

## Autosampler General Plumbing

Please visit our website at [Sapidyne.com/downloads](http://Sapidyne.com/downloads) to access the individual plumbing Installation Instructions when you are ready to install the new plumbing.

The following Parts and/or Tools are required to complete this installation. Note: The [2] plumbing connections have been put in the **Proper Order of Installation**:

- [1] Buffer Pump Connection (344710) – (11710)
- [1] 10-32 Female Luer to Adapter (343437)
- [1] Sample Line Connection (344780) - (11780)
- [3] 1/16" Tan 10-32 Ferrules (347113)
- [1] 10-32 Tan Nut (346201) (from the existing plumbing connections)
- [1] 4" Cable Tie (619104)

### Getting Started:

To prevent contamination from spreading from the old plumbing, remove the *Buffer Bottle* and pull air through the *Buffer Line* using the *Backflush Pump* until the air reaches the *Wash Station*. Open the **Fast Rinse** screen and run 2 cycles at 3 mL/min. Introduce a 5% bleach solution using the *Backflush Pump* and then run 10 cycles from the **Rinse** screen. Repeat with DIH<sub>2</sub>O.

**Important:** Keep the bleach solution between 0.5% NaOCl (sodium hypochlorite). If using household bleach, ( $\approx$  5% NaOCl) a 20 fold dilution is adequate. If using concentrated sodium hypochlorite solution ( $\approx$  10-15% NaOCl) a 40 fold dilution should be used.

Put on *Gloves* and remove all of the existing plumbing connections. **Note:** Do not throw away the tubing nuts when replacing the plumbing as they are re-used for the new plumbing connections.

### General Notes and Procedures:

**The 1/16" Tan 10-32 Ferrule (347113) and the 10-32 Tan Nut (346201):** Slide the *Tan Nut* onto the *FEP Tubing* so that the threaded end is closest to the end of the tubing. Orient the *Tan Ferrule* onto the tubing so that the tapered end is pointing toward the end of the tubing and the flat end is pointing toward the *Tan Nut* (**Figure 1**). **Note:** When installing and tightening these fittings, be sure to push the tubing all of the way into the valve ports.

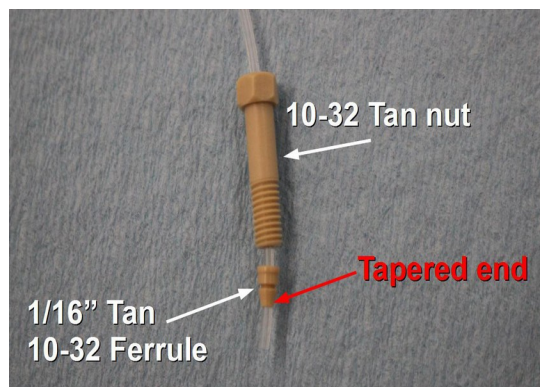


Figure 1: Orientation of the *Tan Ferrule* and *Tan Nut* on the *FEP tubing*.

### Where they are used on the Autosampler:

- The 10-32 *Tan Nuts* (346201) are used to connect to the *Sipper Tube*, the *Flow Cell Union*, and the *Backflush Union*.
- The 1/16" *Tan 10-32 Ferrules* (347116) are used with the 10-32 *Tan Nuts*.