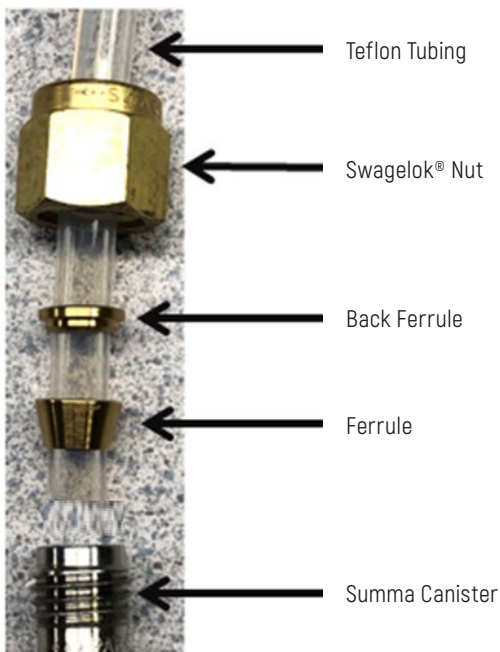
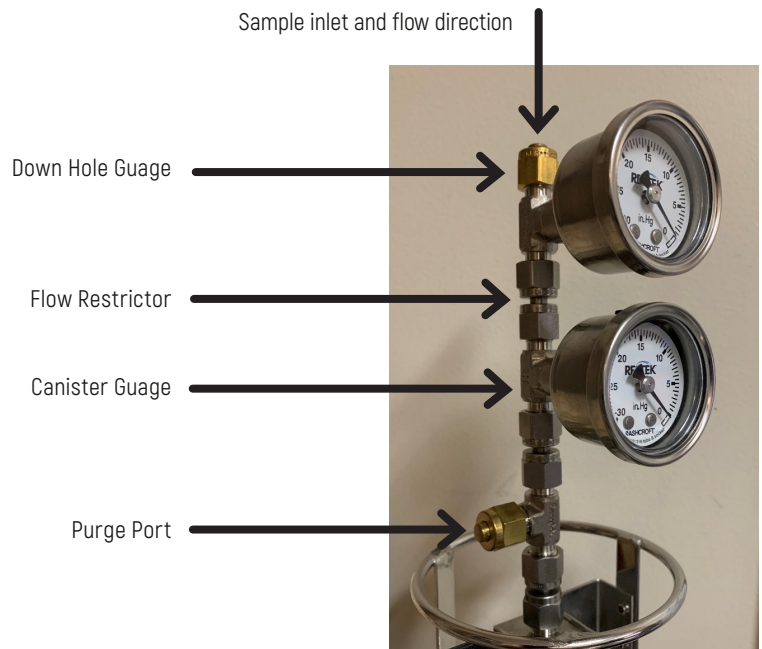




AIR SAMPLING WITH DUAL GAUGE MANIFOLD

- The picture to the right is an example of a dual gauge manifold. While there are other configurations available, the functionality of components is consistent.
- Sampling connection is made to facilitate flow past the down hole gauge and through the flow restrictor (typically 100-200cc/min)
- The down hole gauge is used to monitor the vacuum/pressure through the sampling point.
- The canister gauge is used to record initial/final pressures of the canister and monitor the sample collection.
- The purge port is available to be used to purge the lines if this is not facilitated with the purge manifold assembly. If this port is not being used, the brass cap should be left tight and secure as received.



SAMPLING POINT CONNECTION INSTRUCTIONS

1. Remove 1/4" Swagelok® nut (brass cap) from top of the can (caps are hand tightened, but if needed use an open ended 9/16" wrench).
2. Connect tubing and fittings using the photo to the left as a guide. Make sure the tubing is cut square - no angles or with jagged edges - to ensure a proper seal. The back ferrule fits between the nut and the ferrule. The tapered end of the ferrule must be pointed down toward the canister. Note: Allowing the tubing to extend too far into the connection while seating the ferrule may cause leaking or lose manifold connections.
3. Hand tighten the Swagelok® nut first - this will help avoid cross threading. If needed, use an open ended 9/16" wrench to further tighten, but be careful not to over tighten, as this can also cause leaks. Do not use pliers or adjustable-end wrenches to tighten this Swagelok® connection.