

# SPME/HPLC Interface

## Product Specification

### Interface with Valco® Valve



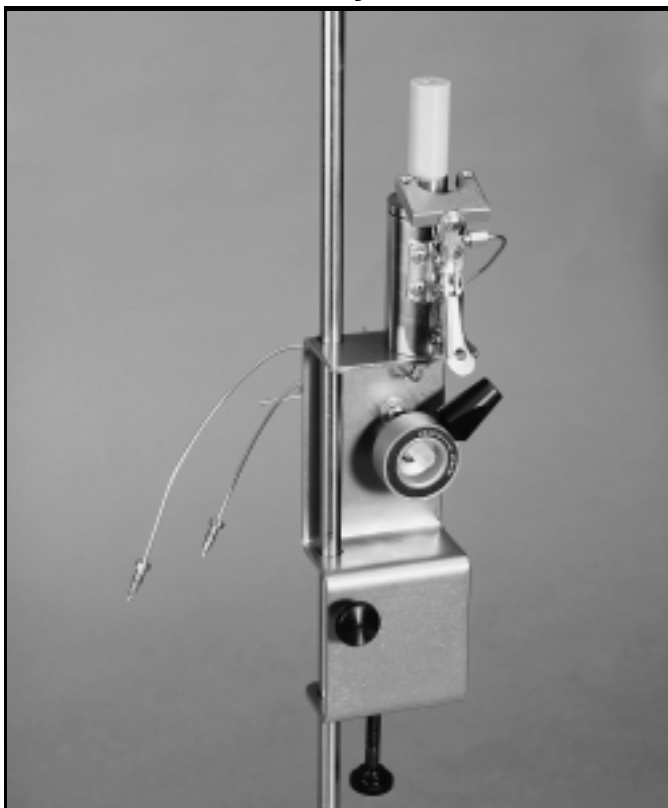
The SPME/HPLC interface enables HPLC analysts to take advantage of the time and solvent savings offered by solid phase microextraction. Through the interface, mobile phase contacts the SPME fiber, removes the adsorbed analytes, and delivers them to the column for separation. Analytes can be desorbed 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.

### Interface with Rheodyne® Valve



The mounting bracket allows the SPME/HPLC interface to be installed on a workbench. The interface also can be mounted on a ring stand to facilitate connection to the HPLC column or column oven. Separate stainless steel lines (0.020mm ID) are provided for connection to the column and pump system.

### Ordering Information:

Description	Cat. No.
<b>SPME/HPLC Interface</b>	
Includes 2 double-tapered ferrules	
With Valco valve	57350-U
With Rheodyne valve	57353
<b>Ferrules, Double-Tapered</b>	
Pk. of 10	57351
<b>SPME Holder*</b>	
For HPLC Interface & GC Autosampler	57331

\*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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