



Article No.: A48008

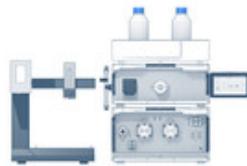
Articlename: AZURA Prep Lab LC 50 HPG

AZURA Prep Lab LC system, high pressure gradient Automated binary semipreparative system with a maximum flow rate of 50 ml/min

The AZURA Lab Prep LC 50 HPG system with 50 ml pump head is a completely automated semi-preparative high pressure gradient HPLC system. The system consists of an Autosampler 6.1L, Pump P 6.1L, a Detector UVD 2.1L, Fraction Collector Foxy R2 and comes with an eluent tray for safe storage of up to six bottles. The Autosampler 6.1L can inject from up to 768 positions when equipped with microtiter plates (either high or low formats) or from up to 108 standard 2 ml sample vials. The pump can deliver flow in the range of 0.01 – 50 mL/min at pressures up to 300 bar. The AZURA Binary Pump contains two identical high pressure pumps (300 bar), 2 × 2-channel inlet solvent selection valve and the newly developed AZURA mixer, a low-volume mixing device. The Foxy R1 fraction collector is ideal for applications including prep HPLC, protein, and peptide purifications. The column can be attached anywhere to the system via the magnetic clip. Solvent bottles can be stored in an eluent tray on top of the system. A leak sensor, capillary guides as well as a tablet vial rack. **Chat** control are features rarely found in

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other preparative HPLC systems. Modern design with completely demountable fronts turn the system into a visual highlight. The stackable elements of AZURA allow to create complex system solutions requiring only a minimum of space.



AZURA Lab Prep LC System

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TECHNICAL DATA

System specification

System type	Lab
Max. flow rate	50 ml/min
Gradient	hpg
Maximum delivery pressure [psi]	2180 psi
Maximum delivery pressure [bar]	150 bar
Maximum delivery pressure [MPa]	15 MPa
Detector	Variable single wavelength detection UV/VIS
Injection	automatic injection
Fractionation	Foxy R1
Software	PurityChrom

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SYSTEM COMPONENTS



AZURA Eluent tray E 2.1L

Article No. AZC00

AZURA® Eluent tray E 2.1L for AZURA® devices with a capacity of 6 x 1 l bottles or 4 x 2.5 l bottles or 2 x 5 l bottles, (delivery without bottles)

Type : **Eluent tray**



AZURA Assistant ASM 2.2L

Article No. AY01421

Left module: UV detector UVD 2.1S - EDA03XA Middle module: Valve drive VU 4.1 - EWA04 Right module: Empty module

Left module : **UV detector UVD 2.1S - EDA03XA**

Middle module : **Valve drive VU 4.1 - EWA04**

Right module : **Empty module**



AZURA V 4.1 Valve

Article No. AVD26AE

2-position valve, 6 Port, DLC stainless steel, PEEK, 1/16", 500 bar, 0.75 mm bore size

Operated : **electrical by VU 4.1**

Port number : **6**

Positions : **2**

Material : **Stainless steel**

Capillary connection : **1/16"**

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AZURA P 6.1L

Article No. APH38FA

AZURA® Pump P 6.1L (HPG), without degasser, with 50 ml pump head (stainless steel) and mixer (200 µl)

Max. flow rate : **50 ml/min**

Pump head materials : **Stainless Steel**

Gradient : **High pressure gradient (binary)**

Pump features : **Active pulsation compensation, RFID for automatic pump head detection, Integrated pressure sensor, Purge valve (manual), Leak management, Piston seal wash**

Maximum delivery pressure [MPa] : **30 MPa**



Semi-preparative UV Flow Cell

Article No. A4042

3 mm path length, 2 µl, 1/16", stainless steel, classical KNAUER flow cell

Flow cell type : **Semi-preparative UV flow cell**

Path length : **3 mm**

Capillary connection : **1/16"**

Max. flow rate : **50 ml/min**

Flow cell volume : **2 µl**



Fraction Collector Foxy R1

Article No. A59100

Fraction collector Foxy® R1 for 1/16" or 1/8" tubing

Max. flow rate : **25 ml/min or 125 ml/min**

Capillary connection : **1/16" or 1/8"**

Brand : **Foxy R1**

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**Rack for Foxy R1/R2**

Article No. A59104

Rack for 144 vials 13 mm/max. 9 ml for Foxy® R1/R2

**Rack for Foxy R1/R2**

Article No. A59105

Rack for 100 vials 16 mm/max. 20 ml for Foxy® R1/R2

**Mobile Control Tablet Mount**

Article No. A9617

Mobile Control Mount - flexible tablet mount for tablets

**Chromatography Workstation: PC plus monitor**

Article No. A13120

Desktop PC (SFF) for PurityChrom® and ClarityChrom® with 24" monitor, English edition Windows 10 Prof. 64-bit English, Intel® Core™ i5, 8 GB RAM, 256 GB SSD, two network cards

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Router 8-Port LAN, WiFi, EU version

Article No. A64809

WiFi router, 8x LAN GBit RJ-45 ports, 1x WAN GBit RJ-45 port



AZURA Capillary Start-up kit

Article No. A9849-1

AZURA® start-up kit 1/16", stainless steel, semi-prep, capillary kit



Tool kit AZURA

Article No. A1033-1

Tool Kit AZURA® for 1/16" systems (stainless steel)

Type : **Tool kit**



PurityChrom® Basic

Article No. A2650

Basic License for one system

Software name : **PurityChrom® 5**

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ACCESSORIES & SPARE PARTS



Set of eluent supply bottles for analytical LPG systems

Set of eluent supply bottles, 4 x 1 L bottles for Eluents and 1 x 250 ml bottle for piston backflushing, includes screw caps with holes for eluent tubing

Article No.: A5324-2



Crimp neck vial set N20, 10 ml, clear

Vials: Crimp neck vials N20 (ø 22 mm), 10 ml, clear glass
Caps: Cap PE transparent, N20 for flat crimp neck, center hole,
Septa: Natural rubber red-orange/TEF, 1000 pcs. each

Article No.: A1585

DOCUMENTS AND MORE INFORMATION

AZURA Preparative HPLC brochure

AZURA Preparative HPLC brochure, V7820US

Brochure English

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RELATED PRODUCTS



AZURA Prep
compact LC system,
isocratic
ASM 2.1L with
manual injection
valve UVD 2.1S P
4.1S 50 ml/min flow
rate
Article No.: A48006



Do you need more details or a quote?

We are happy to help you



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