

Aspiration Connection, 3200

If you have not read the General Plumbing Instructions for replacing plumbing parts on the KinExA® please do so now before continuing.

The following Parts and/or Tools are required to complete this installation:

- | | |
|--|-------------------------------------|
| [1] Aspiration Connection, 3200 (344206) | [1] 10-32 Tan Nut (346201) |
| [1] 1/4"-28 Black Nut (346001) OR [1] 1/4"-28 Headless Brown Nut (346011) | [1] 1/16" Tan Ferrule (347116) |
| [4] 1/16" White Ferrules (347016) | [1] 1/4" Deep Socket (015902) |
| [3] M6 Black Nuts (346101) | [1] 15 in-oz Torque Wrench (024140) |

Note: The blue and green highlighting has been added to the picture for clarification; the *Aspiration Connection* Tubing you have been provided is clear.

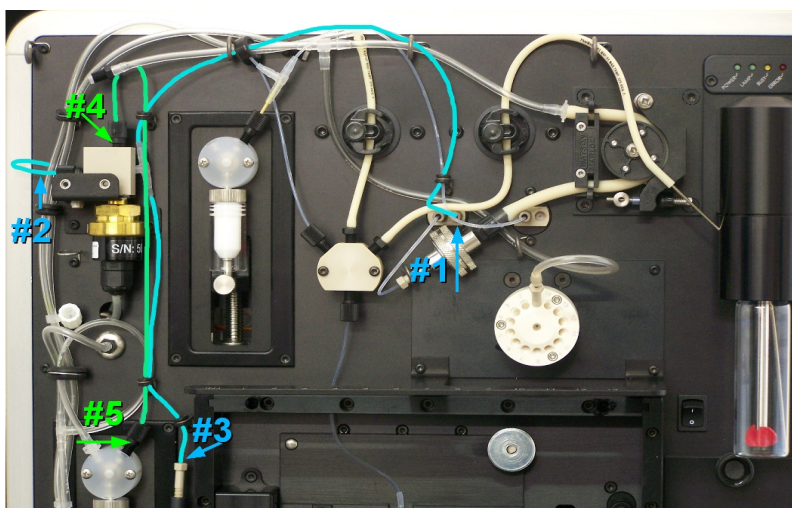


Figure 1: Aspiration Connection routing diagram.

- Run the longer line (from the arm of the *T Hose Barb*) up through the small grommet next to the *Injection Pump*. Continue to route the tubing through the closest *Tubing Support*, into the *Injection T Coil*, through the next *Tubing Support*, and down to the grommet above the left *Solenoid Valve*. Cross over the *Injection T Line* before attaching to the **right** side of the left *Solenoid Valve* using a 1/16" *White Ferrule* (347016) with a 1/4"-28 *Black Nut* (346001) **OR** a 1/4"-28 *Headless Brown Nut* (346011) (Figure 1, #1). Refer to Figures 2 and 3 to see a close up of this connection and to determine the appropriate nut for your *Solenoid Valve*.
- Orient the *T Hose Barb* so that it is sitting flush with the front panel and the base is pointing toward the *Pressure Transducer*. Run the tubing from the **base** of the *T Hose Barb* behind the *Pressure Transducer* and the *Buffer/Waste Lines* then loop the tubing back around and into the side of the *Pressure Transducer* using an *M6 Black Nut* (346101) and a 1/16" *White Ferrule* (347016) (Figure 1, #2).
- Route the shorter tubing down through the [2] grommets next to the *Aspiration Pump* and into the top of the *Union* using a 1/16" *Tan Ferrule* (347116) and a 10-32 *Tan Nut* (346201) (Figure 1, #3). Torque the 10-32 *Nut* to 15 in-oz using the 1/4" *Deep Socket* (015902) and the 15 in-oz *Torque Wrench* (024140).
- Insert the separate line (represented in green) into the top of the *Pressure Transducer* using an *M6 Black Nut* (346101) and a 1/16" *White Ferrule* (347016). Loop the tubing above and then down through the grommet next to the *Injection Pump*, down through the grommet above the *Aspiration Pump*, and into the **right** side of the *Aspiration Pump Valve* using an *M6 Black Nut* (346101) and a 1/16" *White Ferrule* (347016) (Figure 1, #4 and #5).

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Important: Use the *1/4"-28 Black Nut (346001)* for any Instruments that have the **original Solenoid Valves** installed on them (Figure 2). **Note:** Make sure the tubing is flush with the nut so it does not clog the valve. Use the *1/4"-28 Headless Brown Nut (346011)* for the **revised Solenoid Valves** (Figure 3).

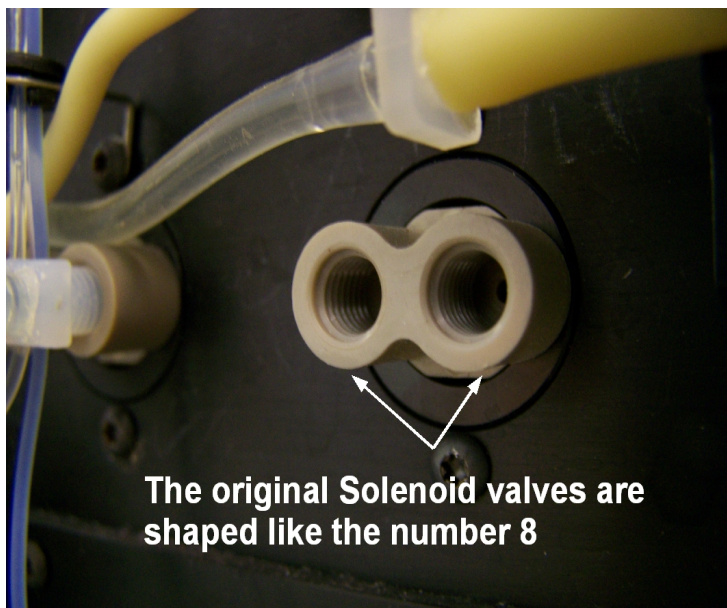


Figure 2: Close up of original Solenoid Valve.

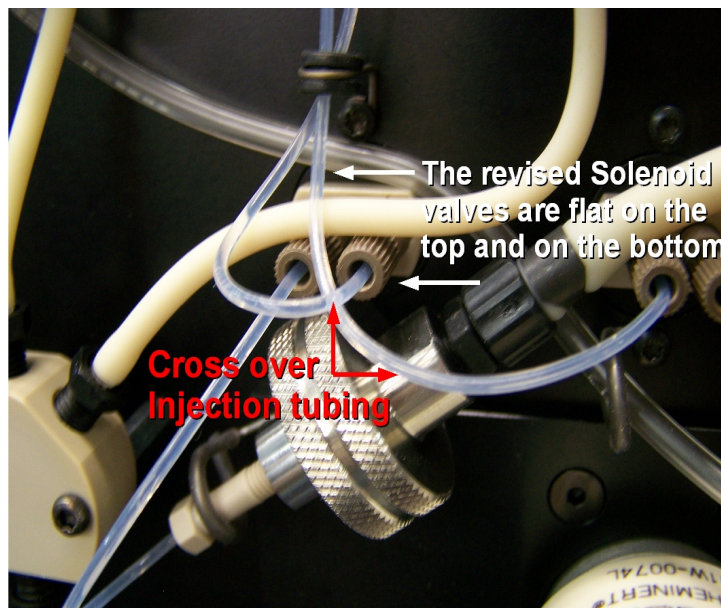


Figure 3: Close up of revised Solenoid Valve.