



ANALYSIS INSTRUMENTS

WHERE SERVICE AND QUALITY IS OUR FIRST NATURE

SOLID PHASE EXTRACTION SPE

Product Description:

- Rectangular Acrylic Cabinet
- Polypropylene Lid

2 Sizes Available:

- Small For Up To 12 Columns Cartridges
- Large For Up To 12 Columns Or Up To 24 Cartridges

Available Port: 12, 18, 24

Specifications:

- Vacuum Gauge For Pressure Reading
- Control Valve For Adjustment Of Vacuum
- Replaceable Valves For Vacuum Control Of Individual SPE Columns
- Variable Rack with Exchangeable Partitions, Which Accept A Wide Variety Of Vessels Like Test Tubes, Measuring Flasks, Scintillation Vials, Auto-sampler Vials, Plastic Vials Etc.
- 20um Columns With 5-10 Ml Sample Reservoir For Medium Size Samples
- Polypropylene Sample Reservoir (5 Or 50 Ml Available)
- Adapter For Sample Reservoirs
- SPE Manifold Tubing Adapters



Solid phase extraction (SPE)-

- It is a technique designed for rapid, selective sample preparation, purification prior to chromatography analysis.
- SPE provides the sample cleanup, recovery, and concentration necessary for accurate quantitative analysis using liquid chromatography principles to control selectivity. The multitude of available phase chemistry can be packed into an array. This array are in the form of hardware formats such as glass tubes, 48, 96-well, 144, plates, and Cartridge tubes (dispersive SPE). This can be processed using dedicated vacuum manifold accessories.
- (SPE) is a technique by which compounds that are dissolved in a liquid mixture are separated from other compounds in the mixture. Some Analytical laboratories use solid phase extraction SPE to concentrate and purify the samples for analysis. Though including urine, blood, water, beverages, soil, and animal tissue.
- Many of the adsorbents/materials are the same as in chromatography methods. But Solid Phase Extraction SPE is distinctive, with the aims separate from chromatography. So it has a unique niche in modern chemical science.





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SPE and Chromatography :

- SPE is a method of chromatography, except in the broadest, simplest sense. It is an extractive technique, taking advantage of large differences in the K_{eq} , or equilibrium constant. It is of mixture components between the solid phase and the mobile phase resulting. This is for a well-designed and executed separation, in a bulk separation of one or more of the mixture components.

Product Description:

- Chemical Resist Vacuum Chamber
- Polypropylene Lid

Available Port: 12, 18, 24.

Specifications:

- Vacuum Gauge For Pressure Reading
- Control Valve For Adjustment Of Vacuum
- Polypropylene Sample Reservoir (5 Or 50 Ml Available)
- Adapter For Sample Reservoirs
- SPE Manifold Tubing Adapters

