



# **396-5470Y1**

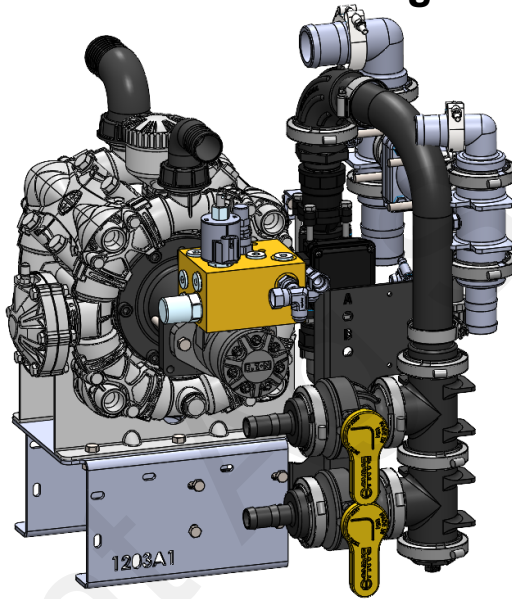
## **Gen3 Manual Dual Metering Tube**

### **Valve Bolt-On Kit for PR40/D250/PR80**

### **Installation Instructions**

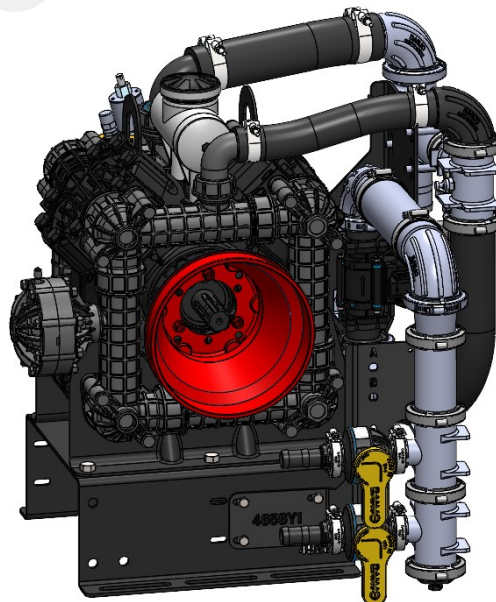
**Kit Number: 522-03-100525**

**Kit Description: Gen3 Manual Dual Metering Tube Bolt-On Kit**  
**(For PR40/D250)**



**Kit Number: 522-03-100530**

**Kit Description: Gen3 Manual Dual Metering Tube Bolt-On Kit**  
**(For PR80)**



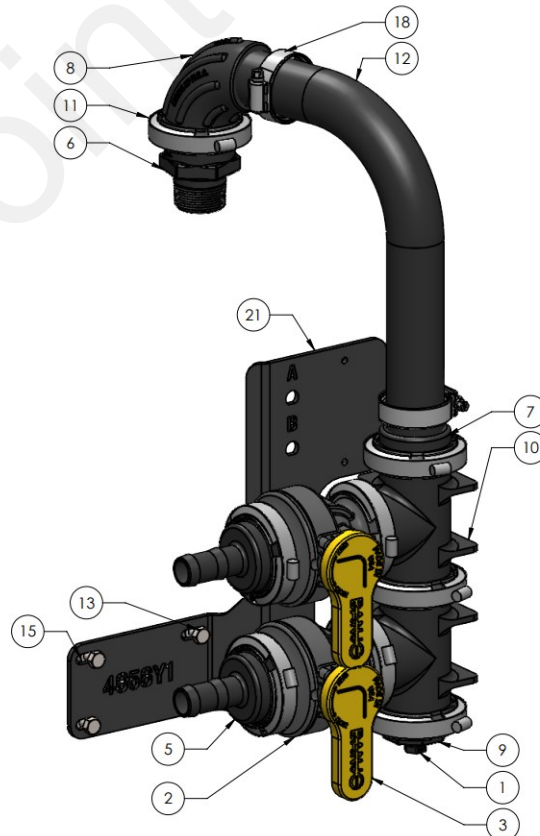


# Parts List

## Gen3 Manual Dual Metering Tube Bolt-On Kit

### 522-03-100525

| ITEM NO. | PART NUMBER       | DESCRIPTION                                                                               | QTY. |
|----------|-------------------|-------------------------------------------------------------------------------------------|------|
| 1        | 100-025PLUG       | 1/4" Pipe Plug                                                                            | 1    |
| 2        | 104-MEVX200HX     | MEVX 2" STUBBY VALVE ONLY                                                                 | 2    |
| 3        | 104-VP20153SH     | Replacement Valve Short EVX Handle                                                        | 2    |
| 4        | 105-150G          | 1-1/2" EPDM Gasket                                                                        | 8    |
| 5        | 105-200100BRB     | 2" Flange x 1" Hose Barb                                                                  | 2    |
| 6        | 105-200125MPT     | 2" Manifold x 1-1/4" MPT                                                                  | 1    |
| 7        | 105-200150BRB     | 2" Manifold x 1-1/2" Barb                                                                 | 1    |
| 8        | 105-200150BRBWP90 | 2" Manifold x 1-1/2" HB Sweep 90 Degree                                                   | 1    |
| 9        | 105-200PLG025     | 2" Manifold Plug x 1/4" FPT                                                               | 1    |
| 10       | 105-200TEE        | 2" Flanged Tee Fitting                                                                    | 2    |
| 11       | 105-FC200         | 2" Manifold Clamp                                                                         | 8    |
| 12       | 280-150-3000S     | 1-1/2" 3000 Series Bulk                                                                   | 14   |
| 13       | 300-050100-5      | 5/16" x 1" Hex Head Bolt                                                                  | 4    |
| 14       | 321-1024          | Size 10-24 Nylock                                                                         | 2    |
| 15       | 323-05            | 5/16" Flange Nut                                                                          | 4    |
| 16       | 331-M08           | M8 Lock Washer                                                                            | 4    |
| 17       | 340-100012        | Machine Screw - Size 10 x 3/4"                                                            | 2    |
| 18       | 350-PS238         | Pressure Seal HD Clamp, Size 238-1.625" - 2.125" (1-1/4" - 1-1/2" ENF, WBS or AG200 hose) | 2    |
| 19       | 396-5470Y1        | Gen3 Manual Metering Tube Valve Bolt-On Kit Instructions                                  | 1    |
| 20       | 398-25-4751Y1     | Gen3 LiquiShift Decal                                                                     | 1    |
| 21       | 400-4656Y1-BK     | Gen3 LiquiShift PR40/D250 Valve Mounting Bracket                                          | 2    |
| 22       | 757-91280A530     | M8 x 1.25 x 20MM Hex Head Bolt - 8.8                                                      | 4    |



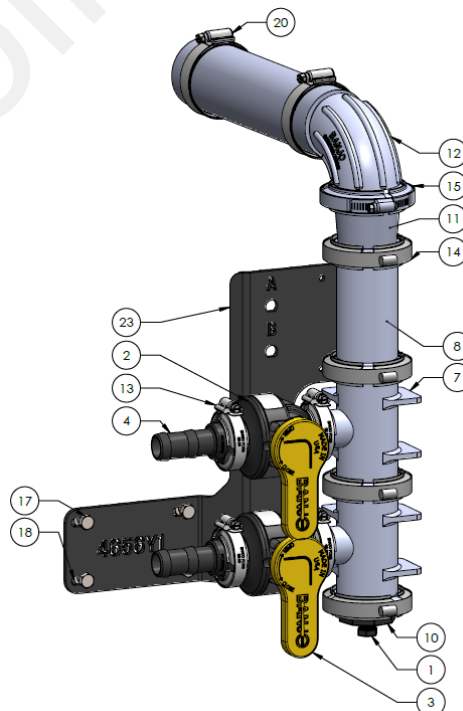


# Parts List

## Gen3 Manual Dual Metering Tube Bolt-On Kit

### 522-03-100530

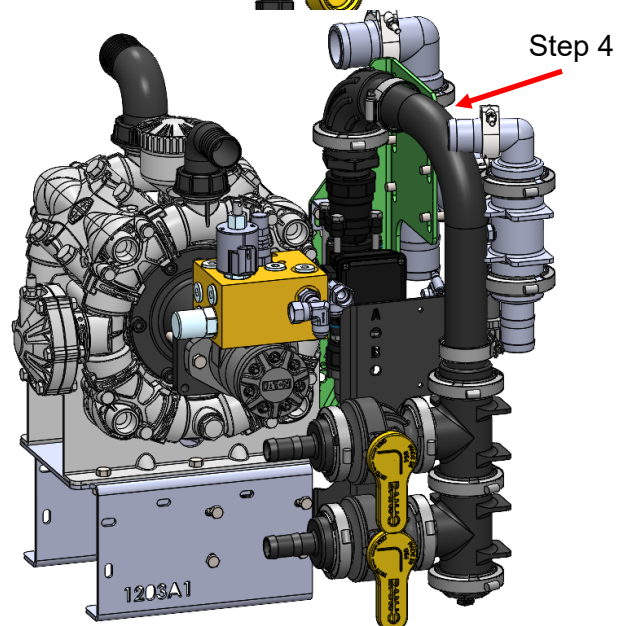
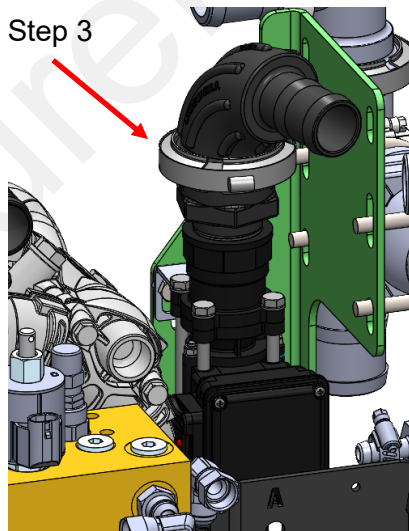
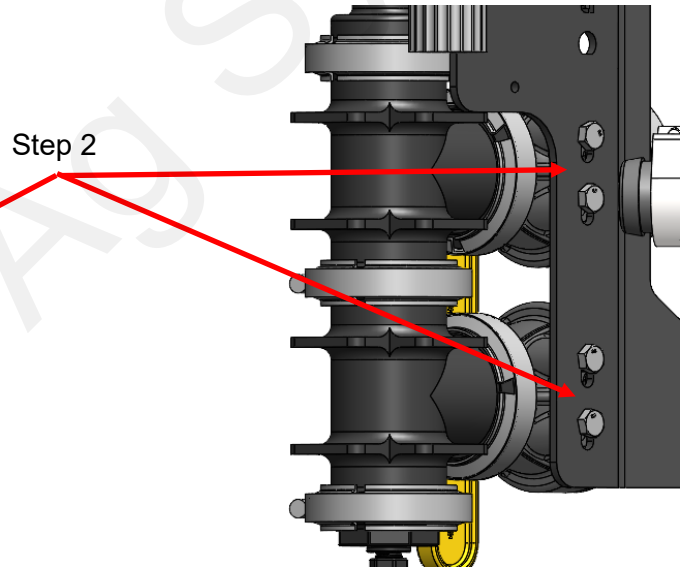
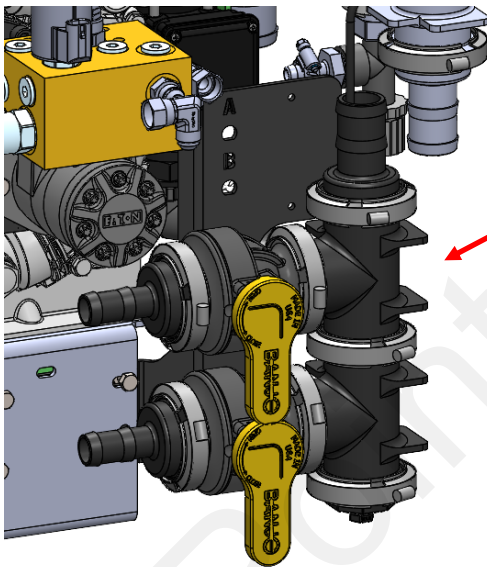
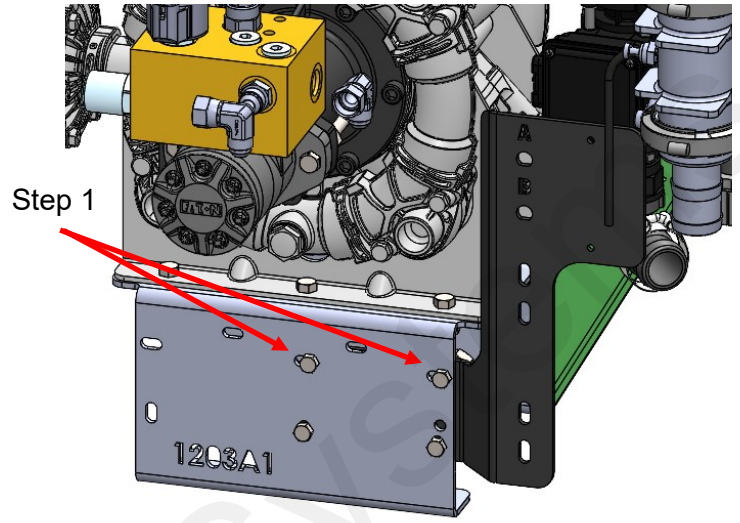
| ITEM NO. | PART NUMBER     | DESCRIPTION                                                   | QTY. |
|----------|-----------------|---------------------------------------------------------------|------|
| 1        | 100-025PLUG     | 1/4" Pipe Plug                                                | 1    |
| 2        | 104-MEVX100HX   | MECX 1" FP STUBBY VALVE ONLY                                  | 2    |
| 3        | 104-VP20153SH   | Replacement Valve Short EVX Handle                            | 2    |
| 4        | 105-100BRB      | 1" Manifold x 1" HB                                           | 2    |
| 5        | 105-100G        | 1" EPDM Manifold Gasket                                       | 4    |
| 6        | 105-150G        | 1-1/2" EPDM Gasket                                            | 4    |
| 7        | 105-200100TEE   | 2" Manifold x 1" Manifold Tee                                 | 2    |
| 8        | 105-200CPG      | 2" Manifold Coupling                                          | 1    |
| 9        | 105-200G        | (FOR FC220s) 2" EPDM Manifold Gasket for 220 Series Manifold  | 1    |
| 10       | 105-200PLG025   | 2" Manifold Plug x 1/4" FPT                                   | 1    |
| 11       | 105-220200CPG   | 2" Full Port Manifold x 2" Manifold Coupler                   | 1    |
| 12       | 105-220BRBSWP90 | 2" Full Port Manifold x 2" HB - 90 Degree Sweep               | 1    |
| 13       | 105-FC100       | 1" Manifold Clamp                                             | 4    |
| 14       | 105-FC200       | 2" Manifold Clamp                                             | 4    |
| 15       | 105-FC220       | 2" Full Port Manifold Clamp                                   | 1    |
| 16       | 280-200-3000S   | 2" 3000 Series Bulk                                           | 10   |
| 17       | 300-050100-5    | 5/16" x 1" Hex Head Bolt - G5                                 | 4    |
| 18       | 323-05          | 5/16" Flange Nut                                              | 4    |
| 19       | 331-M08         | M8 Lock Washer                                                | 4    |
| 20       | 350-PS288       | Pressure Seal HD Clamp, Size 288 - 2.125" - 2.625" (2" ENF or | 2    |
| 21       | 396-5470Y1      | Gen3 Manual Metering Tube Valve Bolt-On Kit Instructions      | 1    |
| 22       | 398-25-4751Y1   | Gen3 LiquiShift Decal                                         | 1    |
| 23       | 400-4656Y1      | Gen3 LiquiShift PR40 Valve Mounting Bracket                   | 1    |
| 24       | 757-91280A530   | M8 x 1.25 x 20MM Hex Head Bolt - 8.8                          | 4    |



# Step by Step Instructions

## (For PR40/D250)

1. Mount 400-4656Y1 to the base of the pump, using four (4) 5/16" x 1" hex head bolts and flange nuts.
2. Assemble plumbing fittings as shown, using manifold clamps and gaskets, and mount to 400-4656Y1 using four (4) 20MM hex head bolts and lock washers.
3. Assemble fittings as shown and thread into flowmeter.
4. Route 1-1/2" hose and secure using hose clamps.

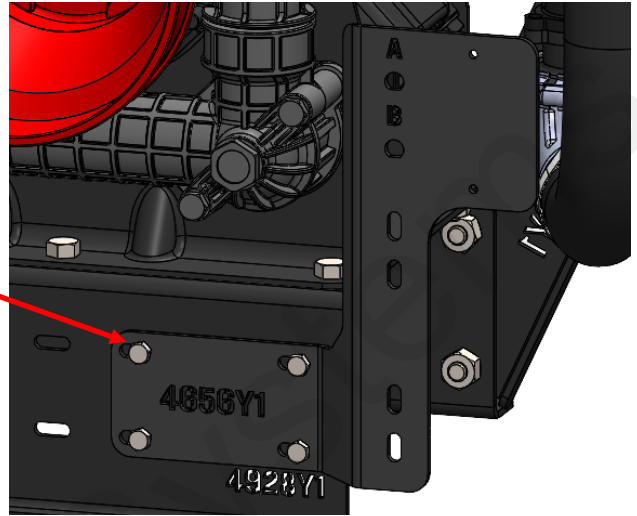


# Step by Step Instructions

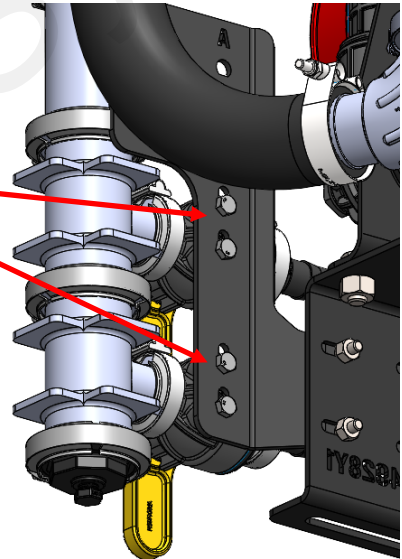
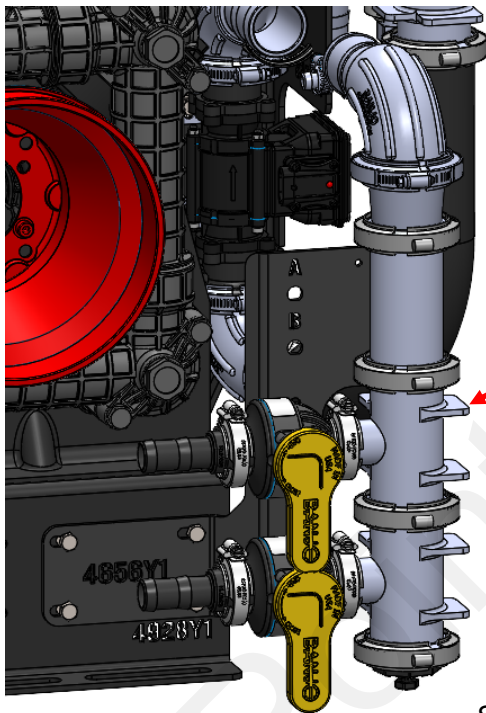
## (For PR80)

1. Mount 400-4656Y1 to the base of the pump, using four (4) 5/16" x 1" hex head bolts and flange nuts.
2. Assemble plumbing fittings as shown, using manifold clamps and gaskets, and mount to 400-4656Y1 using four (4) 20MM hex head bolts and lock washers.
3. Route 2" hose and secure using hose clamps.

Step 1



Step 2



Step 3

