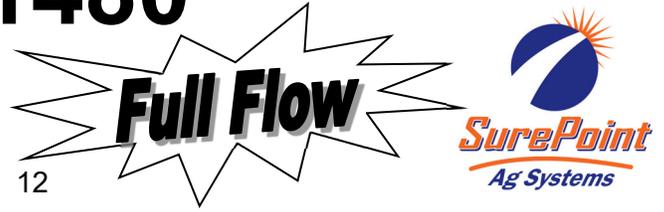


# 396-001480

## Floating Ball Flow Indicators- Full Flow Column (mostly 3/8" HB)



The full flow column is typically used with rates over 10 GPA on 30" rows. For rates less than 10 GPA SurePoint recommends the low flow columns with 1/4" push to connect outlet fittings.

The full flow columns are most often assembled with 3/8" hose barb outlets. See the low flow info below for the difference between full and low flow columns.

400-2010A1 12  
Row White  
Visibility Backer  
Plate

701-20460-95  
Full Flow Column  
w/ 3/8" HB Outlet

701-20521-00  
End Cap

701-20525-00  
Center Fed Tee  
with Gauge Port

101-100075BRB  
1" MPT x 3/4" HB

1/4" x 2"  
Bolt

400-1036A2  
7-12 Row  
Bracket

380-1001  
Fits 7"x7" Tube

### Full Flow Indicators w/ 3/8" Hose Barb Outlet

Column Flow (GPM): .05-2.70 GPM  
Equivalent Application Rate  
On 30" Rows at 6 MPH: 2-70 GPA

### Ball Selection for 30" Rows

GPM	GPA	Ball
.05-.18	2-6	Green Plastic*
.09-.30	3-10	Red Plastic*
.31-.72	10-20	Maroon Glass
.40-2.1	13-70	Stainless Steel (1/2")

\*Plastic balls may float on heavier fertilizers, such as 10-34-0. SurePoint recommends using the low flow column for these flow rates.

## Low Flow Column (mostly 1/4" QC)

The low flow column has a smaller internal diameter. This means a heavier ball can be used to monitor a smaller flow.

SurePoint uses the low flow columns with 1/4" push to connect outlet fittings. The flow capability of 1/4" tubing and the low flow column are a great pair for rates on 30" rows under 10 GPA.

Externally, the low flow column can only be identified by "Low Flow" molded into one side of the column. All the same fittings work with low flow and full flow columns.

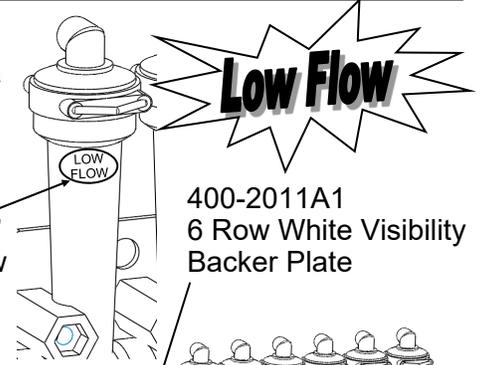
### Low Flow Indicators w/ 1/4" Push to Connect Outlet

Column Flow (GPM): .03-.30 GPM  
\*\*\* Low Flow Column with 3/8" hose barb .03 - .70 GPM  
Equivalent Application Rate  
On 30" Rows at 6 MPH (1/4" QC): 1-10 GPA

### Ball Selection for 30" Rows

GPM	GPA	Ball
.03-.09	1-3	Green Plastic*
.05-.14	2-4	Red Plastic*
.10-.18	3-6	Maroon Glass
.15-.70	5-10	Stainless Steel (1/2")

\*These balls may float on heavier fertilizers, such as 10-34-0. Use Maroon Glass in this case.



400-2011A1  
6 Row White  
Visibility  
Backer  
Plate

701-20513-00  
3/4" HB 90  
degree inlet

400-1037A1  
3-6 Row  
Bracket

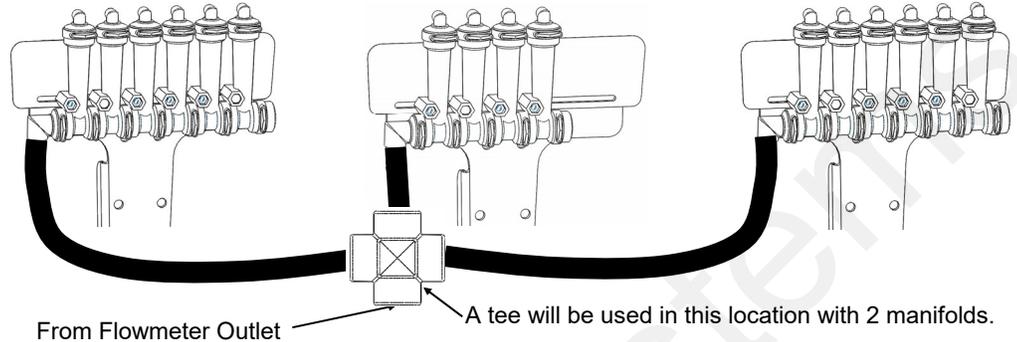
# Floating Ball Flow Indicators



Flow Indicators are extremely flexible and can be mounted in hundreds of different configurations on various types of liquid application equipment. This page is to give you some ideas and let you customize the installation for what works best on your equipment.

## 16 Row Split 6 - 4 - 6

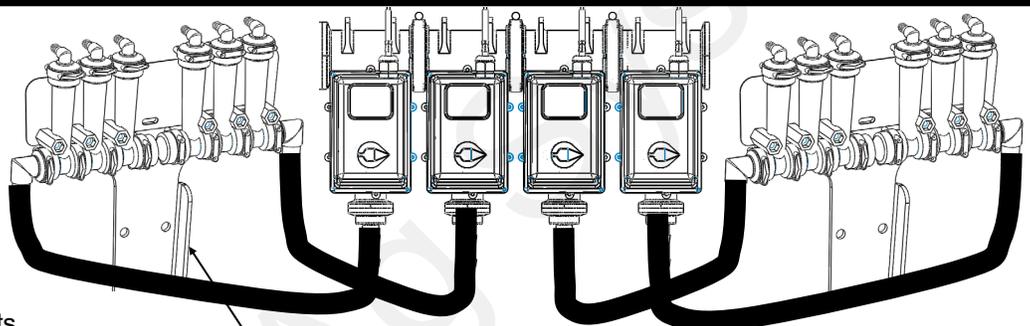
This configuration works well on a 16 row front fold planter. Each flow indicator manifold is shown fed by a cross in a single section installation. Each manifold could be fed by a section valve if desired.



## 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.

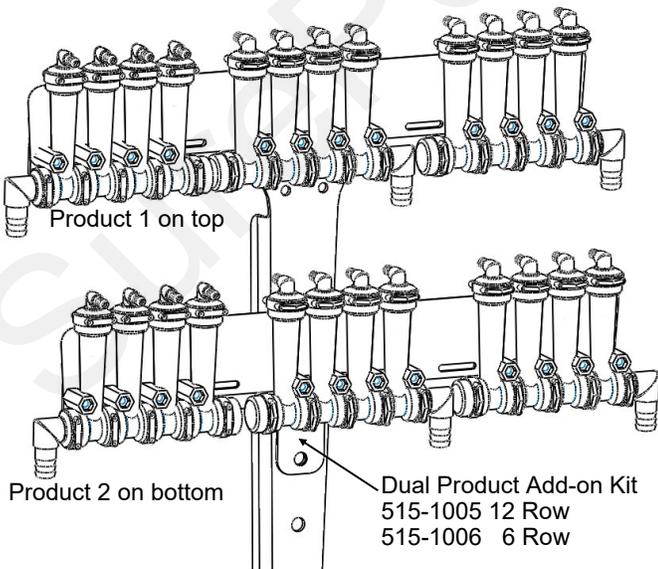
A 4 section 24 row could be similar with four 6 row manifolds on two large T-Brackets.



NOTE: Another option is the flange can face forward so the T-Bracket could be mounted on the front side of a bar.

## 12 Row Dual Product Product 1 Split 4 - 4 - 4 / Product 2 Split 4 - 4 - 4

In this case each manifold would be fed by a section valve. There would be 6 total section valves (3 sections X 2 products). Most often one set (top) of flow indicators would be Full Flow for high rate fertilizer and 2nd set (bottom) would be Low Flow for starter.



## General Plumbing Guidelines

