

Flow Cell, Pack of 3

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] *1/16" White Ferrule* (347016)
- [1] *1/4"-28 Black Nut* (346001)
- [1] *10-32 Tan Nut* (346201)
- [1] *1/16" Tan Ferrule* (347113)
- [1] *1/4" Torque Wrench* (024140); *1/4" Deep Socket* (015902)
- [1] *Dielectric Grease* (231362)

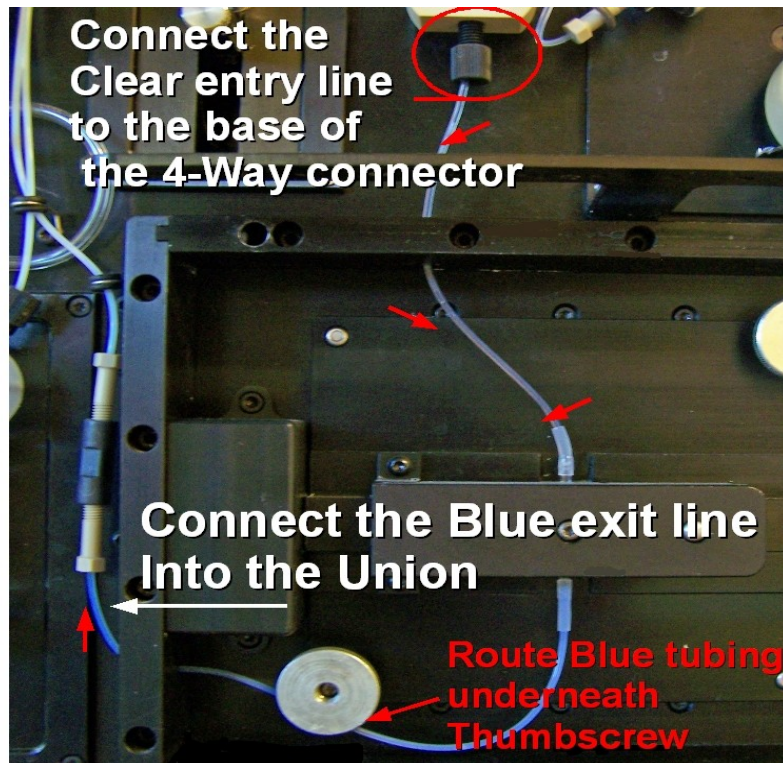


Figure 1: Entry/Exit Line routing.

- Route the *Clear Entry Line* upwards through the *O-Ring* (located on the top of the *Optics Housing Frame*) and attach it to the bottom of the *4-Way Connector* using a *1/16" White Ferrule* with a *1/4-28 Black Nut*. **Note: Refer to the next page if you are uncertain how to properly install Ferrules.**
- Slide the *Blue Exit Line* through the *O-Ring* (located on the left side of the *Optics Housing Frame*) and connect it into the bottom of the *Union* using a *10-32 Tan Nut* and a *1/16" Tan Ferrule*. Torque the *10-32 Nut* with the *15 in-oz Torque Wrench* and the *1/4" Deep Socket*. **Important: Make certain to route the *Blue Exit Line* underneath the thumbscrew as shown to avoid putting pressure on the *Flow Cell*.**
- Thoroughly clean the *Grooved Lens*, the *Flow Cell*, and the *Reflector Mount* with Denatured Alcohol and Kimwipes. Apply a thin layer of *Dielectric Grease* onto the *Grooved Lens* and the *Reflector Mount* before securing the *Flow Cell* with the *Retainer Clip* and closing the *Reflector Mount*.

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The 1/16" White Ferrule (347016):

- The *White Ferrule* slides onto the tubing with the tapered end toward the *Nut* and the flared end toward the valve port. When installing and tightening these fittings, be sure that the tubing is pushed all of the way into the valve ports.

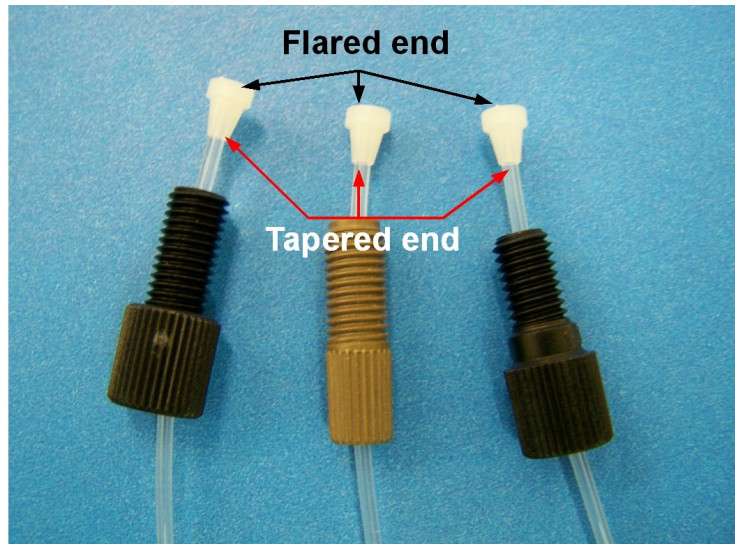


Figure 2: Orientation of White Ferrules.

The 1/16" Tan Ferrule (347113):

- The *Tan Ferrule* slides onto the tubing with the tapered end toward the end of the tubing and the flat end toward the *Nut*. When installing and tightening these fittings, be sure to push the tubing all of the way into the valve ports.

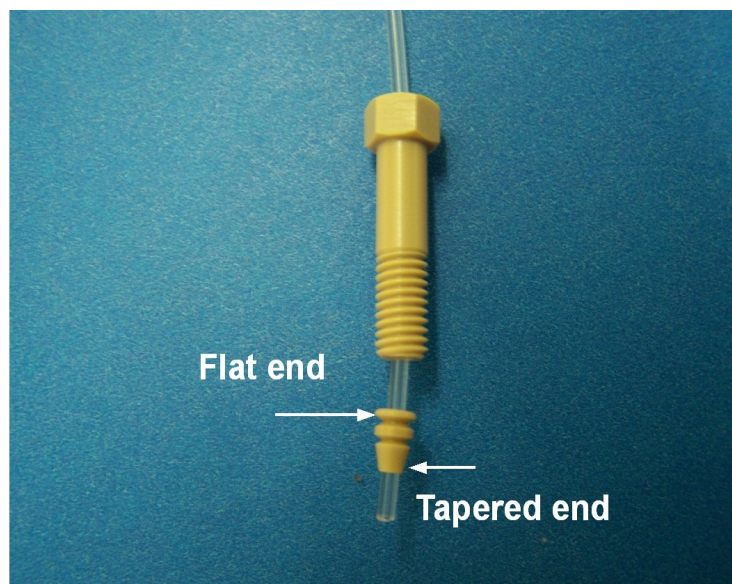


Figure 3: Orientation of 1/16" Tan Ferrule.