlowBoard Assembly - 12 Channel - 3/8"	217-01-1238	\$ 1,040.00
	FlowBoard Assembly - 8 Channel - 1/4"	217-01-825	\$ 670.00
	FlowBoard Assembly - 8 Channel - 3/8"	217-01-838	\$ 720.00
B	1/4" to 3/8" Adapter	150 W-JGTRC46	\$ 2.50
C	1/4" OnSite Flowmeter (0.08 – 0.5 GPM)	263-02-100	\$ 43.70
	3/8" OnSite Flowmeter (0.21 – 2.0 GPM)	263-02-130	\$ 49.50
D	1/4" Push Fitting	150 W-JGMC44	\$ 2.50
	3/8" Push Fitting	150 W-JGMC46	\$ 4.35
E	FPT Manifold Fitting	197 20519-00	\$ 3.10
F	2 row Manifold	197 20572	\$ 9.68
G	4 row Manifold	197 20574	\$ 13.10
	1 row Manifold	197 20571	\$ 7.70
	3 row Manifold	197 20573	\$ 11.20
H	Manifold to 1" FPT Tee (Inlet)	197 20525-00	\$ 8.55
	Manifold to 3/4" HB Elbow (Inlet)	197 20113-00	\$ 3.10
	Manifold to 1/2" HB Elbow (Inlet)	197 20112-00	\$ 3.10
I	Manifold Retaining Clip	197 2046004	\$ 1.64
J	Manifold Endcap	197 20521-00	\$ 3.76
K	OnSite FMS+ Module - 12 Channel	263-02-212	\$ 579.00
	OnSite FMS+ Module - 8 Channel	263-02-208	\$ 424.00
L	Bluetooth Module Kit (w/ Mod>Bt cable)	217-02-007	\$ 530.00
	Wet Boom Module - 12 Row	263-02-312	\$ 1080.00
	Wet Boom Module - 16 Row	263-02-316	\$ 1200.00
	Wet Boom Module - 24 Row	263-02-324	\$ 1350.00



DISPLAY KIT REPLACEMENT PARTS

M	OnSite Display	263-02-002	\$ 920.00
N	RAM Mount	RAP-B-102U	\$ 22.00
O	OnSite Display Cradle	263-02-003	\$ 195.00
P	Harness Terminator	263-02-006	\$ 78.00



ONSITE REPLACEMENT CABLES

OnSite FMS+ Module Cable (ALL modules)	215-02-302	\$ 246.00
Module-to-Module Cable/Extension - 5'	215-02-005	\$ 79.00
Module-to-Module Cable/Extension - 10'	215-02-010	\$ 100.00
Module-to-Module Cable/Extension - 20'	215-02-020	\$ 120.00
Module-to-Module Cable/Extension - 25'	215-02-025	\$ 143.00
Module-to-Module Cable/Extension - 30'	215-02-030	\$ 160.00
Module-to-Module Cable/Extension - 40'	215-02-040	\$ 199.00
Module-to-Module Cable/Extension - 50'	215-02-050	\$ 240.00
OnSite FMS+ Wet Boom Harness - 12 Row	215-02-212	\$ 830.00
OnSite FMS+ Wet Boom Harness - 16 Row	215-02-216	\$ 1190.00
OnSite FMS+ Wet Boom Harness - 24 Row	215-02-224	\$ 1670.00
OnSite FMS+ Wet Boom Harness - 36 Row	215-02-236	\$ 1706.00

ONSITE BLUETOOTH & WIRED CABLES

Module-to-Bluetooth Cable	215-02-001	\$ 92.00
Bluetooth Monitor Power (Cab) - 6'	215-02-011	\$ 74.00
Bluetooth Module Power (Planter)- 10'	215-02-002	\$ 57.00
Bluetooth Module Power (Planter)- 20'	215-02-013	\$ 70.00
Bluetooth Module Power (Planter)- 30'	215-02-003	\$ 86.00
Wired Display-to-Hitch Cable - 10'	215-02-006	\$ 120.00
Wired Display-to-Hitch Cable - 20'	215-02-016	\$ 144.00
Wired Hitch-to-Module Cable - 15'	215-02-015	\$ 126.00
Wired Hitch-to-Module Cable - 20'	215-02-022	\$ 135.00
Wired Hitch-to-Module Cable - 25'	215-02-025	\$ 144.00
Wired Hitch-to-Module Cable - 35'	215-02-035	\$ 175.00
Wired Hitch-to-Module Cable - 50'	215-02-051	\$ 244.00
Wired Hitch-to-Module Cable - 65'	215-02-065	\$ 280.00



ACCESSORIES

BOOM VALVES (Section Control)

If you run section control, we recommend Banjo's MLEV100 boom valve. It's light, compact, easy to install and incredibly reliable. It's even affordable. Order 1 per section on your planter.



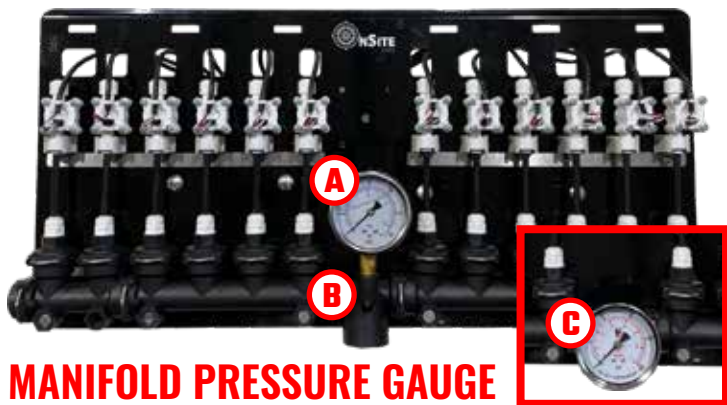
LIFT SWITCH KITS

Includes push button lift switch, planter-specific mounting bracket & hardware. Bracket is made from 1/4" thick powder coated steel. Call for extension cable options.



Description	Part	Price
Banjo Electronic Boom Valve	102 MLEV100	\$ 126.00
Manifold Fitting - 1" MPT to 1" Flange	102 M100M	\$ 2.40
Elbow Fitting - 3/4" HB to 1" Flange	102 M100075E	\$ 2.54
Straight Fitting - 3/4" HB to 1" Flange	102 M100075B	\$ 2.09
Flange Fitting Clamps - 1"	102 MFC100	\$ 5.56
Flange Fitting Gasket - 1"	102 M100G	\$ 2.00
HB Clamp - 3/4" standard hose clamp	003 HC075	\$ 1.71

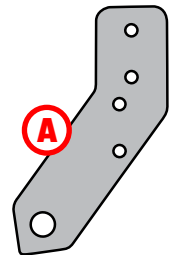
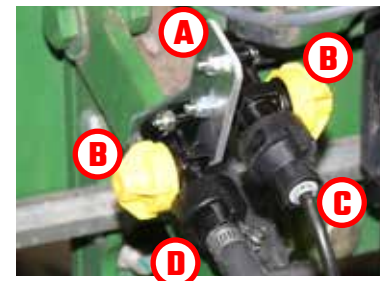
Description	Part	Price
Case - 1200 Series	217-01-022	\$ 103.00
Case - 2100 Series	217-01-023	\$ 103.00
John Deere - 7000 Series	217-01-021	\$ 103.00
John Deere - all short arm planters	217-01-020	\$ 103.00
Kinze - 2000, 3000 Series	217-01-021	\$ 103.00
Kinze - 4000 Series	217-01-024	\$ 103.00
White - 5000, 6000, 8000 Series	217-01-025	\$ 108.00
White - 9000 Series	217-01-022	\$ 103.00
Push Button Lift Switch Only	263-01-541	\$ 81.38
Whisker Switch w/ 40' cable	216012	\$ 291.00



MANIFOLD PRESSURE GAUGE

Add an analog pressure gauge to monitor manifold pressure. The manifold has a 1/4" FPT that just needs to be drilled out. We recommend using an elbow and bottom mount liquid filled gauge. Standard rear mount dry gauges work great too.

Order 1 per FlowBoard or section.



CHECK VALVE MOUNTING BRACKETS

Aluminum check valve brackets bolt onto the existing mounting hole in each parallel arm and give you a nice clean mounting point above your row units for up to 2 check valves. Order 1 bracket per row.

Description	Part	Price
A Dual check valve bracket	500 P2P Bracket	\$ 5.00
B TeeJet 3/8" Check valve - 2 PSI	097 QJ98590-3/8Y	\$ 12.70
C TeeJet 1/4" tubing straight cap	097 QJ98588-1/4	\$ 6.11
D 3/8" Hose Barb Cap insert	150 K038PP	\$ 0.48
D TeeJet Standard Cap (for 3/8" HB)	097 Q25608	\$ 1.29

FITTINGS & ADAPTERS

Here are some common fittings we take to every install.

Description	Part	Price
3/8" MPT to 3/8" John Guest	150 JGMC46	\$ 4.35
1/4" FPT tp 3/8" Hose Barb	150 Q025038PP	\$ 2.42
3/4" Barb to Barb (hose mender)	150 M075PP	\$ 0.79
1" MPT to 3/4" Hose barb	102 A100075	\$ 1.87
3/4" Hose Clamp	003 HC075	\$ 1.71

PLASTIC TUBING

Use 3/8" tubing to the check valve to maintain equal pressure across each row. Plan on about 200' for every 12 rows on a planter.

Description	Part	Price
3/8" OD tubing - black - per foot	003 JGPT64	\$ 0.55 / foot
3/8" OD tubing - natural - per foot	003 JGPT64N	\$ 0.54 / foot
1/4" OD tubing - black - per foot	003 JGPT43	\$ 0.36 / foot

All prices are subject to change without notice. Prices shown are retail prices. Call for monthly specials and dealer discounts.



Know Your Flow On Every Row.

Fertilizer is the **single biggest expense** per acre most farmers have. Yet, many farmers don't really know how well it was applied to their field. They know how much was put on, but they often don't know precisely where it went or how well their machine performed in the field.

The **OnSite Flow Monitoring System** monitors the exact flow rates on each row of your planter and displays that information on a big 7" display right in your cab. You can quickly see issues developing in real time and fix them long before they impact yield.

Get the best performance from your planter. Get the best performance from your field. Get the best performance from every dollar of fertilizer you apply. **Get OnSite FMS+.**



**"Thanks
for making
it affordable
even for a
little guy."**

- Eric C. -
N.W. Ohio



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