

## Flow Cell, Replacement, 20 Micron

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] Flow Cell, Replacement, 20 Micron (392140)

[1] 1/16" Tan Ferrule (347113)

[1] 1/4"-28 Black Nut (346001)

[1] 1/4" Deep Socket (015902)

[1] 1/16" White Ferrule (347016)

[1] 15 in-oz Torque Wrench (024140)

[1] 10-32 Tan Nut (346201)

[1] Dielectric Grease (231362)

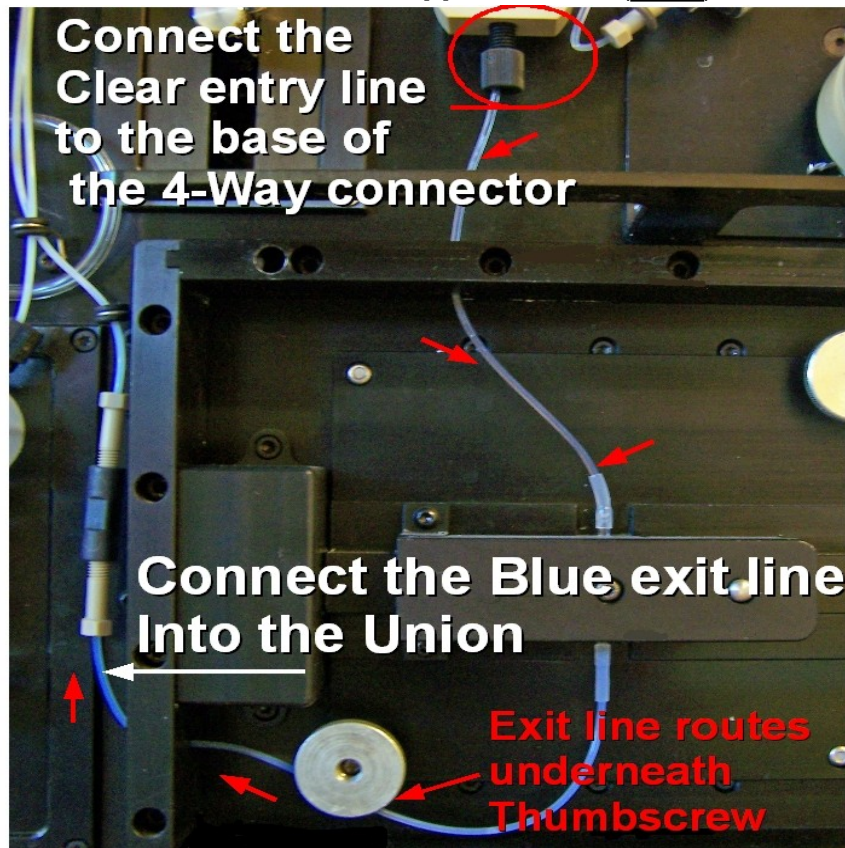


Figure 1 Replacement Flow Cell routing diagram.

- 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*.
- 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*. **Note: Make certain to route the *Blue Exit Line* underneath the thumbscrew as shown in Figure 1 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*.