

AGXCEL FLOATING BALL GUIDE

NOTE: For full parts listing for our manifold options be sure to check our GX Manifold Manual available on our website via the Support tab.

For rates **less than** 10 GPA, AgXcel recommends the use of the low flow columns with 1/4" push to connect outlet fittings.

BALL SELECTION FOR 30" ROWS - LOW FLOW		
1-3 GPA	18077	Green Plastic* Ball
2-4 GPA	18078	Red Plastic* Ball
3-6 GPA	18079	Maroon Glass Ball
5-10 GPA	18080	Stainless Steel Ball
*These balls may float to the top with heavier fertilizers, such as 10-34-0. Use Maroon glass in this case.		
LOW FLOW INDICATORS WITH 1/4" PTC OUTLET		
COLUMN FLOW	.03 - .30 GPM	
LF COLUMN WITH 3/8" PTC	.03 -.70 GPM	
EQUIVALENT APPLICATION RATE ON 30" ROWS @ 6MPH 1 - 10 GPA		

The high flow column is typically used with rates over 10 GPA on 30" rows.

BALL SELECTION FOR 30" ROWS - STD FLOW		
3-6 GPA	18077	Green Plastic* Ball
3-10 GPA	18078	Red Plastic* Ball
10-20 GPA	18079	Maroon Glass Ball
13-70 GPA	18080	Stainless Steel Ball
*These balls may float to the top with heavier fertilizers, such as 10-34-0. Use Maroon glass in this case.		
STD FLOW INDICATORS WITH 3/8" BARB OUTLET		
COLUMN FLOW	.05 - 2.70 GPM	
EQUIVALENT APPLICATION RATE ON 30" ROWS @ 6MPH 2 - 70 GPA		

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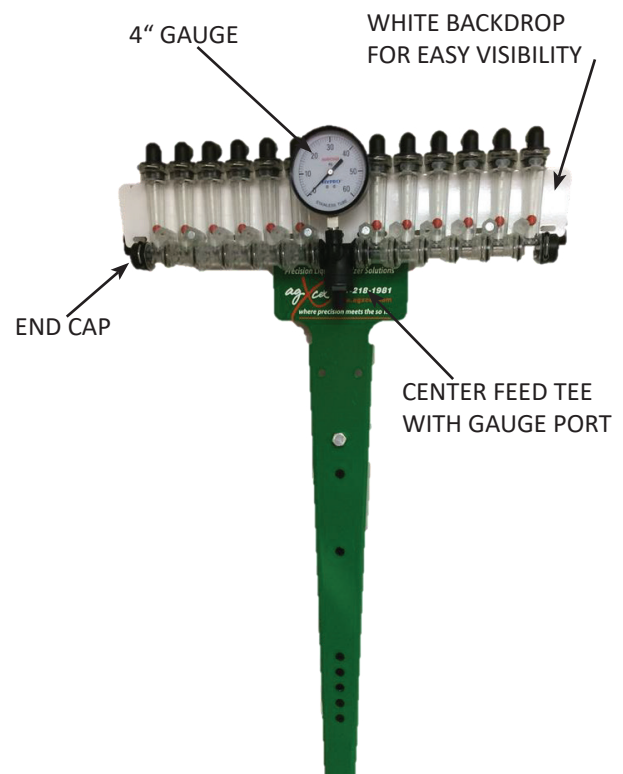


The low flow columns have a smaller interior diameter allowing a heavier ball to monitor a smaller flow.

"LOW FLOW"
MOLDED IN COLUMN



All the same fittings work for both the low flow and standard flow columns.



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FLOATING BALL MANIFOLDS

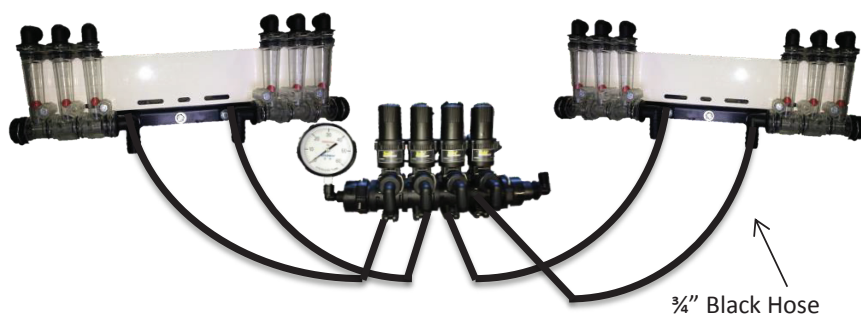


Floating ball manifolds are extremely flexible and can be mounted in many different configurations on various types of liquid application implements. The following illustrations will provide some general concepts on how to configure your implement

12 Row

Split 3--3--3--3

Shown here is a 12 row with four 3 row sections controlled by four section valves. Note each 6 row T-Bracket can hold two separate 3 row manifolds. A 4 section 24 row could be similar with four 6 row manifolds on two large T-Brackets.

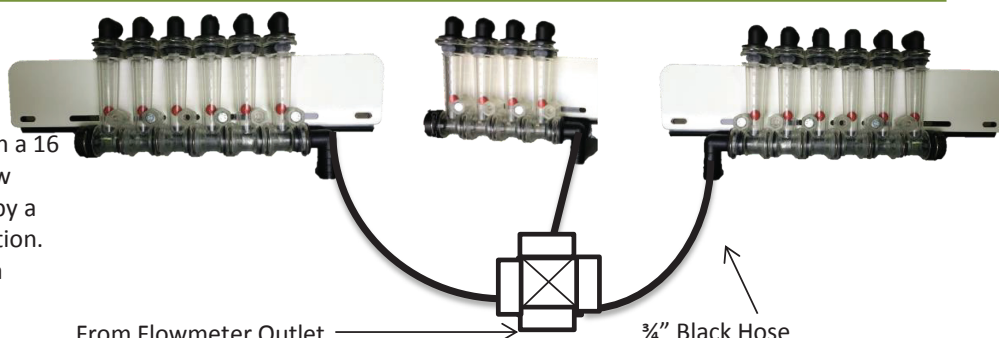


3/4" Black Hose

16 Row

Split 6--4--6

This configuration works well on a 16 row front fold planter. Each flow indicator manifold is shown fed by a cross in a single section installation. Each manifold could be fed by a section valve if desired.



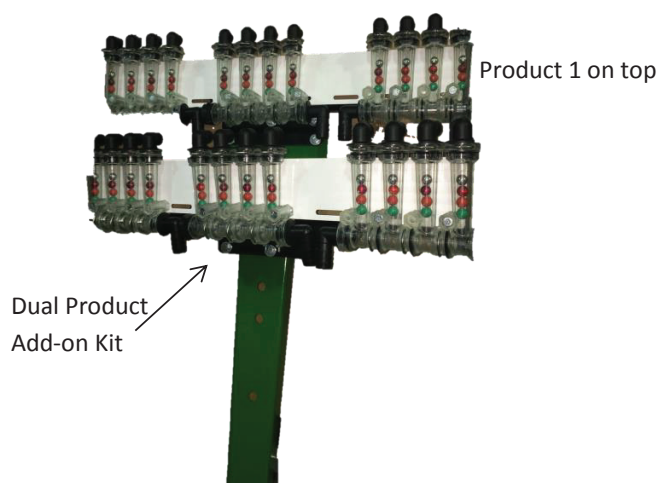
From Flowmeter Outlet

3/4" Black Hose

12 Row Dual Product

Product 1 Split 4--4--4/Product 2 Split 4--4--4

Shown here is a 12 row with four 3 row sections controlled by four section valves. Note each 6 row T-Bracket can hold two separate 3 row manifolds. A 4 section 24 row could be similar with four 6 row manifolds on two large T-Brackets.

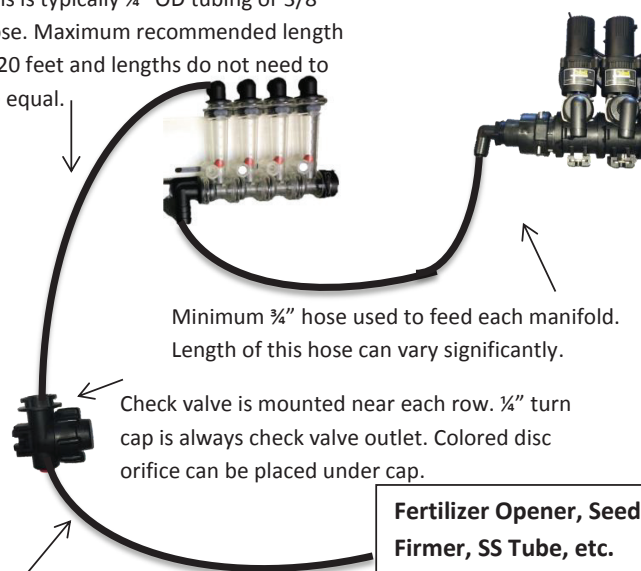


Product 1 on top

Dual Product
Add-on Kit

Plumbing Overview

This is typically 1/4" OD tubing or 3/8" hose. Maximum recommended length is 20 feet and lengths do not need to be equal.



Minimum 1/4" hose used to feed each manifold. Length of this hose can vary significantly.

Check valve is mounted near each row. 1/4" turn cap is always check valve outlet. Colored disc orifice can be placed under cap.

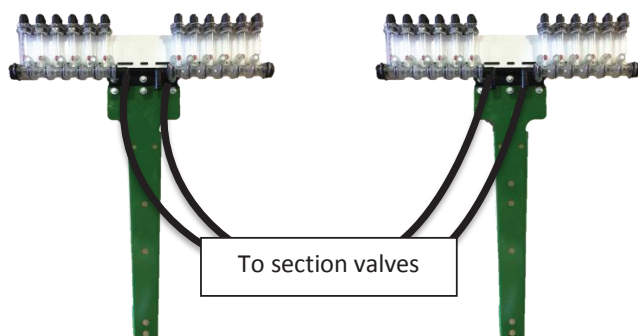
Fertilizer Opener, Seed Firmer, SS Tube, etc.

This is usually 1/4" OD tubing or 3/8" hose. Typical length is 1-4' with check valves place on each row that distance from ground.



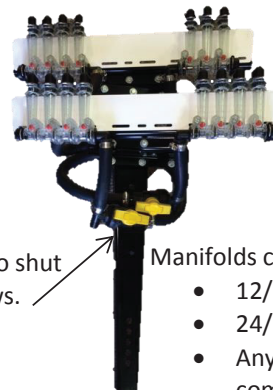
24 Row Planter with 4

This is a 24 Row implement that is set up with 4 sections



Planter with Interplant

This system is to be used to shut off planters when corn is spaced at 30" and beans are spaced at 15". For example inner-plant planters.



Ball valve is used to shut off inner-plant rows.

Manifolds can be set up for:

- 12/23
- 24/31
- Any other combination

FLOW COLUMN COMPONENTS		
	PN#	DESCRIPTION
	18032	3/4" Hose Shank Inlet
	18034	3/4" Hose Shank Inlet - 90 degree
	18039	Column End cap & Clip
	25682	Clip Only
	18082	Mounting Bracket for PN#406
	18088	Mounting Bracket for PN#414
	18083	Mounting Bracket for PN#20106
	406	up to 6R Flow Column Backdrop (white)
	414	up to 8R Flow Column Backdrop (white)
	20106	7-12R Flow Column Backdrop (white)
	25687	Wilger Low Flow Column w/balls,clip, retainer (no top)
	20985	Wilger Standard Column w/balls,clip, retainer (no top)
	18037	Wilger center fed tee (will need PN# 32239 1" MNPT X 3/4" HB to connect inlet hose - see pg. 22)
	25681	Flow column ball retainer

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VISUAL PARTS INDEX

This is a visual index of our most common components and replacement parts for ease of ordering. If you do not see the component used in your kit, please contact our office for assistance.



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FLOW COLUMN COMPONENTS		
	PN#	DESCRIPTION
	25709	Wilger Top cap 1/4" QC
	25712	Collet for 1/4" QC (not pictured)
	18034	3/4" Hose Shank Inlet - 90 degree
	17655	Wilger Top Cap 3/8" QC
	25718	Collet for 3/8" QC (not pictured)
	38260	GX Chassis (Tomahawk)
	19992	Buna "O" ring for use between flow columns & on wilger tops
	25686	Viton "O" ring for use between flow columns & on wilger tops
	32239	3/4" Hose Shank Inlet (used with center fed tee PN# 18037)
	52142	1/4" Poly Elbow (used with center fed tee PN# 18037 tee for gauge)
	18077	Green Plastic ball
	18078	Red Plastic ball
	18079	Maroon Glass ball
	18080	Stainless Steel ball
	262	QC3 - 1/4" QC TO 1/4" QC
	20407	QC15 - 3/8" QC TO 3/8" QC (not pictured)
	38240	QC7 - 1/4" QC TO 3/8" QC

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PLUMBING

308	3/4" Black Hose (Use #12 Clamps - PN#19646)
19920	1/4" Black Tubing
54121	3/8" Black Tubing
17614	3/8" Black Hose (Use #6 Clamps - PN#17649)



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