



Article No.: 741102010

Article name: AZURA Prep Pilot LC 250 LPG

AZURA Prep Pilot LC system, low pressure gradient Preparative system with 220 ml/min max. flow rate and ternary gradient

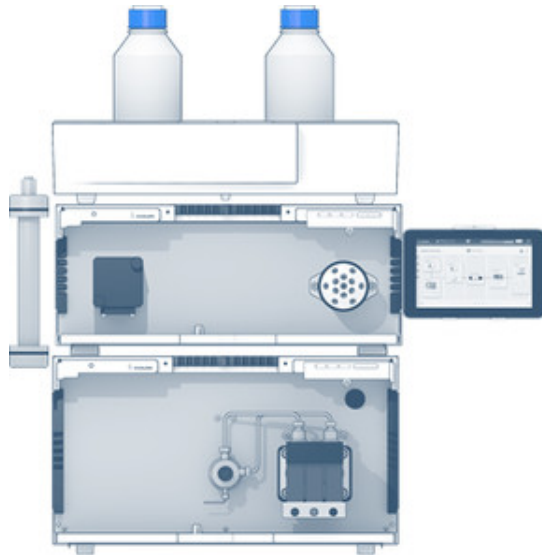
The AZURA Pilot Prep LC 250 LPG system is a complete low pressure gradient (LPG) HPLC system for the purification of samples in the laboratory scale. The AZURA Preparative HPLC system is designed and optimized for the purification of milligram to gram samples. The system proposal consists of a preparative HPLC pump with ternary LPG valve block and an Assistant ASM 2.1L. Large sample volumes can be introduced via the third LPG channel.

For small volume size the sample can be injected with a manual injection valve. The AZURA P 2.1L pump covers a wide flow rate range and pressure capabilities. In the current setup, it supports max. pressures up to 225 bar at flow rates up to 100 ml/min (200 bar from 100 - 220 ml/min). The integrated automatic recognition of the pump head with RFID technology allows fast adaptations of the pump for various applications. The LPG valve block enables the accurate formation of binary or ternary gradients with a maximum flow rate of 220 ml/min. The system is completed by an AZURA Assistant ASM 2.1L for preparative

For **Help** Assistant includes the detector

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UVD 2.1S, an injection valve and a 12 port multipositions valve for fractionation. The AZURA HPLC system comes with an eluent tray for safe storage of eluent bottles and an integrated leak management system with sensors. Columns (20 mm and 30 mm ID) can be attached with an optional AZURA mounting bracket at both sides of each AZURA element. A leak sensor and the capillary guidance as well as the optional Mobile Control with touch screen facilitate the safe and user friendly operation. Modern design with completely demountable fronts turn the system into a visual highlight.



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TECHNICAL DATA

System specification

System type	Pilot
Max. flow rate	250 ml/min
Gradient	lpg
Maximum delivery pressure [psi]	2900 psi
Maximum delivery pressure [bar]	200 bar
Maximum delivery pressure [MPa]	20 MPa
Detector	Variable single wavelength detection UV/VIS
Injection	manual injection
Fractionation	multi-position valve
Software	ClarityChrom

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SYSTEM COMPONENTS



AZURA P 2.1L

Article No. APE20LA

AZURA® Pump P 2.1L with 250 ml pump head (stainless steel)

Max. flow rate : **250 ml/min**

Pump head materials : **Stainless Steel**

Gradient : **Isocratic**

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

Maximum delivery pressure [MPa] : **22.5 MPa**



AZURA Assistant ASM 2.2L

Article No. AY01403

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

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

Middle module : **Empty module**

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



AZURA V 4.1 Valve

Article No. AVT53AE

Multiposition valve, 12 ports, DLC stainless steel, PEEK, 1/8", 100 bar, 1.5 mm bore size

Operated : **electrical by VU 4.1**

Port number : **12**

Positions : **Multiposition**

Material : **Stainless steel**

Capillary connection : **1/8"**

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AZURA LPG ternary module for Pump P 2.1L

Article No. AZZ00AB

LPG module for Pump P 2.1L ternary up to 220 ml/min (stainless steel)



Preparative UV Flow Cell

Article No. A4066

2 mm path length, 1/8", 200 bar, stainless steel, changeable to 0.5/1.25 mm, classical KNAUER flow cell

Flow cell type : **Preparative UV flow cell**

Path length : **0.5 / 1.25 / 2 mm**

Capillary connection : **1/8"**

Max. flow rate : **1000 ml/min**

Flow cell volume : **1.7 / 4.3 / 6.8 µl**



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**

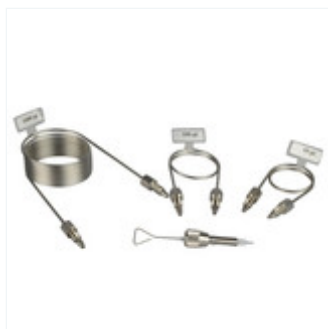


Mounting bracket AZURA L

Article No. A9853

Mounting bracket AZURA® L for KNAUER manual injection valves

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**1 ml Sample loop**

Article No. A1043

Sample loop, 1 ml, stainless steel, 2.2 mm ID

**2 ml Sample loop**

Article No. A1044

Sample loop, 2 ml, stainless steel, 1.6 mm ID

**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

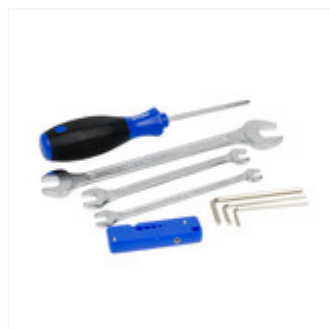
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Router 8-Port LAN, WiFi, international

Article No. A64809INT

WiFi router, 8x LAN GBit RJ-45 ports, 1x WAN GBit RJ-45 port, power plug UK, US or AUS



Tool kit AZURA

Article No. A1033-2

Tool Kit AZURA® for 1/8" systems (stainless steel)

Type : **Tool kit**



AZURA Capillary Start-up kit

Article No. A9850

AZURA® start-up kit 1/8" stainless steel, capillary kit



Inlet-bushing kit LPG

Article No. A58206

Solvent Filter 1/4" PTFE tubing max Flow 250 ml/min

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PurityChrom® Basic

Article No. A2650

Basic License for one system

Software name : **PurityChrom® 5**

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ACCESSORIES & SPARE PARTS



**Mounting bracket AZURA
L**
Mounting bracket AZURA®
L for columns with 25 - 29
mm AD

Article No.: A9853-3



Torque wrench
Torque wrench basic tool,
1-25 Nm, without plug-in
head

Article No.: X0219



Product riser AZURA
Product Riser AZURA®:
Set of 4 feet that lift the
device to a height of 28
mm for easy handling of
the waste tube of the
drainage system

Article No.: A9860



Installation Box Kit
Installation Box Kit, Box for
small parts, KNAUER file
folder and support sticker

Article No.: A9862



**Set of eluent supply
bottles**
Set of eluent supply
bottles, 3 x 2.5 L brown
glass bottles (borosilicate
glass) with special round
bottom for minimal eluent
remainder, for preparative
HPLC/FPLC, includes
screw-type cap

Article No.: A70037



1 ml Sample loop
Sample loop, 1 ml,
stainless steel, 2.2 mm ID

Article No.: A1043

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Injection syringe
Injection syringe 2500 µl
Article No.: A0730

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DOCUMENTS AND MORE INFORMATION

AZURA SMB systems instructions EN (V6775)

Manual English

AZURA Präparatives System Installationskarte DE (V6800)

Manual German

AZURA pre-installation guide for analytical systems User Manual EN (V6802-Ana)

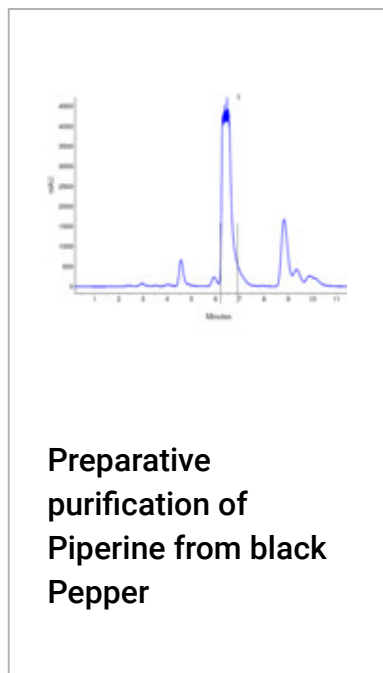
Manual English

AZURA Preparative HPLC brochure

AZURA Preparative HPLC brochure, V7820US

Brochure English

APPLICATIONS FOR THIS PRODUCT



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RELATED PRODUCTS



**AZURA Prep Pilot LC
system, isocratic**
P 2.1L Pump with 250
ml/min pump head ASM
2.1L Assistant with feed
pump, fractionation and
injection valve UVD 2.1L
Detector

Article No.: 744201010



**AZURA Prep Pilot LC
system, high pressure
gradient**
2 x P 2.1L Pump with 250
ml/min pump head ASM
2.1L Assistant with feed
pump, fractionation and
injection valve UVD 2.1L
Detector

Article No.: 744203110



**AZURA Prep Pilot LC
system, isocratic**
P 2.1L Pump with 100
ml/min pump head ASM
2.1L Assistant with feed
pump, fractionation and
injection valve UVD 2.1L
Detector

Article No.: 755201110



**AZURA Prep Pilot LC
system, high pressure
gradient**
2 x P 2.1L Pump with 1000
ml/min pump head ASM
2.1L Assistant with feed
pump and injection valve
UVD 2.1L Detector

Article No.: 724203110



**AZURA Prep Pilot LC
system, high pressure
gradient**
2 x P 2.1L Pump with 100
ml/min pump head ASM
2.1L Assistant with feed
pump, fractionation and
injection valve UVD 2.1L
Detector

Article No.: 755203110

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Do you need more details or a quote?

We are happy to help you



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