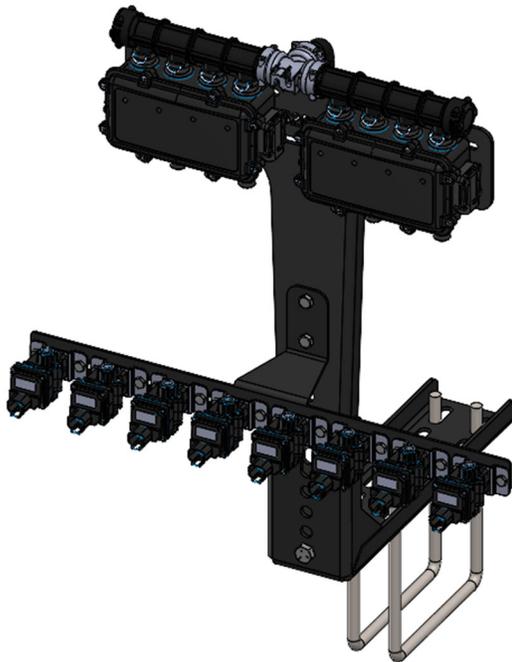




396-6414Y1

Sentinel™ Flowmeter Module Mounting Bracket and Plumbing Kit Installation Instructions For 8 & 12 Row Potato Planters



Kit Number:

570-08-100100: 8 Row Potato Planter Plumbing Kit w/ Flow Indicators - CHEM

Kit Number:

570-08-100200: 8 Row Potato Planter Plumbing Kit w/ Sentinel - CHEM

Kit Number:

570-08-200100: 8 Row Potato Planter Plumbing Kit w/ Flow Indicators - FERT

Kit Number:

570-08-200200: 8 Row Potato Planter Plumbing Kit w/ Sentinel - FERT

Kit Number:

570-12-100100: 12 Row Potato Planter Plumbing Kit w/ Flow Indicators - CHEM

Kit Number:

570-12-100200: 12 Row Potato Planter Plumbing Kit w/ Sentinel - CHEM



8 & 12 Row Parts List

Part #'s	Description	Kit #'s					
		570-08-100100	570-08-100200	570-08-200100	570-08-200200	570-12-100100	570-12-100200
101-038038-90	3/8" MPT x 3/8" HB - 90 Degree			8	9		
101-075075075-HB	3/4" HB x 3/4" HB x 3/4" HB Tee			1	1		
101-075075100-HB	3/4" HB x 3/4" HB x 1" HB Tee			1	1		
101-100075	1" MPT x 3/4" HB	1		1		1	
103-5016Y1	Zip Valve 1/4" Nylon, 2-way, SS Ball, 3/8" Push to Connect, Deutsch (FY21 Board)	8	8	8	8	12	12
113-01-038038	Stem to HB - 3/8" Stem x 3/8" HB			16	18		
113-15-038025-P	Reducing Straight Connector - 3/8" QC x 1/4" QC - polypropolene			16	20		
117-511-0154	Zip Valve SS Bottom Mount Bracket (includes bracket and screws in Ziploc bag)	8	8	8	8	12	12
120-T1M038QC	Fork Fitting, T1M x 3/8" QC		9				14
120-T3FTEE	Fork Fitting, T3F TEE		1	1			1
120-T3MPLUG	Fork Fitting, T3M Plug		2	2			2
120-T3MT3F-4XT1M	Fork Fitting, Manifold, T3M x T3F, 4-Way T1M		2	2			2
120-T4FT3FRC	Fork Fitting, T4F x T3F Reducer Coupling						1
120-T4MT3MRN	Fork Fitting, T4M x T3M Reducer Nipple						1
121-T1M038	Fork Fitting, T1M x 3/8" HB				8		
121-T3F075	Fork Fitting, T3F x 3/4" HB				1		
121-T3M075-90	Fork Fitting, T3M x 3/4" HB - 90°		1	1			1
131-ER95-015	Combo-Jet ER95-015 - Even - Green	10	10			14	14
131-ER95-02	Combo-Jet ER95-02 - Even - Yellow	10	10			14	14
133-01-40250-00	50 Mesh Wilger Nozzle Strainer (Blue)	10	10			14	14
136-04-06QC04QC	Check valve - 4 lb - 3/8" QC Inlet x 1/4" QC Outlet - Diaphragm Style	7	9			14	13
136-04-200400	Dual 4 PSI check valve with Dual on/off valve - incl end cap, 1/4" QC cap, and 3/8" FPTinlet			10	10		
204-01-4625AAGB1B1	4 Row Electro Magnetic Sentinel Flow Meter (10oz to 202 oz per min per row) .08 - 1.6 GPM		2		2		3
207-5838Y1	14-Pin 6 Section Final Cable 6 Sections (Deutsch) - Pressure	1	1	1	1	1	1
208-06-2910Y2	MultiRow 4 Pin Deutsch CAN Trunkline - 15' with 2 flow meter connectors		1		1		
208-06-2911Y2	MultiRow 4 Pin Deutsch CAN Trunkline - 15' with 3 flow meter connectors						1
280-038-AG200-100	3/8" AG200 100' Coil			2	2		
280-075-AG200-50	3/4" AG200 50' Coil	1	1	1	1	1	1
281-038-100	3/8" OD Poly Tubing - 100' Roll	2	2			2	2
282-02-250187-08	Black Metering Tube 1/4" OD x .187" ID - 8' Length			18	18		
282-04-PXC058-L	Black PolyTube Cutter with a Red Spring Leash	1	1			1	1



8 & 12 Row Parts List (Continued)

Part #'s	Description	Kit #'s					
		570-08-100100	570-08-100200	570-08-200100	570-08-200200	570-12-100100	570-12-100200
300-040008-SS	1/4" x 1/2" Hex Head Bolt - SS	16	12	16	16	24	24
300-060012-SS	3/8" x 3/4" Hex Head Bolt - SS		2		2		2
300-060108-SS	3/8" x 1-1/2" Hex Head Bolt - Stainless Steel	2		2		2	
300-080012-5	1/2" x 3/4" Hex Head Bolt - G5	2	2	2	2	2	2
321-08-F	1/2" Nylon Flange Nut	2	2	2	2	2	2
323-04-SS	1/4" Flange Nut - SS	16	12	16	16	24	24
323-06-SS	3/8" Flange Nut - SS	2	2	2	2	2	2
350-0605	SS Hose Clamp - Size 6 - 7/8" Diameter (fits 3/8" and 1/2" AG200)			80'	80'		
350-1208	SS Hose Clamp - Size 12 - 1-1/4" Diameter (fits 3/4" AG200)	6	6	2	2	6	6
350-1608	SS Hose Clamp - Size 16 - 1-1/2" Diameter (fits 1" AG200)			4	4		
353-15	15" Zip Tie	4	4	4	4	4	6
380-1001	1/2" U-bolt Kit - fits 7" x 7" tube - (7" opening) includes flange nuts	2	2	2	2	2	2
384-1003	Hardware Kit - Wilger Mounting Bolts	3				4	
384-1105	Hardware Kit - Qty 4 of 5/16" Hex Cap Bolts and Flange Nuts for Sentinel Flow meter		2		2		3
396-001670	SurePoint Flow Indicator w/ Dual Metering Tube Plumbing Kits Instruction Sheet			1			
396-001730	Flow Indicators, Orifice Charts and Check Valve Manual	1				1	
399-PM80128	128 oz Calibration Pitcher with SurePoint Logo	1	1	1	1	1	1
399-RSTB-2	Rectorseal Tru Blue - 2 oz Tube	1	1	1	1	1	1
400-1138A1-BK	Dual Product add-on Bracket for 12 Row Wilger Bracket	1	1	1	1	1	1
400-2010A1-WH	Large Flow Indicator Bracket White Backer Plate	1		1		1	
400-3155Y1-BK	Heavy Duty 12 Row Flow Indicator T-Bracket	1		1		1	
400-3985Y1-BK	Flow Indicator Offset L Bracket	1	1	1	1	1	1
400-5207Y1-BK	Sentinel Mounting Bracket - 8 Row		1		1		
400-5208Y1-BK	Sentinel Mounting Bracket - 12 Row						1
515-01-100250	Mounting Bracket Kit, BK Toolbar Dual Check Valve, 4 Row			2	2		
701-20460-940	Wilger Flow Indicator - Single Column with 3/8" QC - 90 Degree Outlet	8				12	
701-20460-950	Wilger Flow Indicator - Single Column with 3/8" HB - 90 Degree Outlet			8			
701-20513-00	ORS x 3/4" HB - 90 Degree	1		1		1	
701-20521-00	Wilger End Cap	2		2		2	
701-20525-00	ORS Male x ORS Male x 1" FPT - Tee	1		1		1	
701-41256-00	Combo-clip FE x 3/8" NPTF x 3/4" SQ. Mount Adapter Assy			2	2		



Step by Step Instructions

Kit Number:

570-08-100200: 8 Row Potato Planter Plumbing Kit w/ Sentinel - CHEM

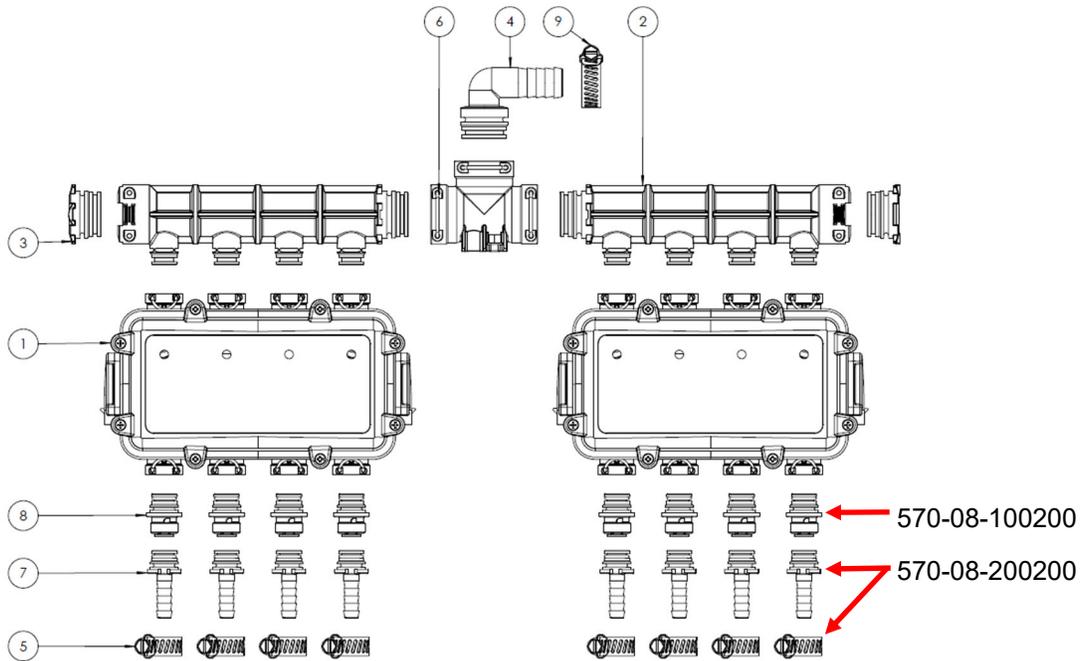
Kit Number:

570-08-200200: 8 Row Potato Planter Plumbing Kit w/ Sentinel - FERT

Kit Number:

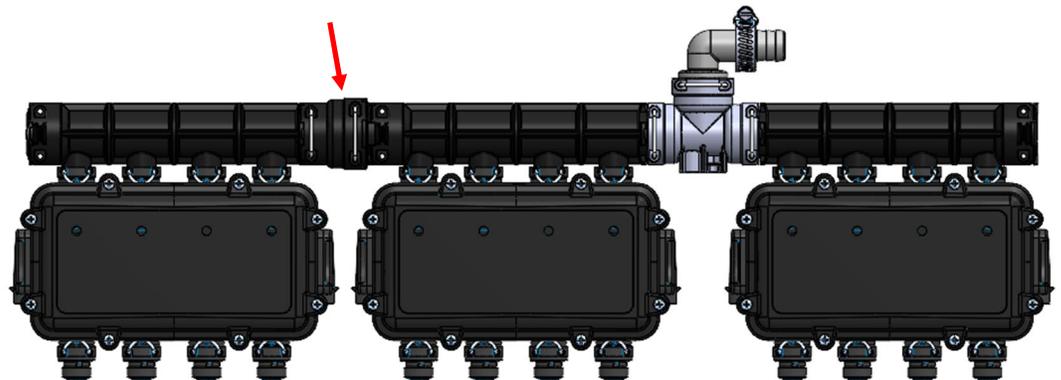
570-12-100200: 12 Row Potato Planter Plumbing Kit w/ Sentinel - CHEM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	204-01-4625AAGB1B1	Sentinel™ Flowmeter Module	2
2	120-T3MT3F-4XT1M	T3 Male/Female Manifold w/ (4)T1 Male Outlets	2
3	120-T3MPLUG	T3 Male FC Plug	2
4	121-T3M075-90	T3 Male FC x 3/4" HB - 90 degree	1
5	350-0605	SS Hose Clamp - Size 6 - 7/8" Diameter	8
6	120-T3FTEE	T3 Tee	1
7	121-T1M038	T1 Male FC x 3/8" HB	8
8	120-T1M038QC	T1 Male x 3/8" QC	8
9	350-1208	SS Hose Clamp - Size 12 - 1-1/4" Diameter	1



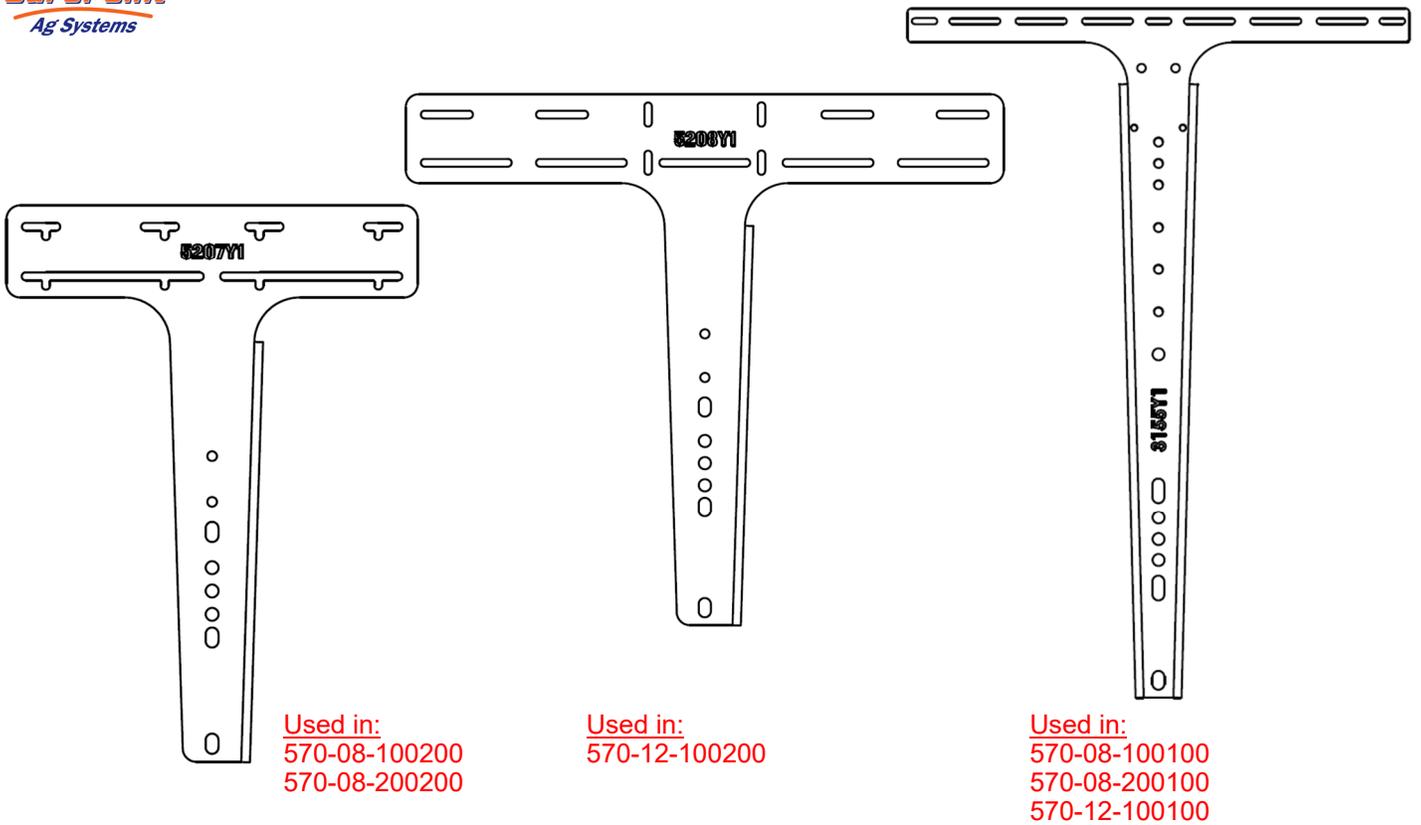
Kit 570-12-100200

Use 120-T4FT3FRC and 120-T4MT3MRN to attach Third Sentinel module.





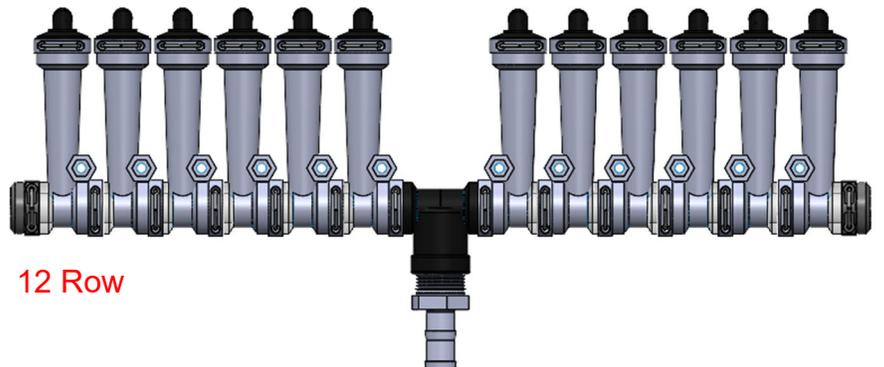
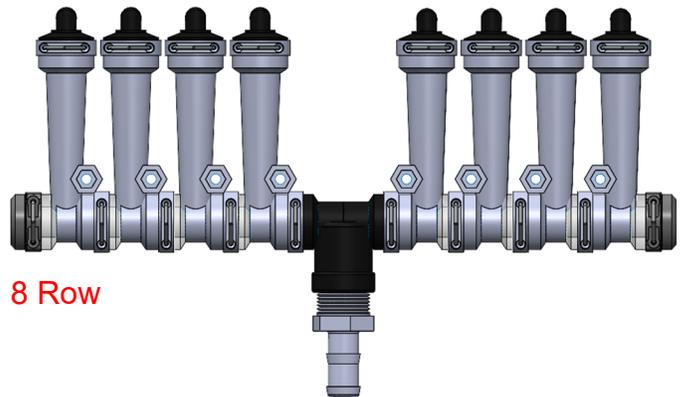
Step by Step Instructions



Flow Indicator Manifold Assembly:

1. Assemble manifold in the same configuration as the pictures to the left corresponding with the number of rows you have.

Note: All Flow Indicator Kits come with 90 degree hose barb to replace the TEE and Strait Hose bard for different configuration.

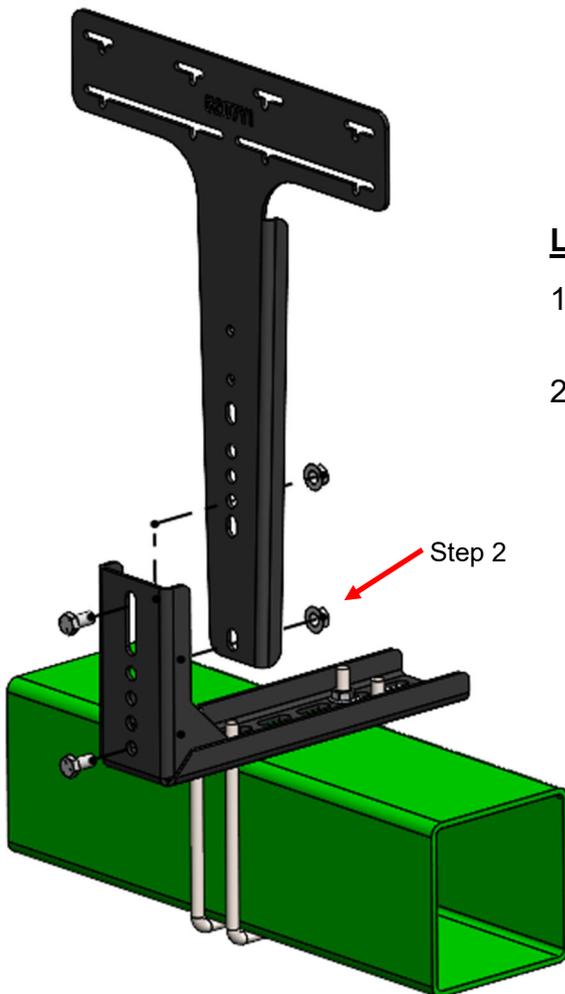
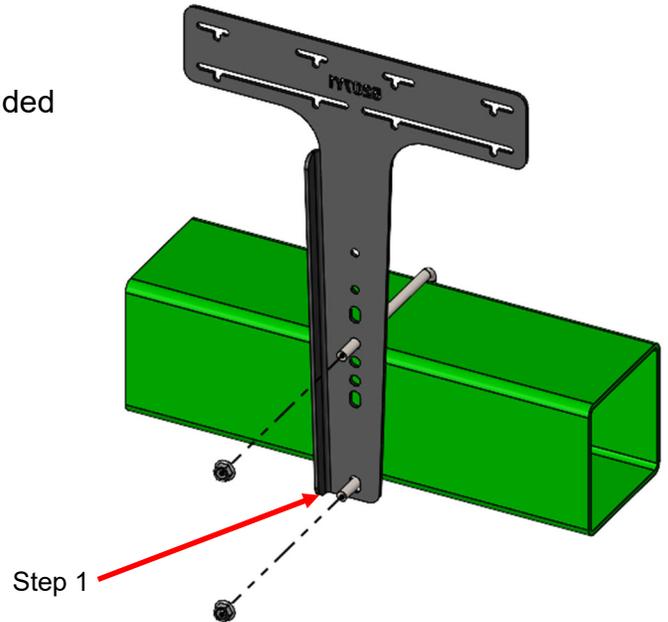


Step by Step Instructions

T-Bracket Mounting

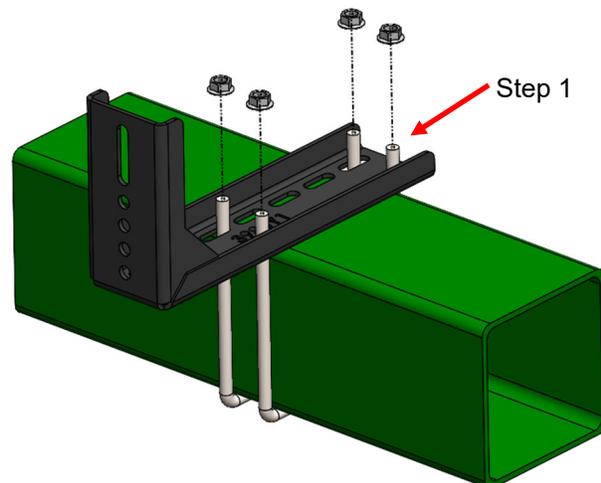
1. Attach T-Bracket to implement frame using included U-bolt and check for clearance.

Note: All T-brackets mount in the same manner.



L-bracket and T-Bracket Mounting

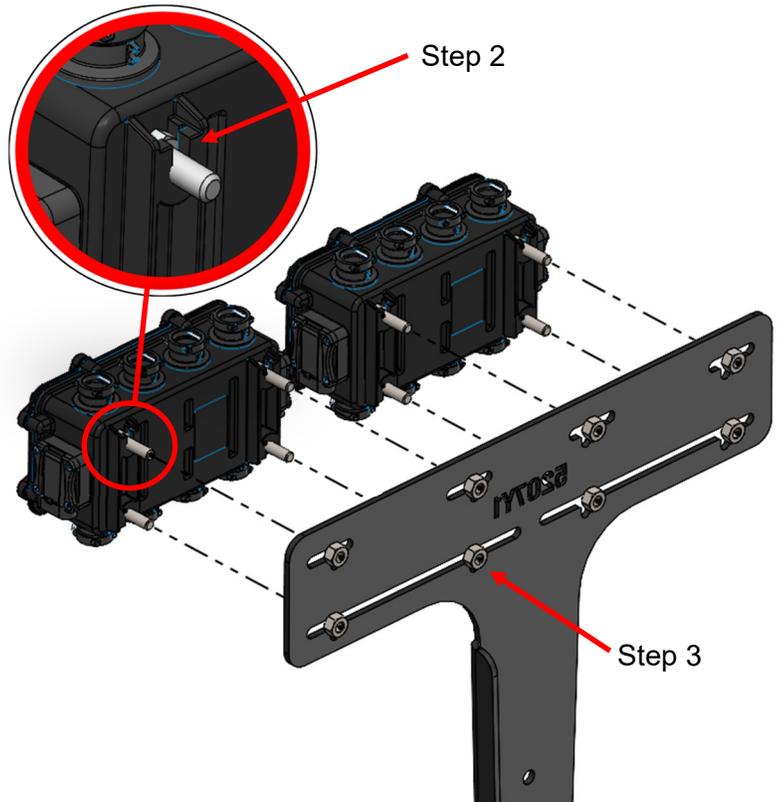
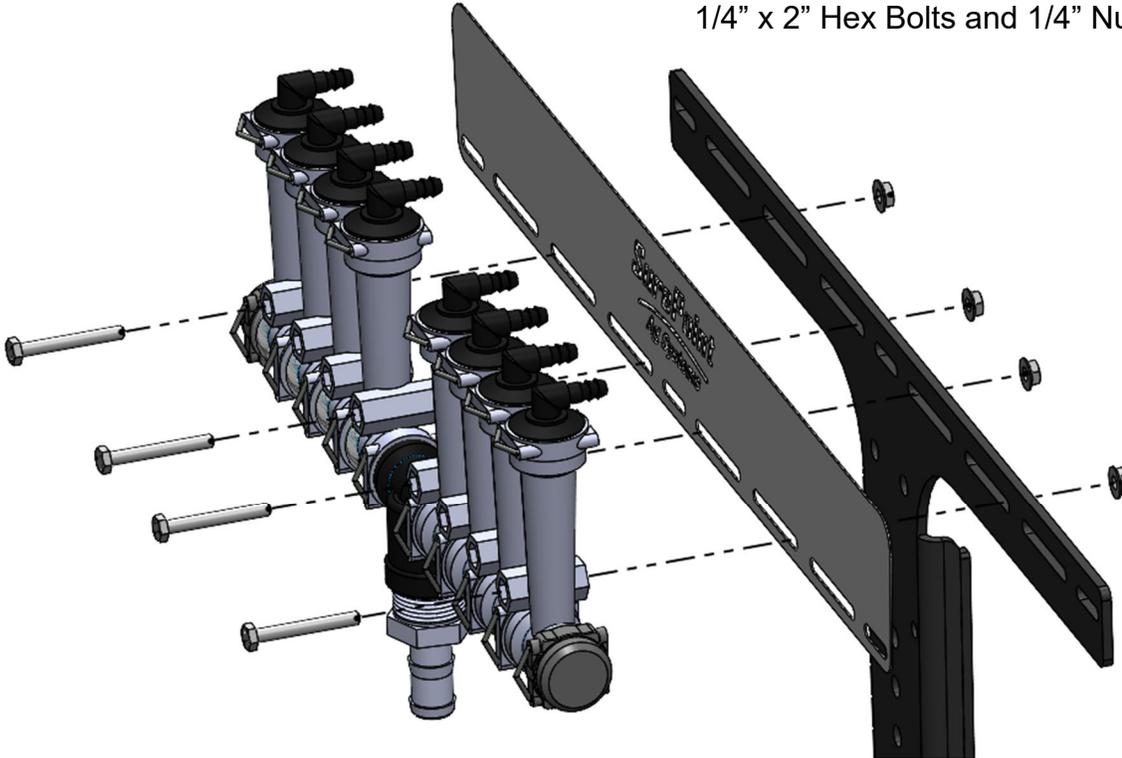
1. Attach 3985Y1 to implement using included U-Bolts and check for clearance.
2. Attach T-Bracket to 3985Y1 using included 1/2"x1" bolts as shown.



Step by Step Instructions

Flow Indicator Mounting:

1. Attach flow indicator and white backer plate using 1/4" x 2" Hex Bolts and 1/4" Nuts as shown.



Sentinel™ Flowmeter Module Mounting

1. Insert head of 5/16" bolts into flowmeter integrated holes as shown.
2. Attach Sentinel™ Flowmeter Module to T-Bracket and tighten flange nuts as shown. Do not overtighten.

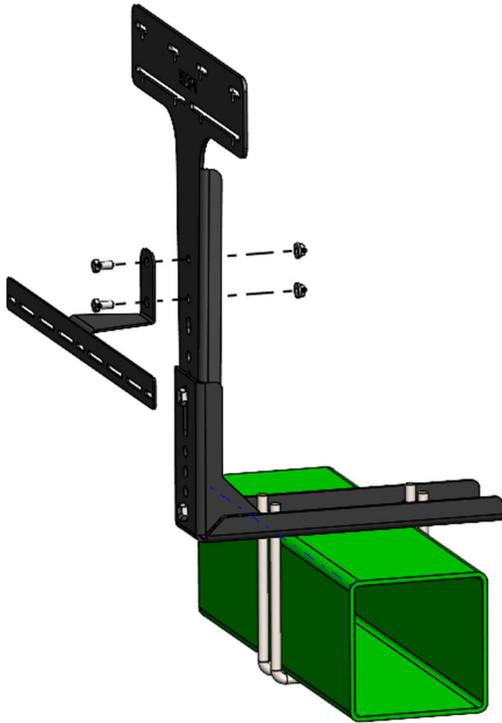
Note: 5/16" bolts and flange nuts are included with separate flowmeter kit.



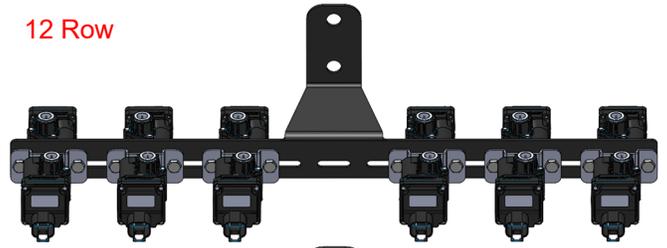
Step by Step Instructions

Add-On Bracket Mounting

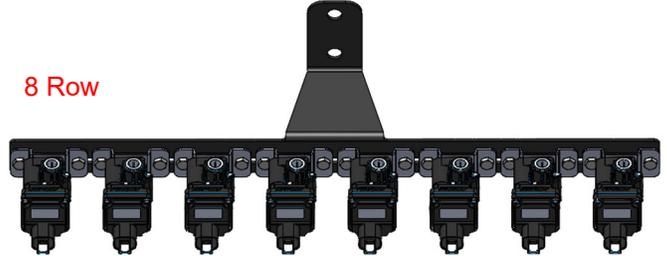
1. Attach 400-1138A1 as shown in the picture Using Included 3/8"x 3/4" Bolts and 3/8" Nuts.



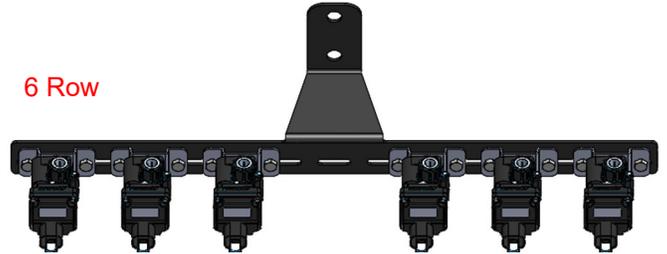
12 Row



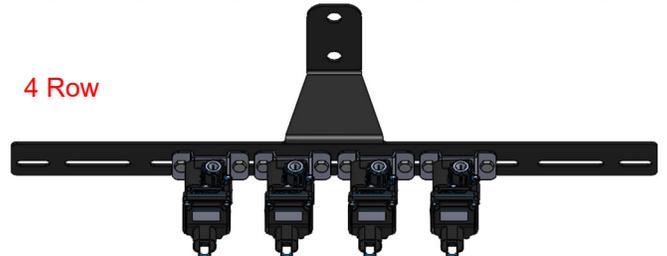
8 Row



6 Row



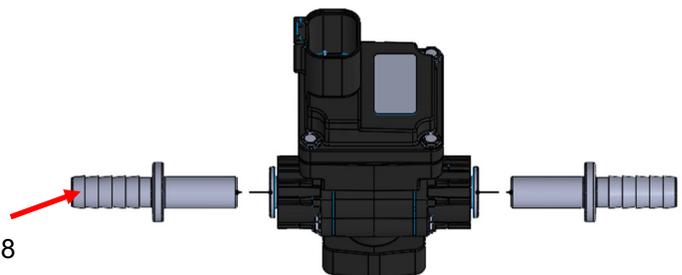
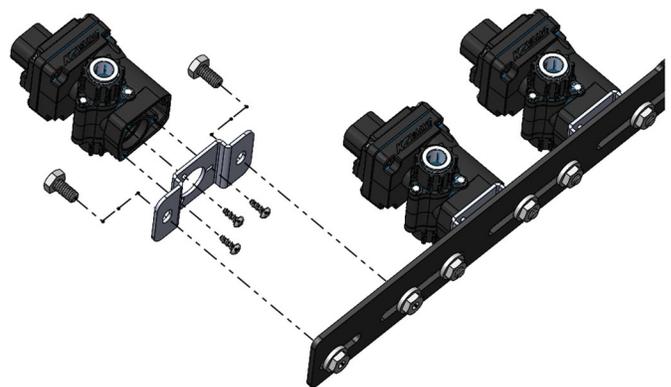
4 Row



Zip Valve Mounting

1. Using Zip valve stainless steel bottom mounting bracket and included screws fix the bracket to the bottom of the zip valve as shown making sure not to over tighten screws.
2. Attach Zip valve and Bracket to 400-1138A1 using 1/4"x 1/2" Bolt and 1/4" Nuts.
3. Repeat steps 1 and 2 to mount all Zip Valves.

Note: Zip valves in kits using Hose Barbs instead of QC Fittings Are fitted with 113-01-038038 as shown in the picture.



113-01-038038