

vSet® Select

Kinze Seed Delivery Finish Kit Installation Guide

Kits 731133, 731134, 731135, 731136, and 731137

Applies to the following Kinze planter models:

Kinze	3600 & 3660	Rows	Row Spacing
		12	30"
		16	30"
		12	36/38"
		12/23	15"
		12/24	15"
		16/31	15"
		16/32	15"
		23	18/19"

Precision Planting®

Contents:

These instructions are applicable for multiple part numbers and finish kits. The primary components of each kit are listed below.

Kinze 3600 & 3660

# of rows / Configuration		12	16	12/23 , 12/24, 23	16/31, 16/32	12
Row Spacing		30"	30"	15", 18", 19"	15"	36", 38"
Finishing Kit Part Number		731133	731134	731135	731136	731137
Part Number	Description					
731119	vSet Select Seed Delivery Base Kit—KZ	1	1	1	1	1
731117	Kinze Entrainer Connector Kit - 1.25"	12	16	24	32	12
731068	OD Connector Kit - 1.25" Straight (Orange)	6	8	6	16	12
731118	OD Connector Kit - 1.25" Straight (Blue)	6	8	6	16	12
731065	OD Connector Kit - 1.25" Sweep (Orange)	3	3	4	5	8
731115	OD Connector Kit - 1.25" Sweep (Blue)	3	3	4	5	8
731080	30" Inter-Row Hose Kit (Orange)	6	8	12	16	*
731110	30" Inter-Row Hose Kit (Blue)	6	8	12	16	*

* You will need to make your own inter-row hoses for this kit.

These components are part of the Seed Delivery Base Kit for Kinze Planters (731119), which is included in all finish kits.

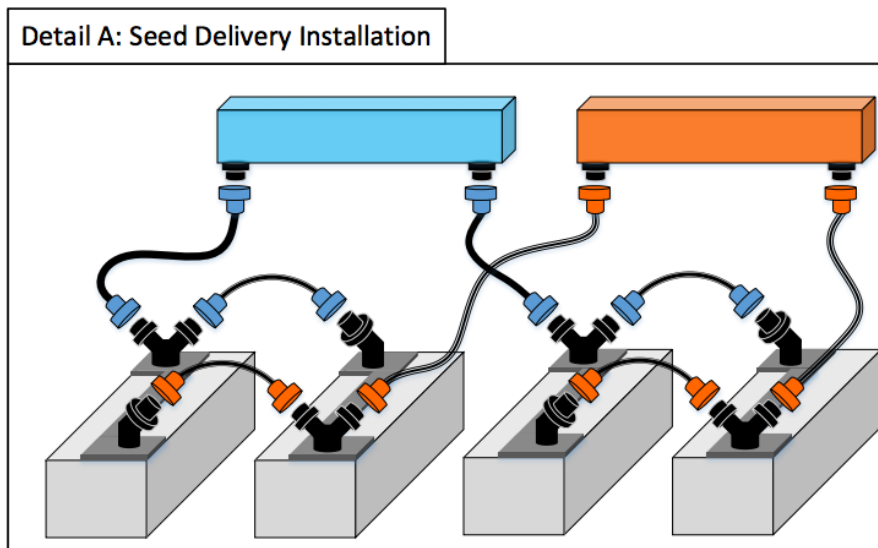
731119

vSet Select Seed Delivery Base Kit - Kinze

Part Number	Description	Quantity
731061	Bulk Tank Label - Blue	2
731062	Bulk Tank Label - Orange	2
731139	1.25" OD Connector Clamp Kit - Orange	4
731140	1.25" OD Connector Clamp Kit - Blue	4
731064	Hose Cutting Tool	1
731092	P-80 Hose Assembly Lubricant 3pk	1
731083	Wrench, Kinze Entrainer Quick-Disconnect	1

Overview:

The Seed Delivery Finishing Kit restructures the existing seed delivery lines to support vSet Select. The OEM configuration of seed delivery lines provides seed to the left and right rows of the planter from their respective bulk seed tank. This finishing kit allows all rows to receive seed from both bulk seed tanks for the dual meter assemblies of vSet Select. See Detail A below for an example.



Step 1

Install the Blue and Orange Bulk Tank Labels. This will reduce confusion throughout the installation process. Install the Blue Bulk Tank Label (731061) on the LEFT tank, when viewed from the rear. Install the Orange Bulk Tank Label (731062) on the RIGHT tank, when viewed from the rear.

Note: It is imperative that the dual meter assemblies and seed delivery lines are installed and routed correctly for accurate control by the 20/20 SeedSense® system.

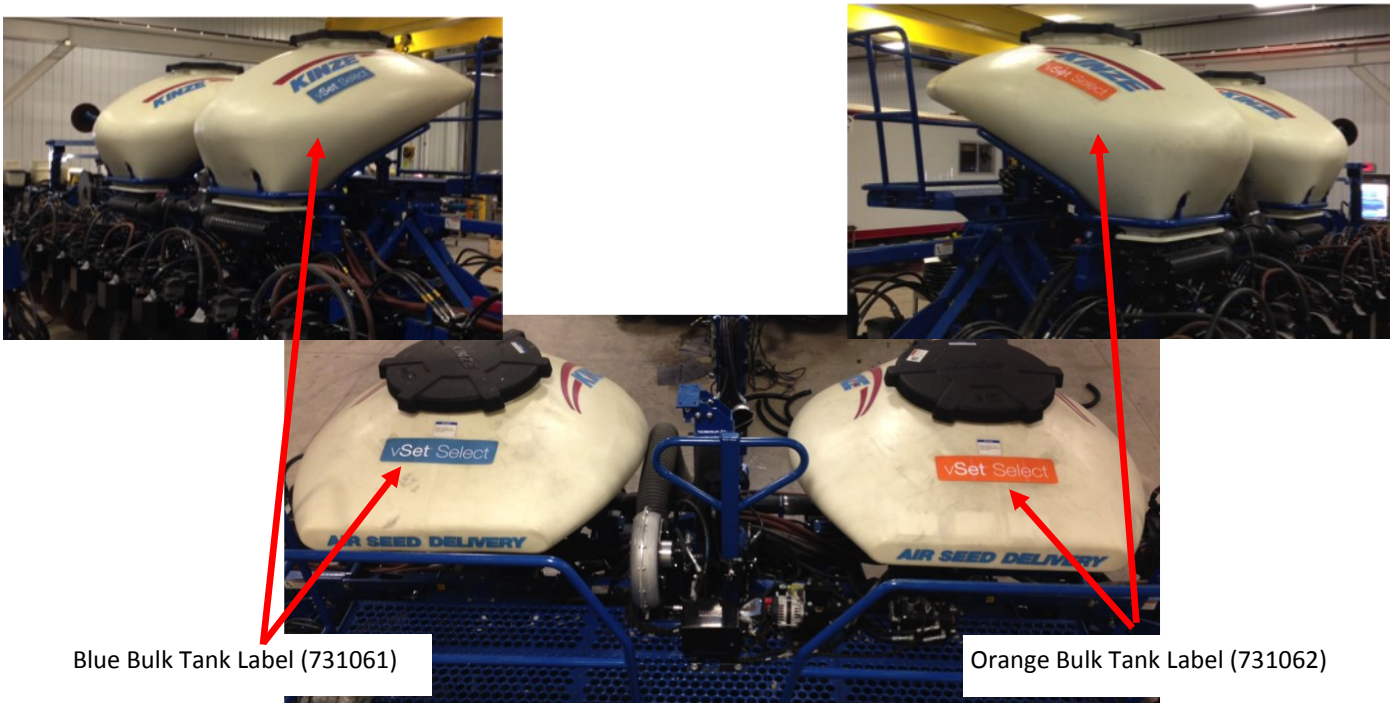


Figure 1: Bulk Seed Tank Label placement

Notes prior to Seed Delivery Hose installation:

- vSet Select will use standard 1.25" Seed Delivery Hose (731073)
- ALL vSet Select installations will require *some* new hose to be added to the system. It is recommended that existing hose be critically judged prior to re-use. Any hose that is re-used should have those portions of the hose previously installed onto internal fittings removed to provide a fresh connection to new fittings.
- Be mindful of all fold points and the actions of the hose around/through these points

Step 2

Begin by connecting the hose completely onto the 1.25" hose barb at the CCS tank. Refer to the example in Figure 2 for the correct orientation of the hoses and the meters to which they should be routed. Specific illustrations are available for each finish kit and corresponding planter in at the end of this guide.

Note: Use the provided P-80 Hose Assembly Lubricant to facilitate hose installation onto all internal fittings. P-80 Hose Assembly Lubricant is a non-toxic emulsion that is designed to facilitate the installation of fittings into stiff rubber hosing and then quickly evaporate without leaving a sticky residue. For standard male hose barbs simply place three drops of the P-80 emulsion onto the

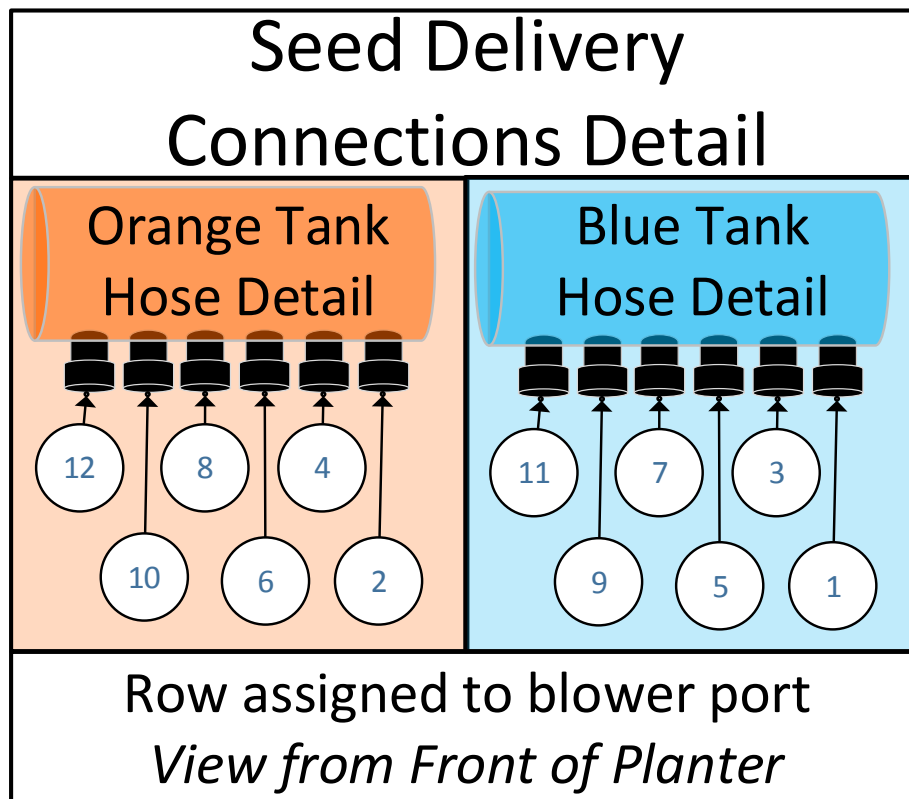


Figure 2: Seed Delivery Hose Orientation example

Step 3

Verify that seed delivery hoses are correctly routed from each bulk tank to each meter. Use figures 3A and 3B for reference and refer to the planter-specific illustrations at the end of this guide.

Note: Prior to filling the hoppers with seed for the first time pour a generous amount of eFlow or similar seed lubricant evenly into the hoppers and pressurize the tank to distribute out to the rows. This will help seed flow in new seed delivery hoses. Also, for the

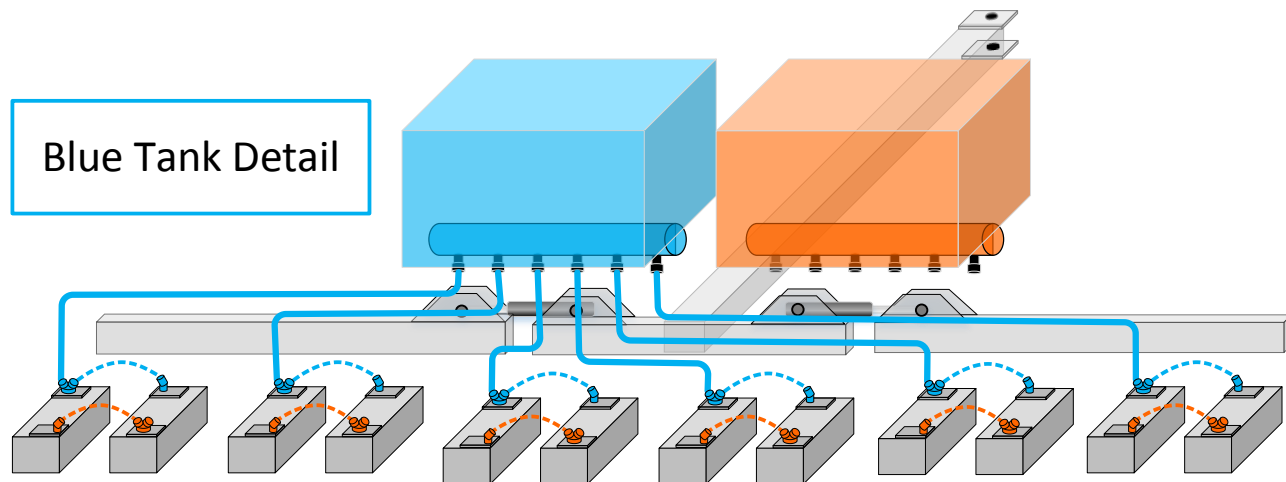


Figure 3A: Seed Delivery Hose Routing—Blue Tank

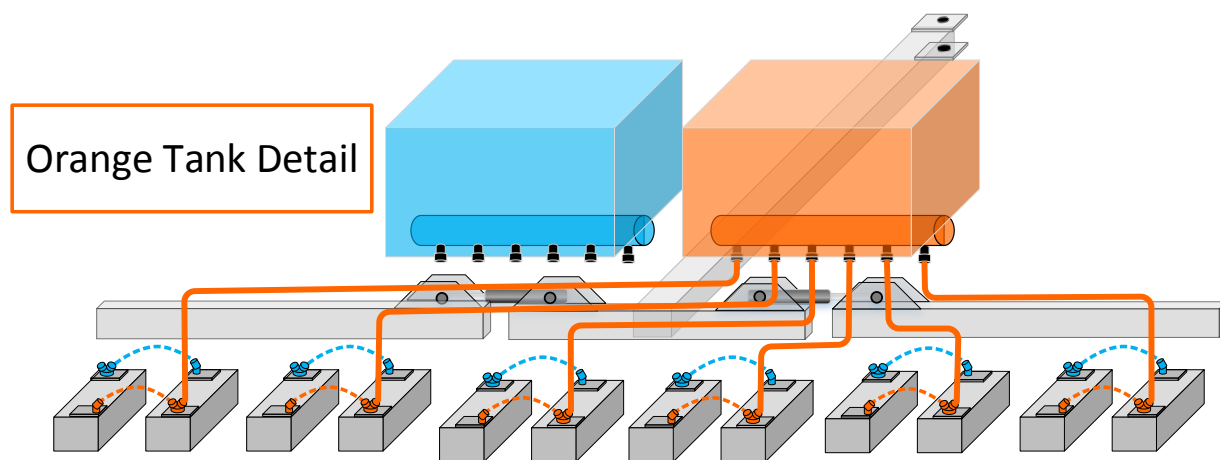


Figure 3B: Seed Delivery Hose Routing—Orange Tank

Step 4

Once the seed delivery hose has been routed to the correct row and meter, mark the length needed and cut the hose. All meters should be installed and in place prior to routing and cutting the hoses so that the proper length is retained.

Note on Cutting Hoses: A clean, straight cut across the hose is required. The helical internal support ribs tend to deflect thin cutting blades like knives and ratcheting pipe cutters causing a jagged or uneven cut. If you are not using a Precision Planting cutting tool to make the cuts, we recommend either:

- a miter box , or
- a miter saw or chop saw with a steel blade labeled for cutting wood. Abrasive style cutting blades commonly installed on chop saws are NOT recommended as they will melt and burn the hose material leaving a rough cut and depositing fine particulates in the hose that may negatively affect seed flow.

Step 5

Once the seed delivery hose has been properly cut, install the 1.25" OD connectors onto the end of the hose. The OD connectors are pre-assembled (see figure 5A with notes). Insert the seed delivery hose into the connector until it is firmly seated. Tighten the two #2 Phillips head screws until the clamps are touching on BOTH sides so that there is an adequate grip between the connector and the hose. An exploded view of the 1.25" OD connectors is shown in figure 5B. BOTH O-ring seals must be installed prior to connecting to the seed delivery hose.

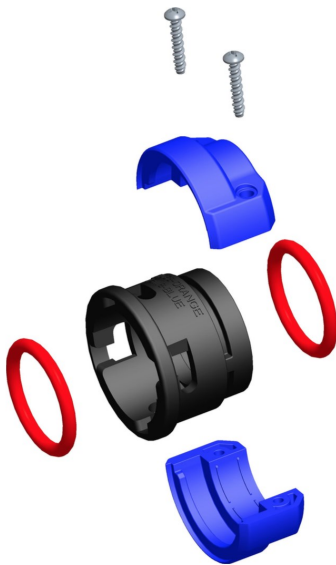
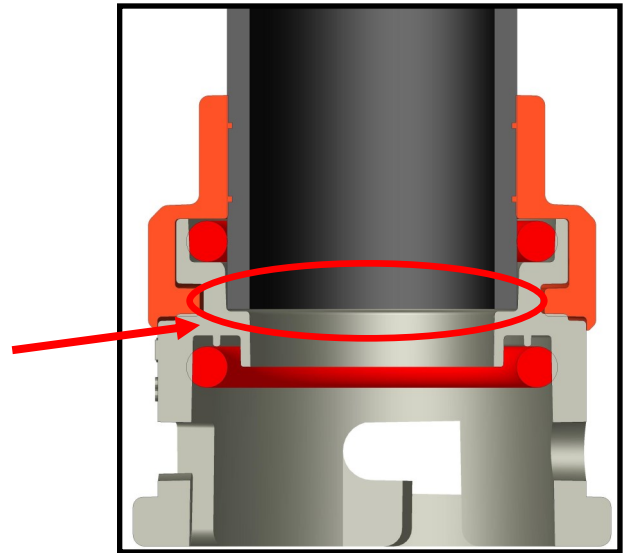
Note: A few sweep style 1.25" OD connectors are included in each base/finishing kit to avoid clearance issues where needed. See figure 5C for an assembled view of the sweep-style connector. Installation of the sweep-style is identical to that of the straight.

The OD connectors minimize the number of changes in diameter the seed must flow through and improves the systems robustness against seed bridging.

With these factors in mind, it is important that the hose is

- cut straight,
- free of burrs or debris,

Figure 5A: OD Connector with Installation Notes



*Figure 5B: Straight Style 1.25" OD connector
(exploded view)*



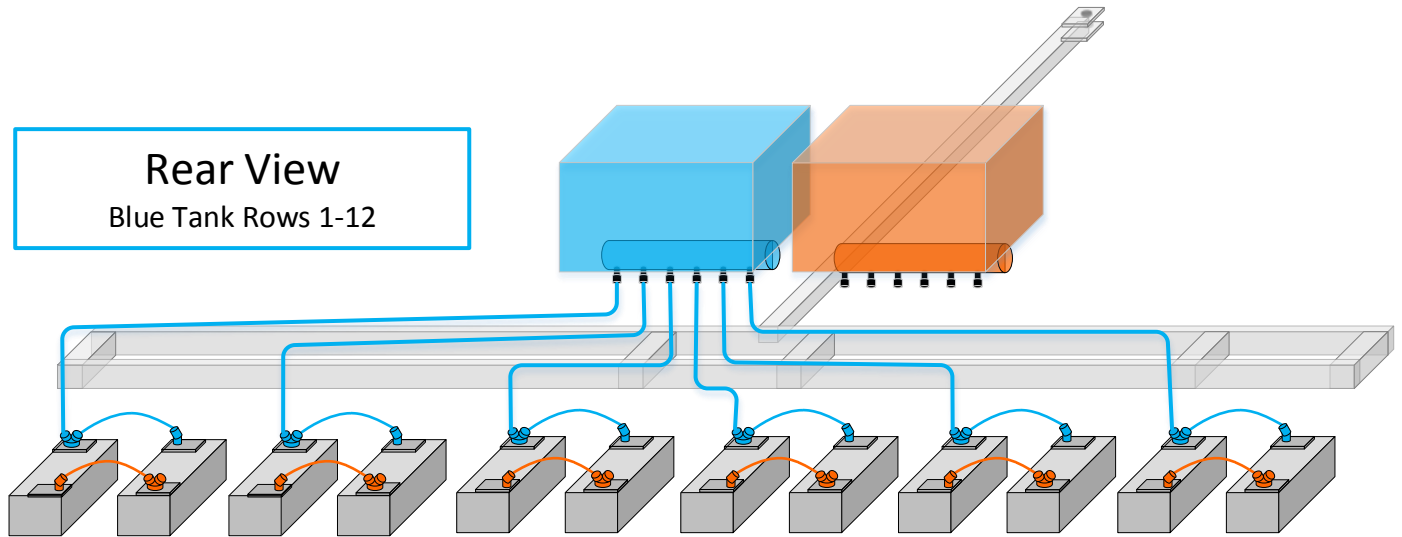
*Figure 5C: Sweep style 1.25" OD connector
(assembled)*

Step 6

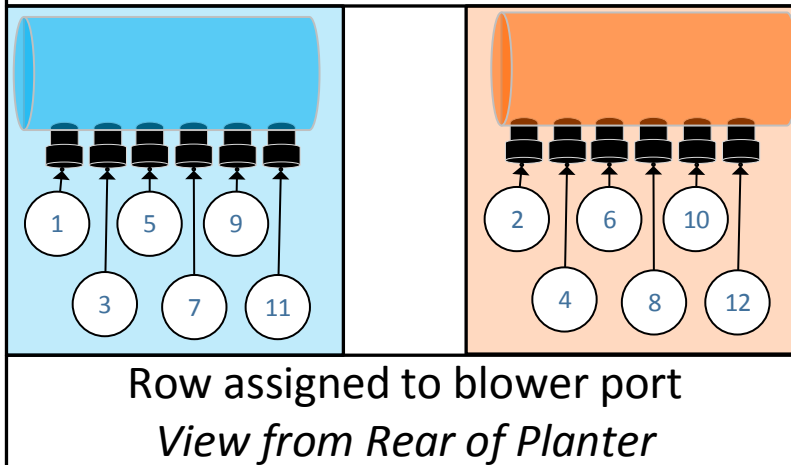
Once the 1.25" OD connectors are installed on the seed delivery hose, complete the installation by connecting the hose to the meter. Verify that each seed delivery hose is correct so that hoses are:

Rear View

Blue Tank Rows 1-12

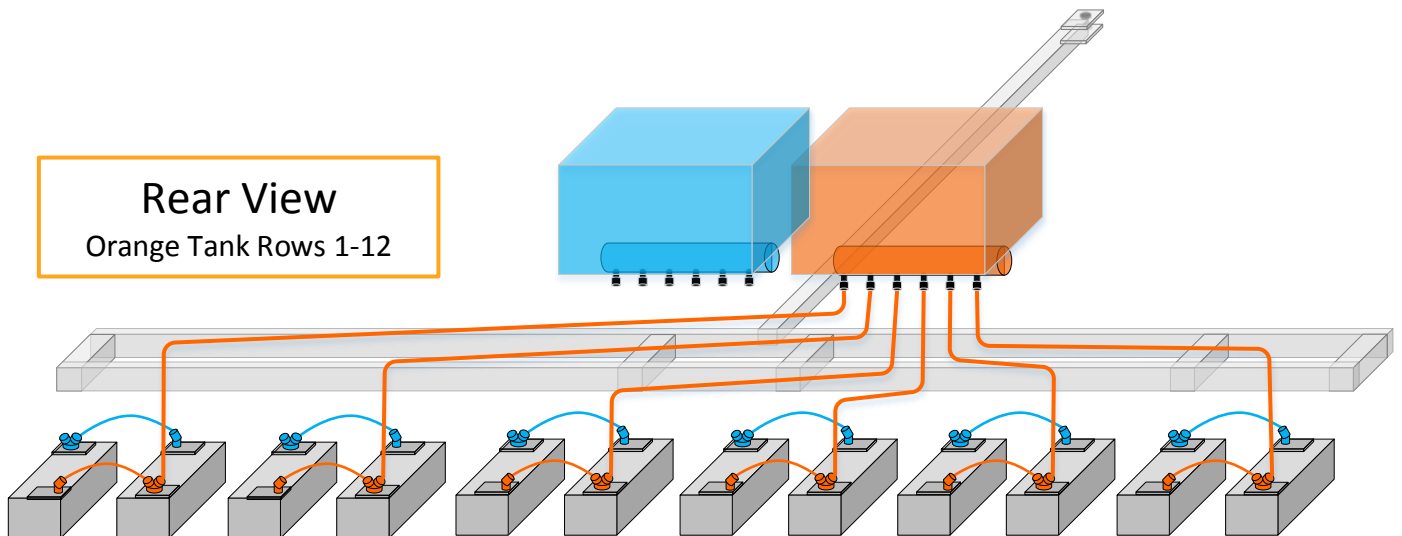


Seed Delivery Connections Details



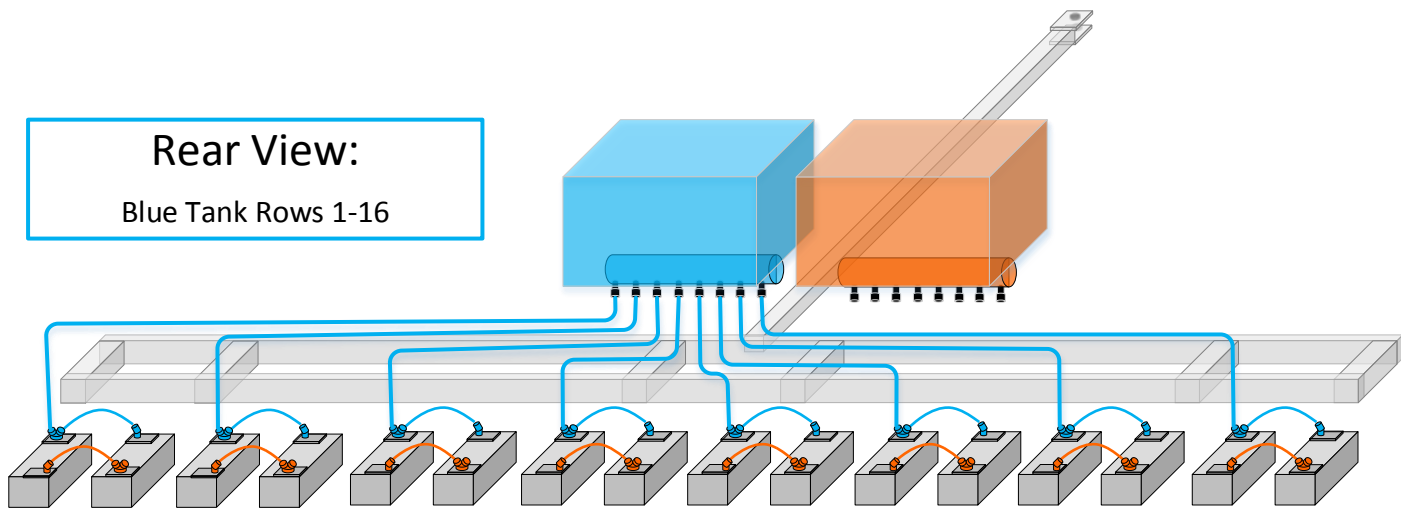
Rear View

Orange Tank Rows 1-12

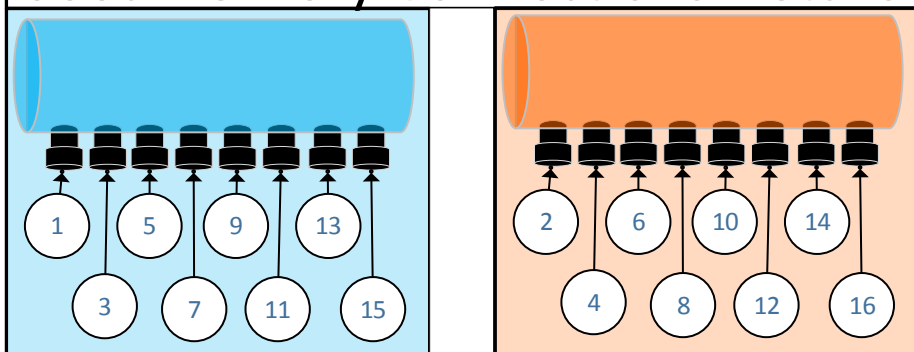


Rear View:

Blue Tank Rows 1-16



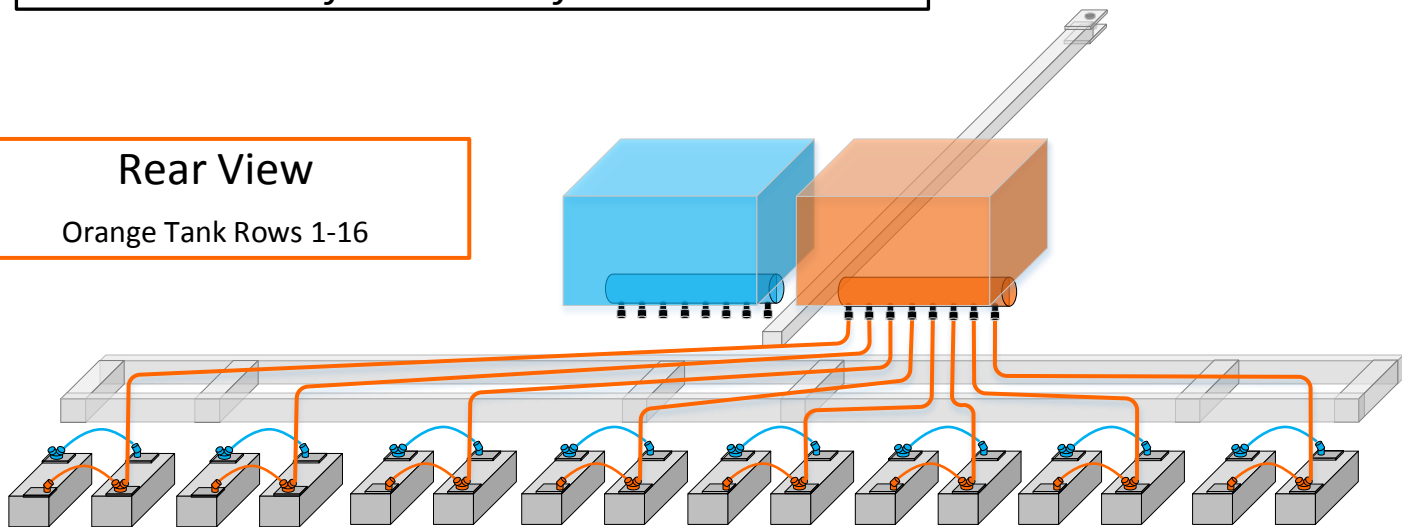
Seed Delivery Connections Details



Row assigned to blower port
View from Rear of Planter

Rear View

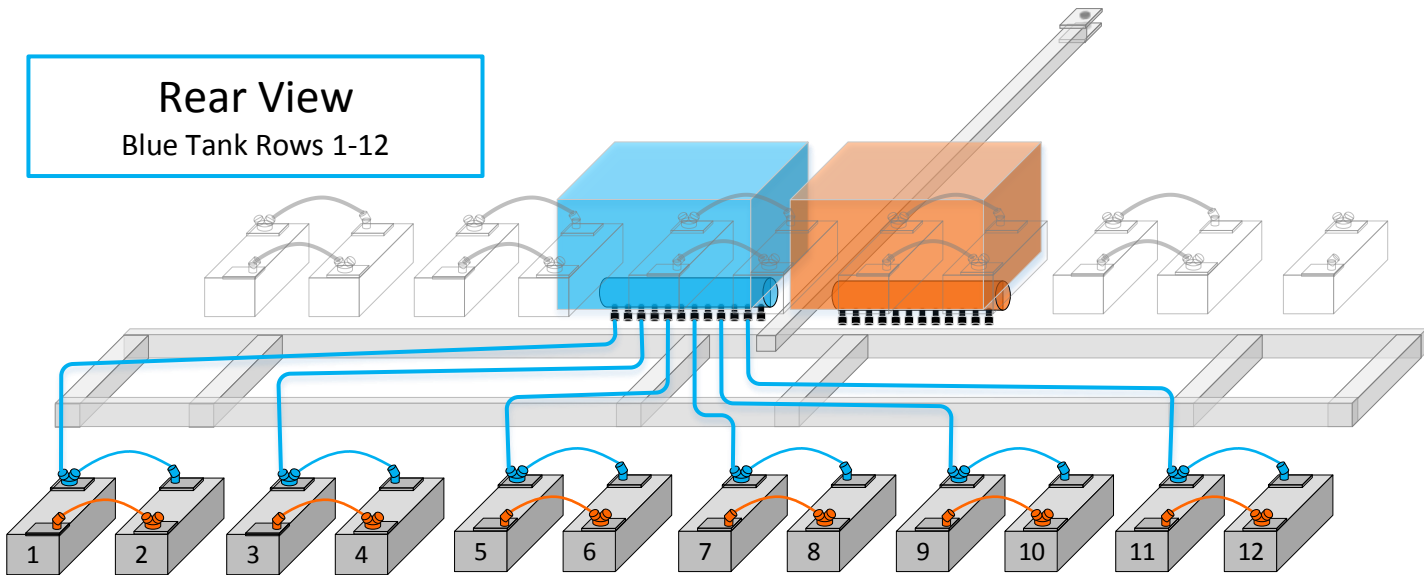
Orange Tank Rows 1-16



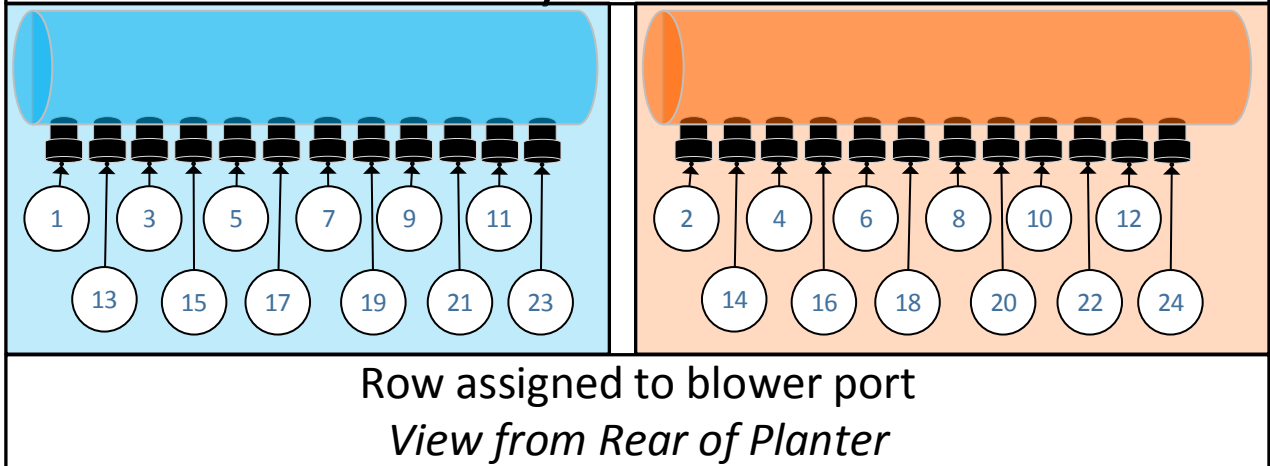
Kinze 3600 & 3660 12/23 & 12/24 Row 15" — Rear Rows

Rear View

Blue Tank Rows 1-12

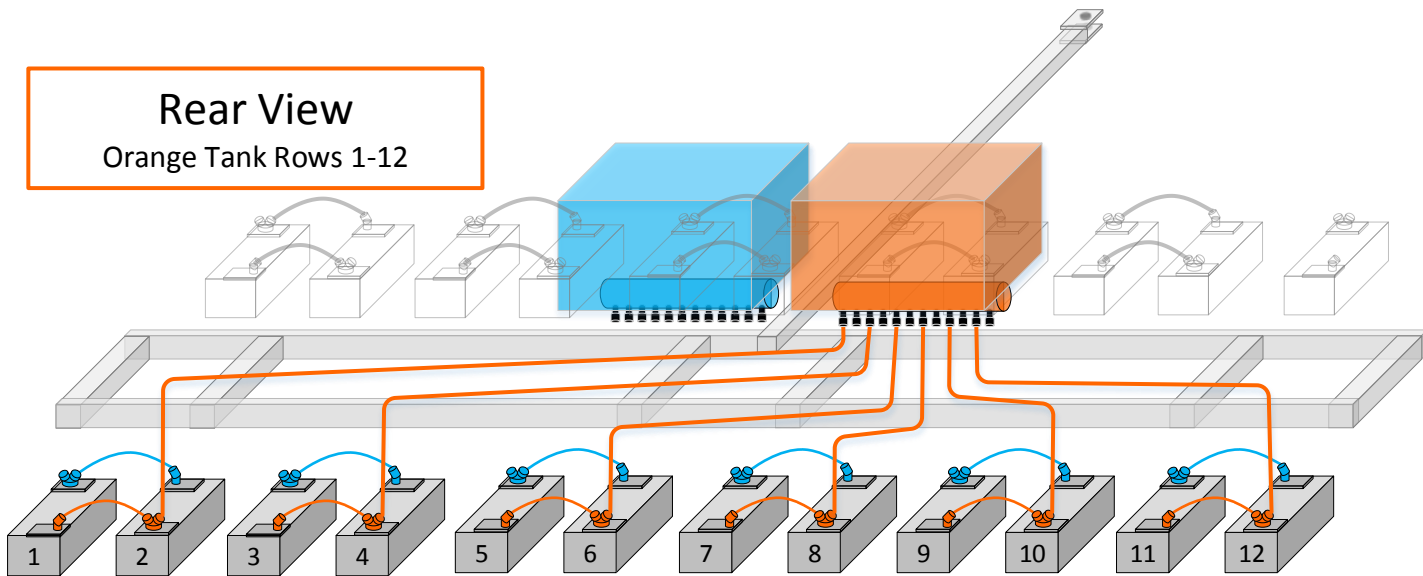


Seed Delivery Connections Detail



Rear View

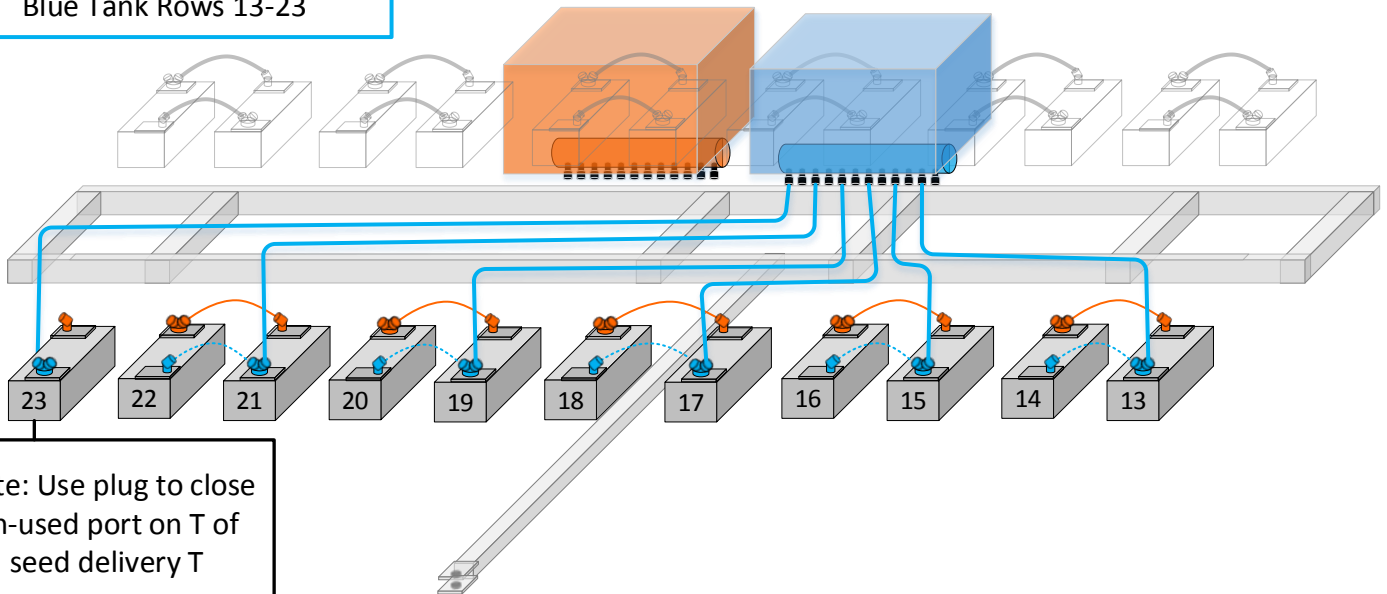
Orange Tank Rows 1-12



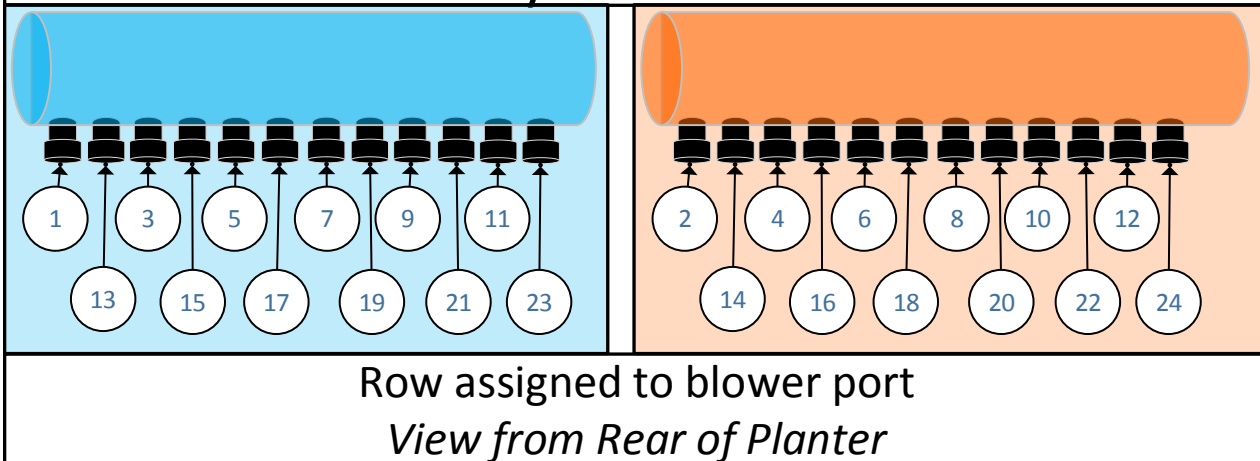
Front View

Blue Tank Rows 13-23

Kinze 3600 & 3660 12/23 & 12/24 Row 15" —Front Rows

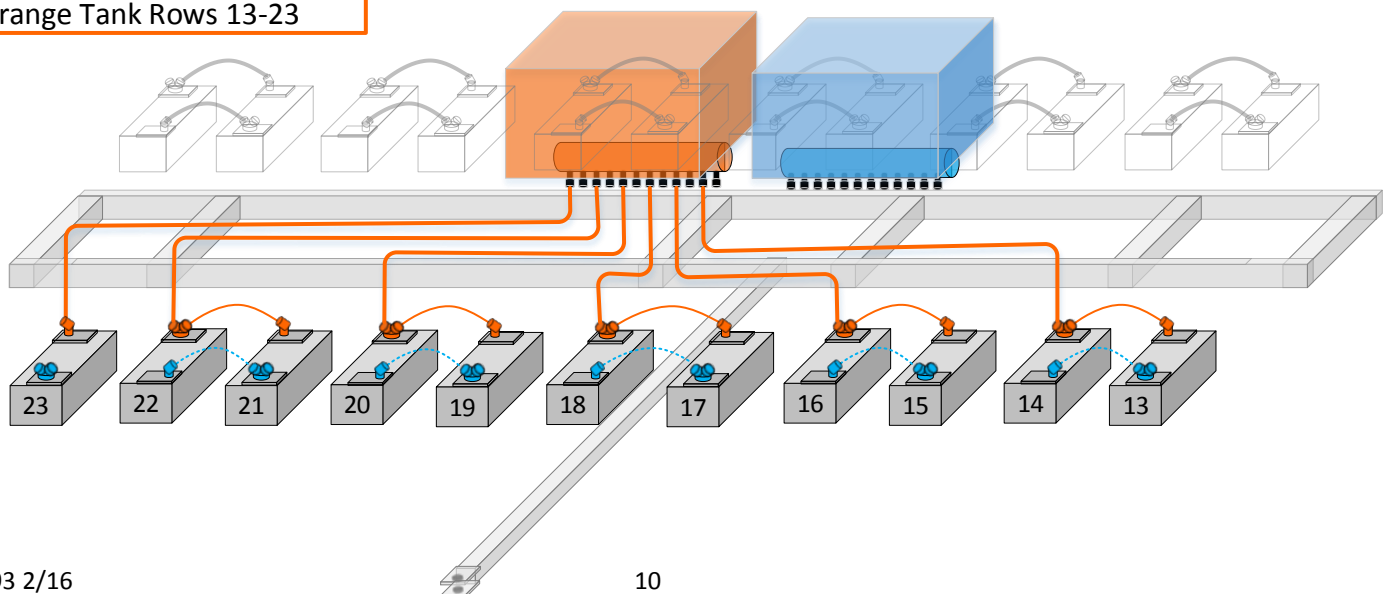


Seed Delivery Connections Details



Front View

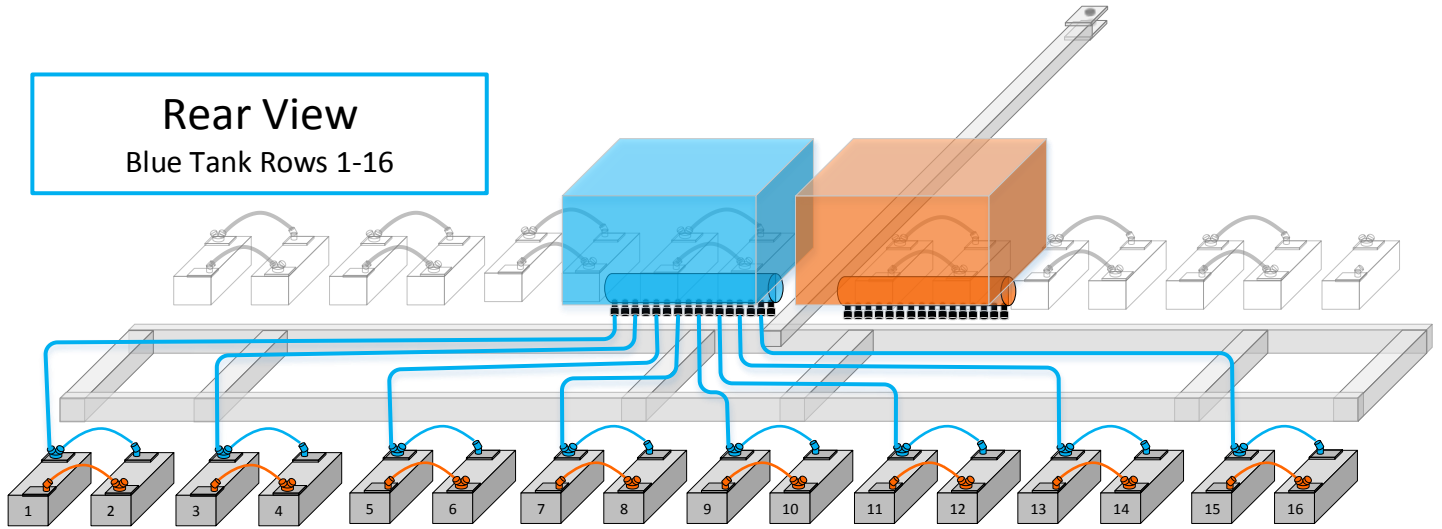
Orange Tank Rows 13-23



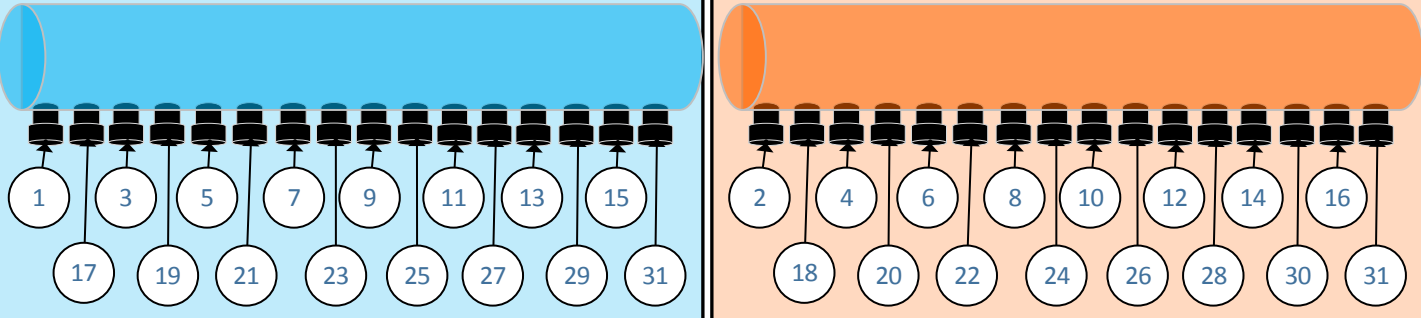
Kinze 3600 & 3660 16/31 & 16/32 Row 15" — Rear Rows

Rear View

Blue Tank Rows 1-16



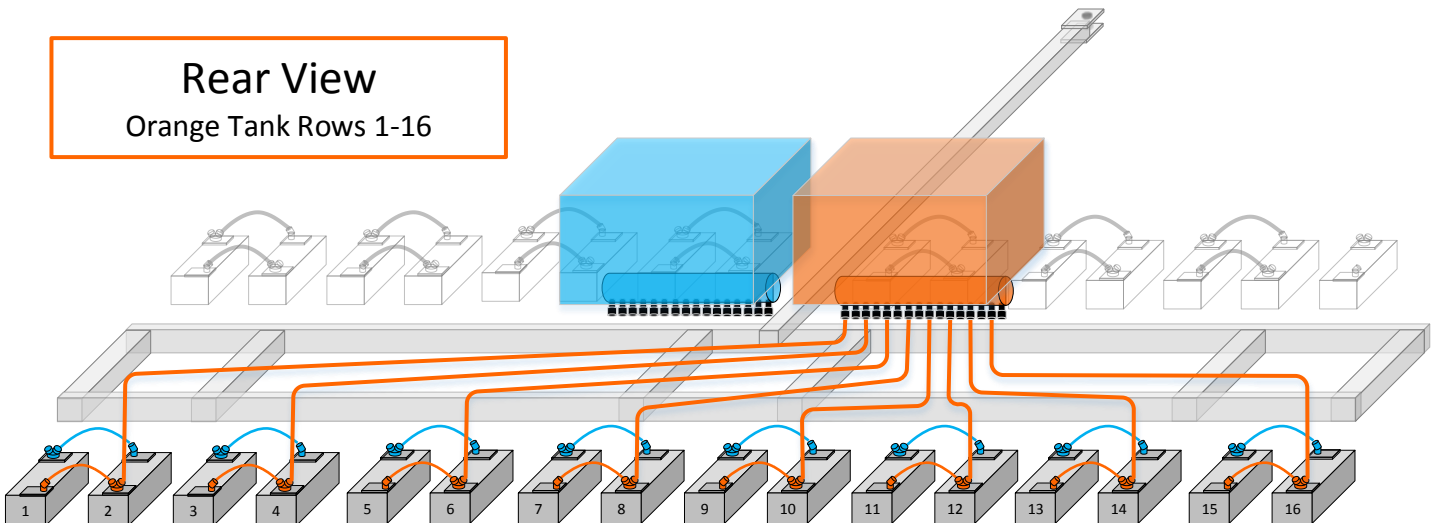
Seed Delivery Connection Details



Row assigned to blower port
View from Rear of Planter

Rear View

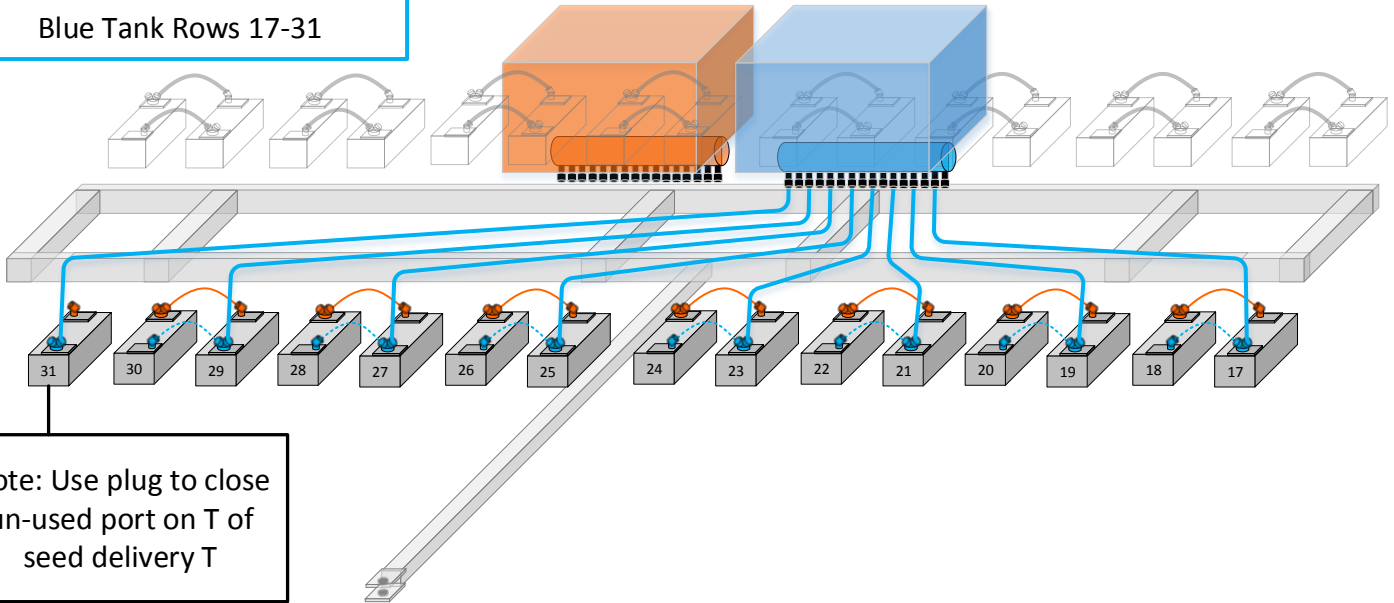
Orange Tank Rows 1-16



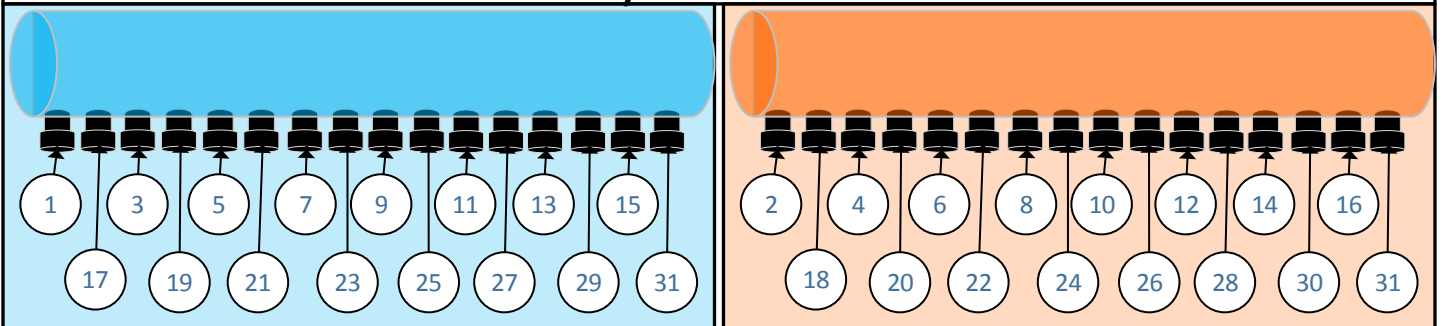
Kinze 3600 & 3660 16/31 & 16/32 Row 15" — Front Rows

Front View

Blue Tank Rows 17-31



Seed Delivery Connection Details



Row assigned to blower port

View from Rear of Planter

Front View

Orange Tank Rows 17-31

