

HP

Gas Chromatography

Installing the High Pressure Sampling System HP Accessory G2836A/G2839A

This Accessory is not compatible with any other Accessory that is mounted on a bracket on the instrument's front panel.

This kit contains:

Description	Quantity
Flow Controller	1
Short outlet tube	1
Long outlet tube (G2636A only)	1
1/16-inch nut and ferrule set	1

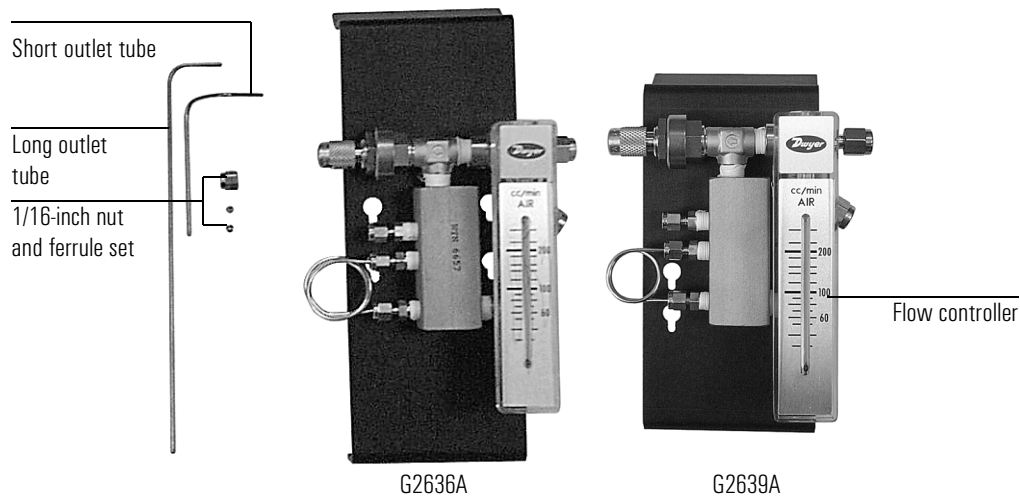


Figure 1. High pressure sampling kit

Tools

5/16-inch wrench

7/16-inch wrench

Parts you need to supply

Vent tubing, if used

Fittings for vent tubing, if used

Sample input tubing and fittings

Installing the high pressure sampling kit

1. Turn off the instrument. If it is a heated model, allow the GC sample inlet fitting to cool.

WARNING

Hot surface. The sample inlet fitting may reach 90 °C.

2. Remove any fittings or hardware currently in place on the GC sample inlet fitting that you will use with the Accessory.
3. Loosely install a 5/16-inch nut, back ferrule, and front ferrule onto the GC sample inlet fitting. **Do not tighten.** You will install the tubing into this fitting later.

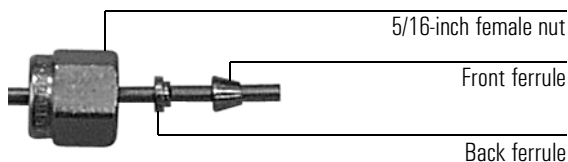


Figure 2. Installing ferrules

4. Insert the outlet tube into the top 1/16-inch fitting on the flow controller. Tighten 1/2 turn past finger tight, then loosen 1/4-turn, so that the tube is loose but will not fall out. (The tube must be loose.)



Figure 3. Installing the sample outlet tube

5. Align the bracket horizontally on the face of the GC so that the end of the outlet tubing is approximately over the GC inlet fitting. Then, place the lower lip of the mounting bracket under the bottom front panel as shown below. The edge of the GC front molding should fit into the slot in the bracket.



Figure 4. Installing the bracket onto the GC

6. While checking the alignment of the outlet tubing and the GC inlet fitting, tilt the bracket up and snap it onto the front of the instrument. When properly mounted, the bracket should be flat against the GC frame. Insert the outlet tubing into the GC fitting. See Figure 5.

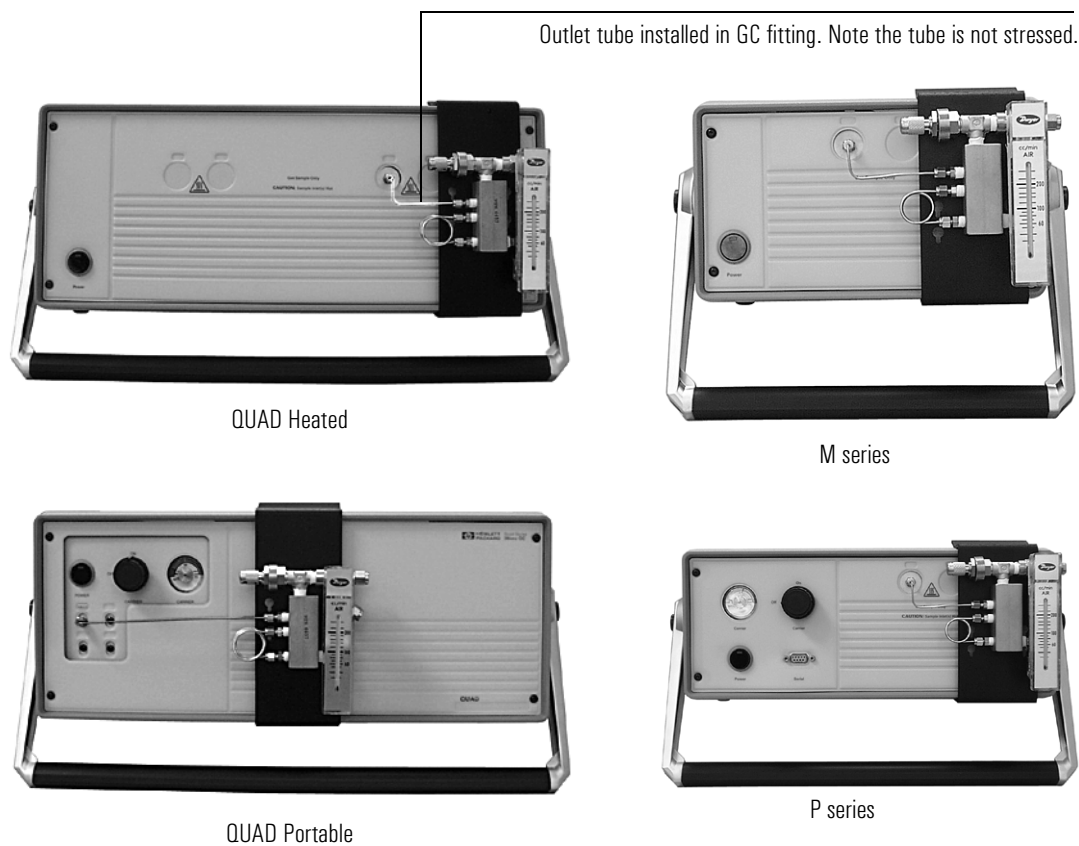


Figure 5. Flow controller, installed

7. The sample outlet tubing should move freely in the GC inlet fitting. If not, slide the Accessory along the GC frame until the sample outlet tubing is unstressed. Tighten the 5/16-inch nuts.



Figure 6. Tighten the fittings

8. Install your 1/8-inch sample input line to the top left SWAGELOK fitting on the accessory.

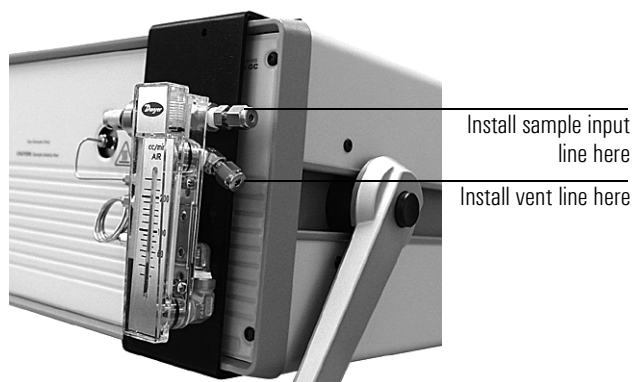


Figure 7. Installing the sample tube

WARNING

If a hazardous sample is used, you must provide an appropriate vent line and fittings. Vent the exhaust to a fume hood or other area designated for hazardous waste disposal.

9. Connect a vent line to the vent fitting using standard 1/8 inch fittings. Run the vent tubing to a fume hood or other area designated for hazardous waste disposal.

