

## Rinsing the 4-Way Connector

During normal instrument use, the 4-way connector may become clogged. In order to remove most clogs from the 4-way connector, follow the instructions below.

### Materials Needed:

- Flush Kit (Part #: 344345)
- 5/16" Crowfoot Wrench (Part #: 043050)

### Instructions:

#### Connecting the Flushing Apparatus

- Refer to **Figure 1** to identify the parts of the flushing apparatus.
- Attach a Female Luer to 1/4-28 Adapter to the 10 mL Syringe.

- Attach the FEP tubing to the Female Luer using a 1/4-28 Black Tubing Nut and a 1/16" Flangless White Ferrule.

**Note:** Be sure that the ferrule is installed correctly. For instructions on ferrule installation see **Figure 3**.

- Slide a 1/4-28 Black Tubing Nut and a 1/16" Flangless White Ferrule on the other end of the FEP tubing.

#### Rinsing the 4-Way Connector

- Disconnect the four tubing nuts from the 4-way connector (**Figure 2**). Nuts in positions 2 and 3 may be tight so use a 5/16" crowfoot wrench to loosen.
- Fill the 10 mL syringe with dH<sub>2</sub>O and then attach it to port 4 via the 1/4-28 Black Tubing Nut.

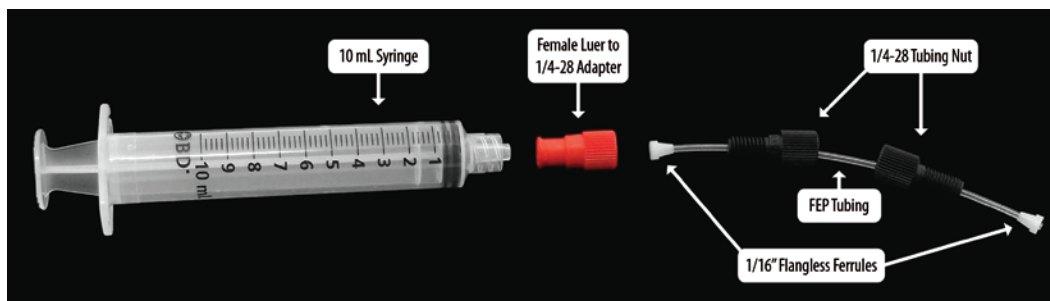


Figure 1. Flushing apparatus connections.

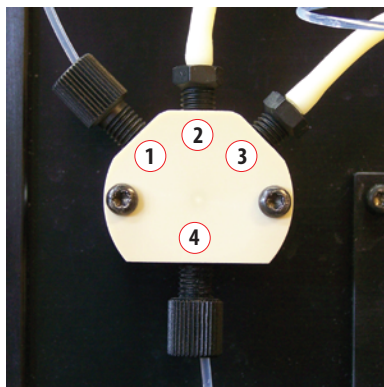
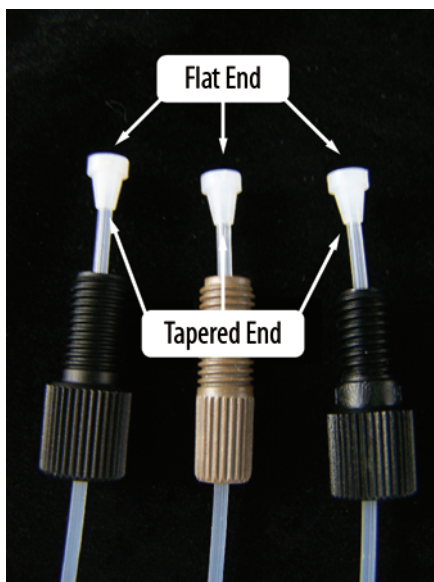


Figure 2. 4-way connector with nuts attached.

- Use two 1/4-28 Black Plugs to block ports 2 and 3 so that dH<sub>2</sub>O flushes out through port 1. Use a paper towel to cover the port being rinsed to collect the dH<sub>2</sub>O that flushes out.
  - Once port 1 has been flushed, move the 1/4-28 Black Plugs accordingly so that port 2 and port 3 are flushed. Only one port should be flushed at a time.
  - Once all of the ports have been flushed, re-attach the 4 tubing nuts to the 4-way connector. Refer to **Figure 2** for correct tubing attachment.
  - The tubing nuts in positions 2 and 3 need to be hand tightened and followed with a 1/4 turn with a 5/16" Crowfoot wrench.
- Run several rinses to make sure that the clog was removed. If the clog does not clear, please contact Sapidyne for assistance.

### Ferrule Installation Instructions

- 1/16" Flangless White Ferrules should be installed on the tubing so that the tapered end faces the tubing nut and the flat end faces out (**Figure 3**).
- Be sure the tubing is pushed all the way through the ferrule before installing. When tightening the nut, hold the tubing in to be sure it is all the way in.



**Figure 3.** White ferrule with tapered end facing the nut.