

AGXCEL GX2/GX5 MANIFOLD KITS

MANIFOLD KIT OVERVIEW

ALL MANIFOLDS ARE CUSTOM TO NEEDS OF EACH ORDER

The AgXcel GX2/GX5 Manifold Assembly Kit is packaged with all the necessary manifold and plumbing components to warrant your season goes without any issues. Each component and placement of each component as shown in the installation guide maintains that precision liquid placement is achieved. To maintain the quality of the AgXcel liquid manifold system, each manifold is pre-assembled at the factory to guarantee the following 5 things happen!



116 E 6TH ST
KEARNEY NE 68847

877.218.1981

AgXcel's GX2/GX5 Manifold, Factory PRE-Assembly:

Example GX2 Manifold 12 row

1. Safeguards that each manifold O-ring is properly lubricated to ensure long lasting durability even under the most demanding conditions and to prevent any leaking.

2. Confirms that the correct floating ball is installed in each column for appropriate monitoring.

3. Manifolds are mounted on custom laser cut powder coated backdrop panels to ensure appropriate visibility.

4. Laser cut powder coated mounting brackets are also included so that the customer may mount the manifold assembly directly to the tool bar with a custom fit.



5. AgXcel also recommends where manifold brackets are to be placed so that each drop stays within a specific length to ensure precision liquid placement on each row – **for example** on a 16 row planter, manifolds are assembled to be mounted on an 8 x 8 setup on each wing and NOT 16 rows in the center of the planter. Setting a manifold system in a solid 16 row configuration will not allow for even flow to all 16 rows on the implement.



4# Check Valve



10# Check Valve

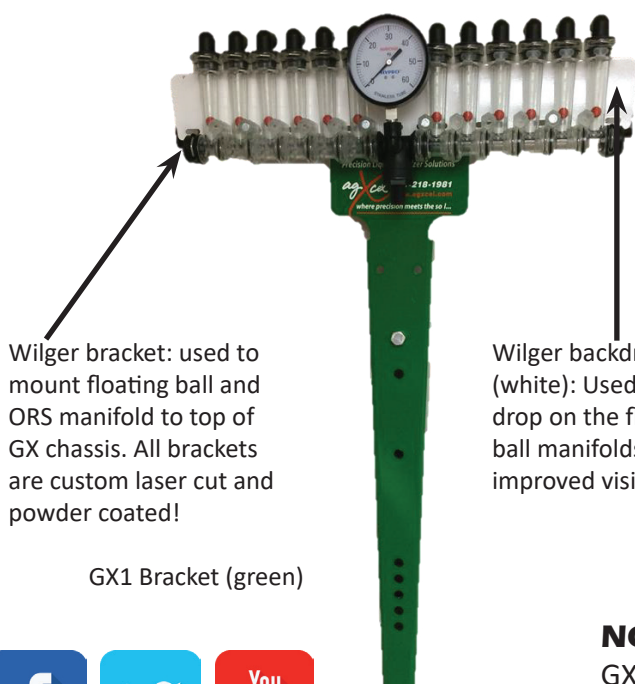
AgXcel's Check Valves:

Not only are AgXcel's check valves pressure tested, but we also torque the caps on each diaphragm check valve to meet factory specifications. This quality check prevents issues in the field and allows for appropriate flow which is critical to precision liquid application. Instructions are provided regarding the appropriate installation location for check valves and orifice. Following these directions allows for each row to produce the correct flow in ounces per minute, per row.



AgXcel has 3 different manifold systems – all manifold systems come pre-assembled.

1. The Wilger floating ball manifold system.
2. The AgXcel ORS manifold system.
3. The AgXcel Dual metering tube manifold system (Also known as GX6 Manifold)
 - Appropriate amount of 1/4" tubing, 3/8" tubing or 3/8" hose (depending on the application volume). AgXcel tubing is UV stable, durable and strong the 1/4" is 9% EVA, and the 3/8" is 9% EVA for proper flex without kinking. This is VERY critical when routing through an implement!
 - High pressure (200 psi) 3/4" black hose along with hose clamps.
 - Each row of the implement will have 4# or 10# check valves (depending on the application volume) with a quick connect fitting on each end or 3/8" hose barb on the 10# check valve.
 - There are three sets of orifices that are packaged according to the rate requirements. AgXcel always provides 2 additional orifices of each set just in case one gets lost in the field.
 - A 3/4" two way ball valve kit, which includes one ball valve, and 10 #12 stainless steel clamps.
 - A plumbing kit with extra items for plumbing the GX system is included as an emergency kit in all of the manifold systems. This includes two tee hose barbs, four 3/4" MNPT elbow x 3/4" hose barb elbow, hose menders, 1" MNPT x 3/4" hose barb, 3/4" MNPT x 3/4" hose barb, and 3/4" hose barb elbow with O ring. This kit will come in handy in a pinch when out in the field!
 - A 4" stainless steel remote pressure gauge kit, (either 60psi or 160psi) which is comprised of: a bracket and a magnet mount, as well as an in line gauge tee, and a quick connect poly fitting. Dependant on order this Gauge Kit and be incorporated in the Wilger set up eliminating need for a remote kit.
 - AgXcel also includes an emergency field kit that supplies extra components that we have found over the years to be required out in the field. The field kit includes an extra Wilger cap, a few extra 1/4" collets, a 90 degree cap with a 1/4 collet, 1/4" quick connects, an extra U clip, all conveniently placed into a clear tube for transport and storage!
 - Finally, included is a pack of black cable ties for you to "tie it all together"!

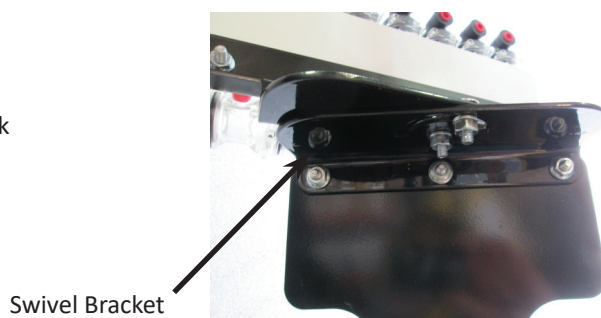


Wilger bracket: used to mount floating ball and ORS manifold to top of GX chassis. All brackets are custom laser cut and powder coated!

GX1 Bracket (green)

Wilger backdrop (white): Used as a back drop on the floating ball manifolds for improved visibility.

The laser cut, powder coated GX1 chassis with precision cut top swivel bracket for mounting manifolds with directional feature mounting - allowing the manifold to swivel for improved view. It turns the Wilgers up to 90 degrees!



Swivel Bracket

NOTE: For full manifold details and components see our GX Manifold Manual on our website via the support tab.

