

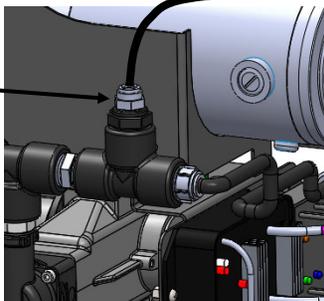


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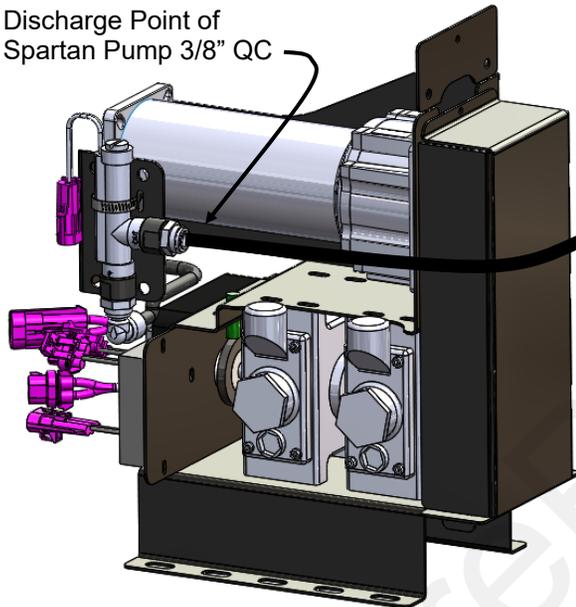
**Spartan Pump Assembly Bag Installation Instructions**  
**PN: 507-050000**



Optional Pressure Gauge or Pressure Sensor Port.  
 For Gauge, remove 1/4" plug and install 1/4" MPT x 1/4" QC. For Sensor, remove 1/4" plug and thread sensor in.



Discharge Point of Spartan Pump 3/8" QC



Gauge Assembly w/ Magnet Mount  
 PN:521-05-250200

3/8" QC Equal Tee  
 PN:113-08-038038038

3/8" Stem x 1/4" QC Reducer  
 PN:113-03-038025-P

1/4" Tube  
 Option #2

Pressure Gauge  
 PN:137-ASG150

1/4" Tube  
 Option #1

Air Bleeder/Priming Valve  
 1/4" QC Valve  
 PN: 113-50-025025-V

Radial Lock Cap  
 3/8" QC Outlet  
 PN:132-40436-05

15 lb Check Valve  
 3/8" QC Inlet x 1/4" QC Outlet  
 PN:136-15-06QC04QC-V

**NOTE:** Keep length of tubing that is highlighted in RED to a minimum

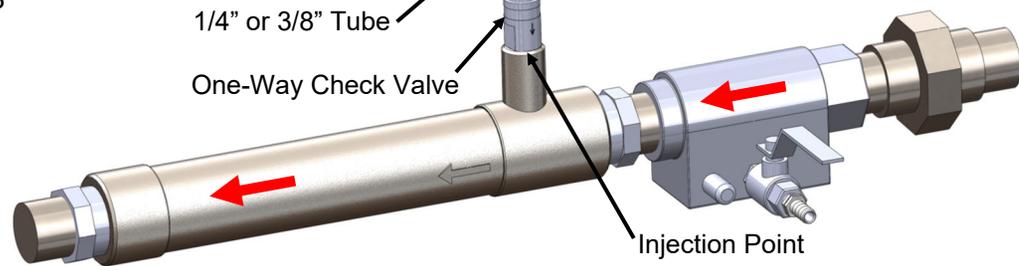
1/4" Tube

1/4" or 3/8" Tube

One-Way Check Valve

Injection Point

**NOTE:** When Injecting into a Mixing Chamber or Main Product Line with the Spartan Pump, you must use a One-Way Check Valve at the Injection Point to prevent back flow to the Spartan Pump.



**Standard NH3 Mixing Chamber Kit**