

55 Years
Science Together



Celebrate with us the 55th anniversary of KNAUER!

Our best-selling AZURA® LC system configurations
For you at a special price

Preparative
HPLC

Analytical
HPLC

FPLC

55

YEARS KNAUER
1962 - 2017

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TRUSTED
LAB PARTNER

PROMOTION EDITION: AZURA® HPLC Plus System

Analytical HPLC system for up to 700 bar with 8-channel UV detection

This gradient HPLC system perfectly meets even sophisticated analysis demands up to the UHPLC range. It offers first class performance and quality „Made in Germany“.

This system features a low pressure gradient pump (AZURA® P 6.1L), the new autosampler (AZURA® AS 6.1L), a column thermostat CT 2.1 and a multi-wavelength UV/VIS detector (AZURA® MWD 2.1L) with 8 measuring channels from 190 - 700 nm. A tablet PC with AZURA® Mobile Control software is also included.

The low-pressure gradient pump P 6.1L operates with very precise valve control and features an internal degasser for efficient online-degassing of the eluent. The mixing chamber of the pump is available in three different volumes depending on the application (100 µl is standard).

The AZURA MWD 2.1L multi-wavelength detector combines excellent performance with ease of use. The newly developed optical unit enables high sensitivity, while temperature management ensures minimal base line drift. The lamp can easily be changed as well as the cartridge technology flow cell. The wide selection of available flow cells opens up a wide range of applications - including high-sensitivity UV detection with LightGuide technology.

The autosampler AS 6.1L can inject up to 768 samples from microtiter plates or 108 standard 2 ml vial samples. Minimum injection volume is 0.1 µl. The column thermostat AZURA CT 2.1 can hold up to 6 columns with a max. length of 300 mm and keep the temperature constant in the range of 5 °C to 85 °C.

With the Mobile Control software you have your AZURA devices under control: Monitor the status of several devices at the same time from the tablet or simply make settings. This control software is the perfect complement to your chromatography data system. The user management ensures that system parameters can only be changed by logged-in users.



AZURA made in germany

- Quaternary gradient HPLC system
- Sensitive 8-channel UV/VIS detector
- Pump unit (max. 700 bar)
- Mobile Control for monitoring and control of the integrated modules
- Wide selection of supported software packages
- Leakage management system

System

986402204 HPLC Plus System with 8-channel MWD detector, LPG pump (700 bar), autosampler and column thermostat

Optional hardware and software

A3103-1E PC workstation, Intel® Core™ i5 Processor, 8 GB RAM, 24" TFT, Windows 7 Prof. 64 bit

A1670-9 ClarityChrom® single instrument license one time base

A2600-1 OpenLAB® CDS EZChrom Edition workstation for one system with SMA and 4x System Suitability

A1783-2 Chromeleon™ 7.2 Driver CD

Optional service: Installation

Special Offer valid until 31.12.2017

PROMOTION OFFER: AZURA® Pilot Prep LC 100 LPG

Preparative ternary gradient system with 100 ml/min max. flow rate at up to 400 bar

The AZURA® Pilot LC 100 System offers the best conditions for transferring separations from the analytical to the preparative scale. Whether it is simple analysis or purification with 30 mm diameter columns, the Pilot LC 100 System has been designed for a wide range of requirements.

System components

The system features an AZURA® P 2.1L pump with a maximum flow rate of 100 ml/min. At this flow rate it is possible to purify large sample sizes up to 70 g per day. The injection is carried out via the automatic injection valve installed in the assistant. Thanks to the KNAUER VariLoop, up to 40 ml sample solution can be injected at once or step by step without any dilution. The system is completed by a UV detector and a 16-port fractionation valve, which are also housed in the assistant. This compact and powerful system is controlled by our user-friendly software PurityChrom®.

The low pressure gradient module (NDG module) allows operation in both ternary and binary modes. In binary mode, samples can be fed directly to the column via one channel of the NDG module. This allows the system pump to be used simultaneously as a sample pump and very large sample quantities can be applied in an automated manner without any problems.

Injection with VariLoop

The KNAUER VariLoop is the optimal solution if medium to large sample sizes are to be applied to the column. The VariLoop can be filled completely or partially, as well as completely or partially emptied. This allows very flexible and automated work and the easy change between different sample volumes. A constant and reproducible result is achieved for each sample volume. In contrast to all other methods for the injection of large sample volumes, the KNAUER VariLoop allows a nearly lossless sample application.



AZURA made in germany

- Low pressure gradient preparative HPLC system for the purification of mg and gram samples
- Pump with a large flow rate range of 0.01-100 ml/min (max. 400 bar)
- Eluent mixture can be produced from up to three different solvents
- UV/VIS detector with a variable single wavelength
- Fraction collection via 16-port-multiposition valve
- Injection via electric valve and VariLoop
- Mobile Control allows monitoring and control of all AZURA® devices
- Easily expandable due to modular design

System

752102112 AZURA® Pilot Prep 100 LPG with fractionation valve and PurityChrom® software

Optional hardware

A3103-1E PC workstation, Intel® Core™ i5 Processor, 8 GB RAM, 24" TFT, Windows 7 Prof. 64 bit

Optional Service: Installation

PROMOTION EDITION: AZURA® Compact Bio LC 10

For easy size exclusion chromatography

The AZURA® Compact Bio LC 10 system takes care of time-intensive SEC (size exclusion chromatography) methods in your laboratory. If you own a fully-equipped FPLC system, it will be free again to take over the more complex purification methods. The robust components of this compact FPLC system work very precisely and ensure excellent separation performance.

System and included software are ideal for automated purification and very easy to use. The AZURA series is modular and can be flexibly configured or supplemented with further modules at a later date.

System components

The AZURA compact system contains a UV detector with a variable wavelength, an injection valve for automatic sample loading, and an isocratic system pump. The fraction collector reliably collects its purified sample into vessels of your choice from microtiter plates to bottles. The wetted parts are biocompatible and can be used with either buffer or with selected solvents.

Control your runs with the easy-to-use FPLC software PurityChrom®. The software contains prefabricated methods, which can be easily adapted by changing the column volume. The user interface combines a clear visualization of the flow path with an intuitive device control.



AZURA made in germany

- Flow rate: 0.001 - 10 ml/min; 0.1 - 8.0 ml/min (recommended)
- Injection valve for automatic sample injection
- Variable single wavelength UV detector (190 - 500 nm)
- Fraction collector with rack for 15 ml Falcon® tubes (additional racks on request)
- Compatible with all common biochromatography columns
- Intuitive PurityChrom® software

System

672101122 AZURA® Compact Bio LC 10, PurityChrom® software, Foxy® R1 fraction collector

Optional hardware

A3103-1E PC workstation, Intel® Core™ i5 Processor, 8 GB RAM, 24" TFT, Windows 7 Prof. 64 bit

A70011 Benchtop rack for fraction collector Foxy® R1

Optional service: Installation

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