

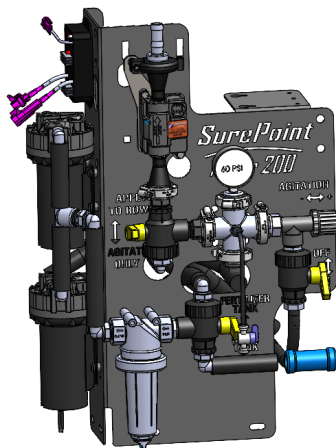
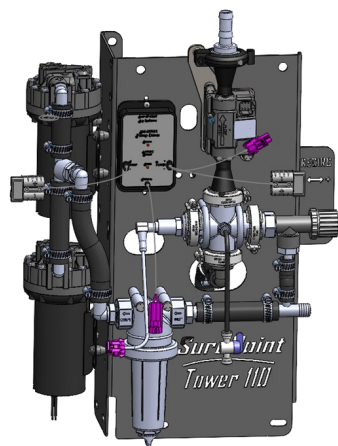
396-6697Y1 Tower 110 & 200 Emag Flowmeter Update

Part Info Sheet



0.2 - 24 GPM Orion 3 DN10 Emag Flowmeter P/N 204-01-462032A-DN10

0.08-1.6 GPM Orion 3 DN4 Emag Flowmeter P/N 204-01-46203GA-DN4



6-Pin Deutsch connector

Use adapter 201-5954Y1 to connect to 3-pin AMP Superseal harness.

OR Alternate adapter 201-6647Y1 to connect to 3-pin MP Shroud

For 0.08-1.6 (DN4) flowmeter you may also need one of these three divide-by-8 cables for controllers that CANNOT handle a 5-digit calibration number.:

201-14266 (for multiple controllers)

201-17842 (for multiple controllers)

201-19849 (for Case ECU controller)

| Controller- Flow Cals are listed in Pulses per Gallon unless noted | DN10 .2-24 GPM Flow Cal Number | DN10 .2-24 GPM Flow Cal Number with Divide by 8 Cable | DN4 .08-1.6 GPM Flow Cal Number | DN4 .08-1.6 GPM Flow Cal Number with Divide by 8 Cable |
|---|--------------------------------------|--|---------------------------------------|---|
| Sentinel | 4542 | 568 | 37854 | 4732 |
| Commander | Requires Divide by 8 Cable | 1136 | N/A | N/A |
| Commander II | 9084 | 1136 | 75708 | 9464 |
| John Deere | 4542 | 568 | 37854 | 4732 |
| Ag Leader | 4542 | 568 | 37854 | 4732 |
| Trimble | 4542 | 568 | 37854 | 4732 |
| Raven | 4542 | 568 | 37854 | 4732 |
| Topcon | 4542 | 568 | 37854 | 4732 |
| Case (ECU) Pulses per 10 Liters | Requires Divide by 8 Cable | 1499 | N/A | N/A |
| Case (UCM) Pulses per Liter | 1199 | 150 | 9993 | 1249 |

Orion 3 Flowmeter will need to adapt from the 6-Pin Deutsch to the flowmeter plug on the harness. These adapters are listed on page 2.

The "Divide by 8" adapter harness must be used in applications where the controller will not accept the required flow cal number. The "Divide by 8" adapters listed on the next page could be on your system and will need to use the above flow cal number associated with your controller.

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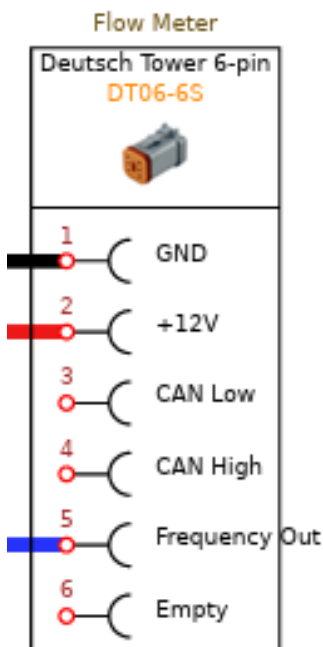
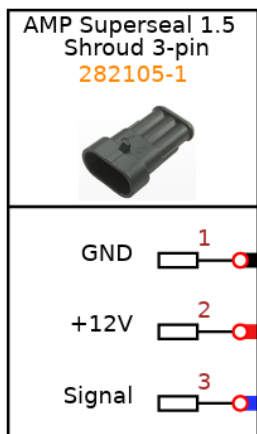
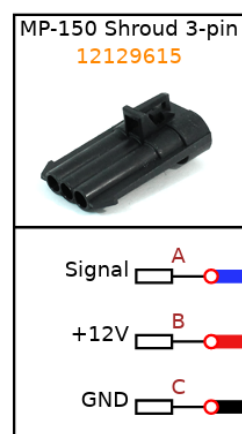
Part Info Sheet



0.2 - 24 GPM Orion 3 DN10 Emag Flowmeter P/N 204-01-462032A-DN10

0.08-1.6 GPM Orion 3 DN4 Emag Flowmeter P/N 204-01-46203GA-DN4

| Adapter Part Number | Description | Uses |
|-----------------------------|--|---|
| 201-5954Y1 | 3-Pin AMP Superseal Shroud to 6-Pin Deutsch Tower | Pump final cable to Orion 3 Flowmeter |
| 201-6647Y1 | 3-Pin MP Shroud to 6-Pin Deutsch Tower | Pump final cable to Orion 3 Flowmeter used on Commander II and E-Mag Flowmeter with Blue Sticker and White Lettering. |
| Divide by 8 Adapters | The "Divide by 8" adapter harness must be used in applications where the controller will not accept the required flow cal number. | Could be on your existing system and will need to use correct flow cal from chart on previous page. |
| 201-14226 | 3-Pin MP Shroud to 3-Pin MP Tower with divide by 8 | Multiple Controllers |
| 201-17842 | 3-Pin MP Shroud to 3-Pin AMP Superseal Tower with divide by 8 | Multiple Controllers |
| 201-19849 | 3-Pin AMP Superseal Shroud to 3-Pin AMP Superseal Tower with divide by 8 | Used commonly with Case Planter with ECU |



Adapter Harness Connections Shown to the Left.

201-14226 -Shown with divide by 8 module circled.



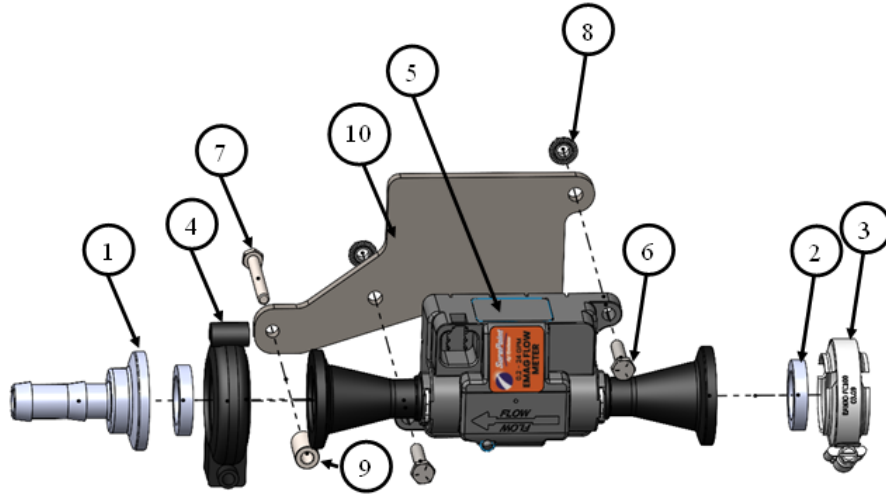
SurePoint recommends you perform a catch test to verify the system is properly installed and configured. Adjust the flow cal as needed based on accurate catch tests with the actual product or

Warning!!!

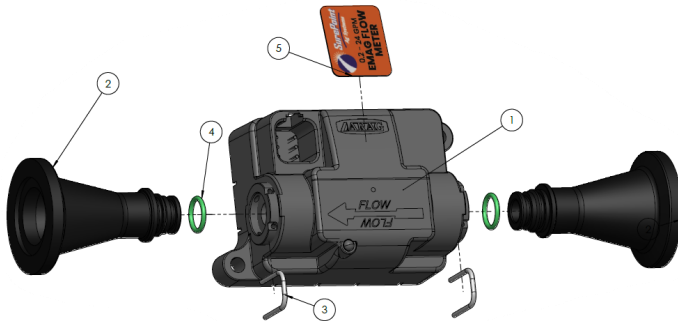
-Before doing any welding on the implement, unplug the cable to the flowmeter, or damage to the flowmeter may result.

-Do not power wash the flowmeter. High pressure spray directed at the back edge of the face plate or at the wire connector may allow water into the flowmeter electronics.

Parts List and Exploded View



| ITEM # | Part Number | Description | QTY |
|--------|---------------------|---|-----|
| 1 | 105-100075BRB | 1" Manifold x 3/4" HB | 1 |
| 2 | 105-100G-H | 1" EPDM Manifold Gasket | 2 |
| 3 | 105-FC100 | 1" Manifold Clamp | 1 |
| 4 | 105-UFC100 | 1" UF Clamp | 1 |
| 5 | 204-01-462032A-DN10 | Flowmeter Assembly, Orion3 Emag, 0.2 - 24 GPM, M100 Flange | 1 |
| or | 204-01-46203GA-DN04 | Flowmeter Assembly, Orion 3 Emag, 0.08-1.6 GPM, M100 Flange | |
| 6 | 300-040108-SS | 1/4" x 1-1/2" Hex Head Bolt - SS | 2 |
| 7 | 300-M655MM-10.9 | M6 x 55mm, Hex Flange Head Bolt - Grade 10.9 | 1 |
| 8 | 323-04-SS | 1/4" Flange Nut -SS | 2 |
| 9 | 400-6633Y1 | Spacer Bushing, Steel 1/2"OD x 1/4" ID x 7/8" Long | 1 |
| 10 | 410-6613Y1-BK | Spacer, Orion 3 Flowmeter With Tab for Tower | 1 |



| ITEM # | Part Number | Description | QTY |
|--------|---------------------|---|-----|
| 1 | 204-01-462032A-DN10 | Flowmeter, Orion3 Emag, 0.2 - 24 GPM, T1F Connection | 1 |
| or | 204-01-46203GA-DN04 | Flowmeter, Orion 3 Emag, 0.08 -1.6GPM, TIF Connection | |
| 2 | 120-M100T1M | Flange Fitting, M100 x T1M Fork Fitting | 2 |
| 3 | 124-02-010001 | T1 Fork | 2 |
| 4 | 124-01-G11056-V | Viton O-Ring for T1 Fittings | 2 |
| 5 | 398-20-6313Y1 | Decal, EMAG (Orion 3) Flowmeter 0.2—24 GPM | 1 |
| or | 398-20-6312Y1 | Decal, EMAG (Orion 3) Flowmeter 0.08-1.6 GPM | |