The SPME/HPLC interface enables HPLC analysts to take advantage of the time and solvent savings offered by solid phase microextraction. Through the interface, mobile phase contacts the SPME fiber, removes the adsorbed analytes, and delivers them to the column for separation. Analytes can be desorbed in a moving stream of mobile phase (dynamic desorption), or the fiber can be soaked in mobile phase for a specific period of time before the analyte is injected onto the column (static desorption).

The interface consists of a desorption chamber, a six-port injection valve, and a mounting bracket.

The desorption chamber replaces the injection loop in the HPLC system. This chamber is constructed of stainless steel, to which the mobile phase line from the pump can be connected. All surfaces which come in contact with the SPME fiber or the mobile phase are stainless steel or VESPEL®, for inertness and solvent resistance. The SPME fiber is introduced into the desorption chamber under ambient pressure when the injection valve is in the “load” position. The fiber is sealed in place with a double-tapered VESPEL ferrule, and locked with a convenient pressure clamp.

The SPME/HPLC interface is equipped with your choice of injection valve — Valco or Rheodyne. The two interface versions differ in their connecting configurations to the column and the mobile phase.

Ordering Information:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPME/HPLC Interface</td>
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<tr>
<td>Includes 2 double-tapered ferrules</td>
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<tr>
<td>With Valco valve</td>
<td>57350-U</td>
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<td>With Rheodyne valve</td>
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<td>Ferrules, Double-Tapered</td>
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<td>Pk. of 10</td>
<td>57351</td>
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<td>SPME Holder*</td>
<td></td>
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<tr>
<td>For HPLC Interface &amp; GC Autosampler</td>
<td>57331</td>
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</table>

*First time users must order an SPME fiber holder in addition to SPME fibers. The holder is reusable indefinitely. To see our complete selection of nonpolar, intermediate polarity, and polar SPME fibers, refer to the Supelco catalog, or request publication T413019.
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