Conventional solid phase extraction (SPE), an essential step in many analytical procedures, includes a number of laborious steps. With the help of the modified parallel evaporator, Syncore®, all essential work-up steps including evaporation of the eluates are achieved without any sample handling between the individual steps.

The SPE modules meet the following requirements:

- **little sample handling:** conditioning, enrichment, washing, elution and evaporation are carried out without interruption rendering high throughput
- **individual control:** each sample has its own stopcock to control the flow, therefore achieving safe operation and high recovery rates
- **no cross-contamination:** no risk of contamination from adjacent samples due to individual sample sealing
- **efficient evaporation:** elimination of sample transfer allows for fast parallel evaporation in an environmentally sound way

1. **“Waste” position:** Cartridge is conditioned, enriched with the analyte, and washed. All liquids are transferred to a waste vessel.
2. **“Stop” position:** Closure of the cartridge to prevent from running dry or to close the system during evaporation.
3. **“Elute” position:** Elution of the analyte into the collecting vessel, followed by concentration to a residual volume.
Syncore SPE work-up accessories
The Syncore® SPE work-up accessories are available in two different configurations. With the SPE Basic setup, the sample is transferred directly into the collecting vessel for subsequent evaporation. The flow of each position can be individually controlled. In contrast, the SPE Advanced setup allows separating the liquid passed through a SPE cartridge into either a waste vessel or a collecting vessel, respectively. The eluate is then evaporated to dryness (Polyvap) or to a pre-defined residual volume (Analyst). The accessories are available as MODULE to upgrade a standard Syncore vacuum cover, or as fully equipped COVER. The accessories are compatible with standard Luer-tipped SPE columns or filter discs. For further information please visit our homepage:

www.buchi.com

SPE Basic accessories
The SPE Basic MODULE intended to upgrade an existing Syncore vacuum cover comprises a coated aluminium plate, flow-control valves (PEEK), and flanged tubes (FEP). The corresponding SPE Basic COVER consists of a complete vacuum cover equipped with the SPE Basic Module.

SPE Advanced accessories
The SPE Advanced MODULE intended to upgrade an existing Syncore vacuum cover comprises a coated aluminium plate, 3-way stopcocks (PTFE, FEP) fitted on a support, a waste vessel and tubes (FEP). The corresponding SPE Advanced COVER consists of a complete vacuum cover equipped with the SPE Advanced Module.

Accessories and spare parts
<table>
<thead>
<tr>
<th>Item</th>
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<tr>
<td>Set of 12 flow-control valves</td>
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<tr>
<td>Set of 12 three-way stopcocks</td>
<td>051457</td>
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<tr>
<td>Tube cutter</td>
<td>019830</td>
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<tr>
<td>FEP tube (OD 1/8&quot;, ID 1/16&quot;, L 5 m)</td>
<td>044354</td>
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<table>
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<th>Item</th>
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<tbody>
<tr>
<td>Set of 6 flanged FEP tubes</td>
<td>051459</td>
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<tr>
<td>Set of 4 x 3 FEP waste tubes, length adjusted</td>
<td>051455</td>
</tr>
<tr>
<td>Set of 25 tube fittings (1/8&quot;, green)</td>
<td>040956</td>
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<td>Set of 25 ferrules (1/8&quot;, green)</td>
<td>040961</td>
</tr>
</tbody>
</table>

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