

HP

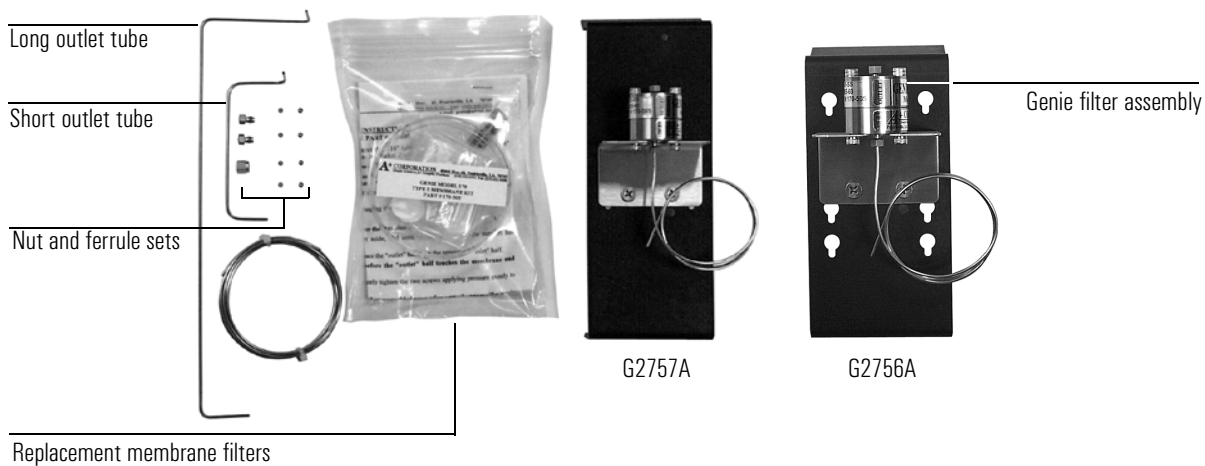
Gas Chromatography

## Installing the Membrane Filter System HP Accessory G2756A/G2757A

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 |
|--------------------------------------|----------|
| Short outlet tube                    | 1        |
| Long outlet tube (G2757A only)       | 1        |
| Genie filter assembly                | 1        |
| 1/4-inch male nut and ferrule set    | 1        |
| Replacement membrane filters (5/pk)  | 1        |
| 5/16-inch female nut and ferrule set | 1        |



**Figure 1. Membrane filter system**

### Tools

5/16-inch wrench

7/16-inch wrench

1/4-inch wrench

### Parts you need to supply

Fittings for vent tubing, if used

Sample input tubing and fittings

## Installing the Membrane Filter System

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

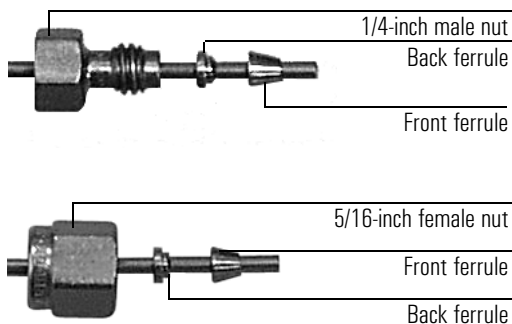
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### WARNING

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

2. Remove any fittings or hardware currently installed on the GC sample 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.
4. Place a 1/4-inch male nut, a back ferrule, and front ferrule on the outlet tube provided. See Figure 2 for ferrule orientation. See Figure 5 for tube orientation.

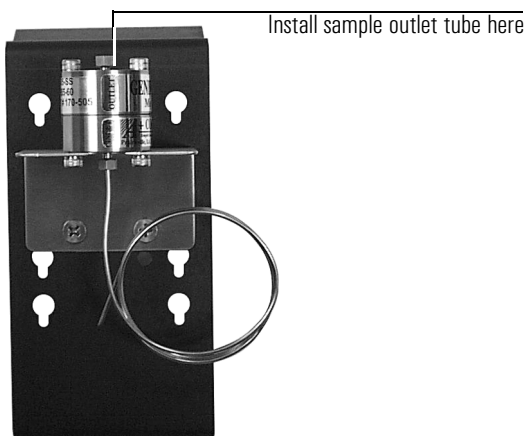
Use the longer outlet tube on portable models.



**Figure 2. Installing ferrules**

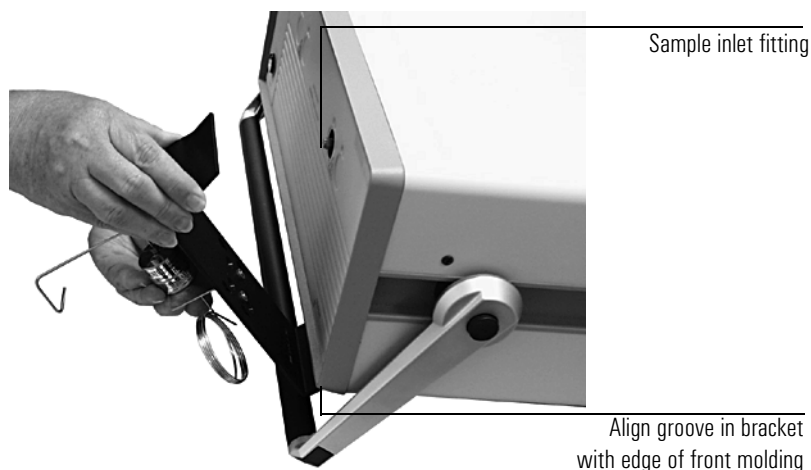
5. Insert the outlet tube into the output fitting on the Genie filter. Tighten 1/2 turn past finger tight, then loosen 1/4 turn, so that the tube is loose but will not fall out. (The tube must be loose.)

Use the longer outlet tube on portable models (G2757A only).



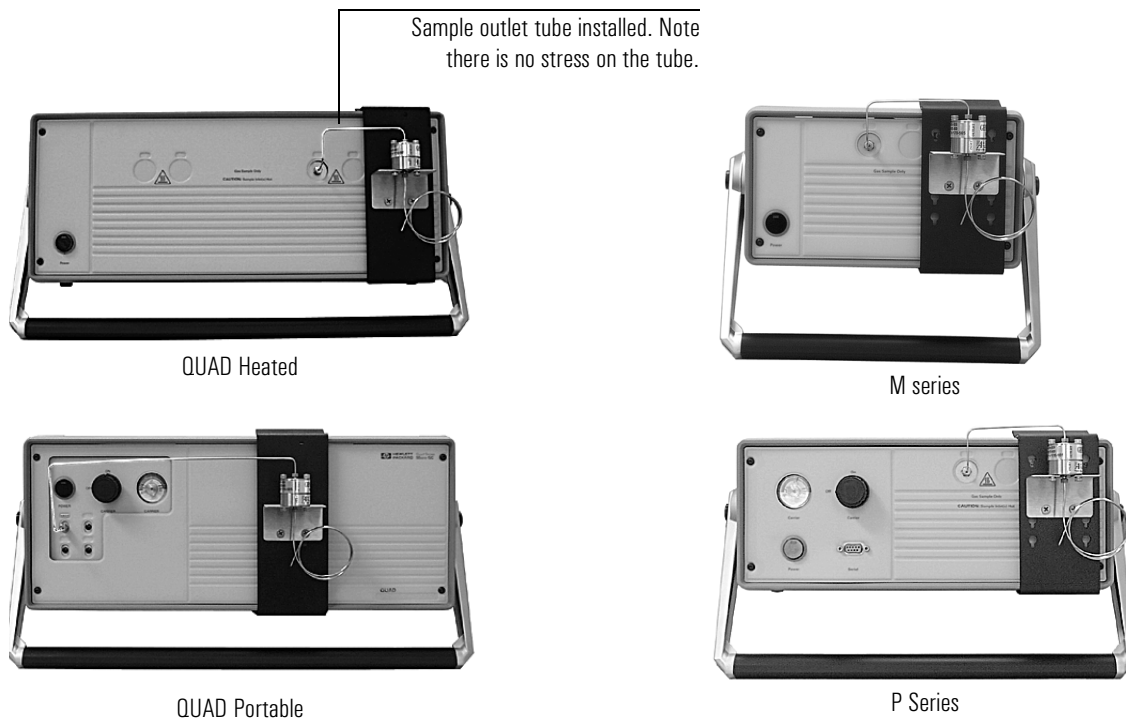
**Figure 3. Installing the sample outlet tube**

6. 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 membrane filter assembly**

7. 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 fitting.



**Figure 5. Membrane filter assembly, installed**

8. The outlet tubing should move freely in the GC inlet fitting. If not, slide the Accessory along the GC frame until the outlet tubing is unstressed.  
Tighten the 1/4 inch nut and the 5/16 inch nut.

9. Install the sample line, 1/4-inch nut, and front and back ferrules provided in the kit onto the sample input fitting on the bottom of the filter as shown below. Connect the open end of the tubing to your sample.



**Figure 6. Installing the sample tube**

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**WARNING**

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

10. Uncoil the vent tubing and route the open end to a fume hood or other area designated for hazardous waste disposal.

