

Smartline

► Preparative Module 6100



Most Compact Injection & Fractionation in Preparative HPLC Systems

The **Preparative Module 6100** arose of a **Smartline Assistant 6000** version and is an extremely compact injection and fractionation module for preparative HPLC systems. It involves a Smartline Pump 100 and an injection valve drive at the front and a fractionation valve drive in the rear.

By combining these single modules into one Smartline housing, these modules are seamlessly integrated into a Preline system or into a Smartline tower.

The **Preparative Module 6100** is offered in several configurations, for instance with 6, 12, or 16 switching positions on the fractionation valve, with either 1/8" or 1/16" connectors. It also includes a 50 ml pump head, an injection valve, a fractionation and recycling valve and the preparative accessory kit.

The individual devices of the module can be operated in stand alone mode as well as software controlled. All Knaauer software packages (**ChromGate®** and **ClarityChrom®** in their analytical and preparative versions) can be used.



Using Details



The **fractionation/recycling valve** enables the collection of up to 5, 11, or 15 fractions. Port 6, 12, and 16 are the waste positions, respectively. Optionally, two ports can be used for solvent and peak recycling.

The number of fractions can be easily expanded by cascading one or more additional valves. The position numbers are added sequentially in the order that the additional valves are connected. The last port of a valve is used to connect to the central input connector of the subsequent valve. The waste and recycling positions are always situated on the last valve.

To achieve a clear tubing arrangement, the **guidance metal sheet** should be used. It can be placed between two Smartline or Preline instruments either with the narrow or with the broad side facing out. The feet on the left-hand side of the upper instrument are to fit into the sheet recesses.

Rubber feet on both sides of the sheet guarantee stable positioning.

The large amount of drill holes makes it possible to easily organize fractionation with collection vessels of almost any size or shape.

Exchange of fraction collection racks is made easier by not guiding the tubings into the vials. The accurate dropping of fractions into collection vessels is done by using a stainless steel adapter affixed to the vial rack.

Technical Data

| | |
|---------------------------|--------------------------------------------|
| Power Supply: | 90-260 V, 47-63 Hz |
| Dimension (WxHxD): | 226 x 135 x 390 |
| Weight: | depending on selected modules 5.5 – 6.5 kg |

Ordering Information

| Article | Order No. / Specifications | | | |
|-------------------------------------------------------|----------------------------|------------------------|------------------------|-------------------------|
| | A5004 V01 | A5004 V02 | A5004 V03 | A5004 V04 |
| Preparative Module 6100, consisting of: | | | | |
| Smartline Assistant 6000 | A5003 V215 | A5003 V215 | A5003 V315 | A5003 V415 |
| 6-port, 3-channel injection valve, stainless steel | A1371 1/8" | A1369 1/16" | A1371 1/8" | A1369 1/16" |
| Multi-port 1-channel valve, stainless steel | A1375 6-Port, 1/8" | A1373 6-Port, 1/16" | A1378 12-Port, 1/8" | A1379 16-Port, 1/16" |
| 50 ml pump head, stainless steel | A4034V4 | A4034V4 | A4034V4 | A4034V4 |
| Preparative accessories kit | F5004 V01 | F5004 V02 | F5004 V03 | F5004 V04 |

Technical data are subject to change without notice.

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