



Article No.: A46019

Articlename: AZURA System for column screening

HPLC system for column screening

Automated selection of up to 6 columns

This system features an AZURA P 6.1L LPG pump, an Autosampler AS 6.1L, a column thermostat CT 2.1, a DAD 2.1L UV/VIS detector with 8-variable UV measuring channels from 190 - 700 nm and optionally a refractive index detector RID 2.1L with an outstanding linear range and sensitivity. Additionally, a column switching module is integrated for automated column screening.

It is the standard HPLC system with a backpressure range of up to 860 bar. It perfectly fits the demanding needs of a method development system, as well as the robust fitness of a routine analysis machine.



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TECHNICAL DATA

Analytical system

Application area	HPLC
Pump system	Gradient
Gradient	Quarternary LPG
Injection	Autosampler
Detector	Diode array detection DAD, Refractive index detection RI
Software	ClarityChrom
Pressure	862 bar
Column thermostat	Yes

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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**



Set of eluent supply bottles for analytical LPG systems

Article No. A5324-2

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



Eluent waste kit for AZURA Analytical systems

Article No. A59258

Eluent waste kit for all AZURA Analytical systems, incl. filter, waste can and cap

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AZURA P 6.1L

Article No. APH34EA

AZURA® Pump P 6.1L (LPG), with 10 ml pump head (stainless steel), degasser and mixer (200 µl)

Max. flow rate : **10 ml/min**

Pump head materials : **Stainless Steel**

Gradient : **Low pressure gradient (quaternary)**

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] : **86 MPa**



AZURA Assistant ASM 2.2L

Article No. AY00008

Left module: Valve drive VU 4.1 - EWA04 Middle module: Empty module

Right module: Valve drive VU 4.1 - EWA04

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

Middle module : **Empty module**

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



High-pressure multi-position valve, 8 Port

Article No. AVR38AC

Multiposition valve, 8 Port, DLC stainless steel, Vespel®, 1/16", 1200 bar, 0.3 mm bore size

Operated : **electrical by VU 4.1**

Port number : **8**

Positions : **Multiposition**

Material : **Stainless steel**

Capillary connection : **1/16"**

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Autosampler AS 6.1

Article No. AAA50AA

AZURA® Autosampler AS 6.1L analytical HPLC autosampler, 862 bar

Maximum back pressure : **862 bar**

Sample loop : **100 µl**

Sample tray cooling : **None**

Autosampler Flow Path : **Analytical**



Screw neck vial set N9, 1.5 ml, clear, wide opening, 100x

Article No. A0638-6

Vials: Screw neck vials N9 (ø 11.6 mm), 1.5 ml, clear glass, flat bottom, wide opening, with label & scale

Caps: Screw caps blue with septum silicone beige/PTFE white
100 pcs each



AZURA CT 2.1

Article No. ATC00

Column thermostat AZURA CT 2.1 for constant temperatures and reproducible results

Temperature range : **5–85 °C**

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AZURA Detector DAD 2.1L

Article No. ADC01

AZURA® Detector DAD 2.1L Diode array detector DAD 2.1L without flow cell 190 - 700 nm, incl. test cell

Detector type : **Diode array detector**

Detection channels : **8 (Digital)/4 (Analog)**

Wavelength range : **190 - 700 nm**

Number of diodes : **256**

Linearity : **> 2.0 AU at 274 nm (ASTM E1657-98)**



Analytical KNAUER PressureProof UV Flow Cell Cartridge

Article No. AMC38

10 mm path length, 10µl, 1/16", 300 bar, PressureProof Flow cell cartridge for AZURA® Detector DAD/MWD

Flow cell type : **Analytical UV flow cell**

Path length : **10 mm**

Capillary connection : **1/16"**

Max. flow rate : **20 ml/min**

Flow cell volume : **10 µl**



Highly sensitive refractive index detector for liquid chromatography

Article No. ADD31

AZURA® Detector RID 2.1L analytical refractive index detector with flow cell

Detector type : **Refractive index detector**

Detection channels : **1**

Linearity : **> 1000 µRIU**

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ClarityChrom 8.2.3 - Workstation, autosampler control included

Article No. A1670

ClarityChrom® single instrument license for one time base

Software name : **ClarityChrom**



ClarityChrom 8.2.3 - PDA extension

Article No. A1676

ClarityChrom® option for PDA data processing

Software name : **ClarityChrom**



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

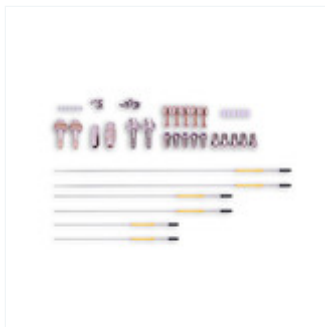


Router 8-Port LAN, WiFi, international

Article No. A64809INT

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

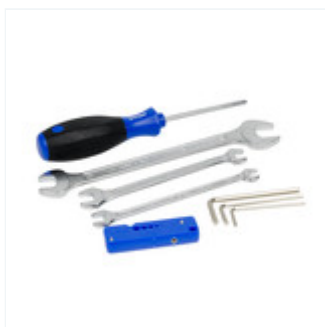
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AZURA® Analytical K-Connect start-up kits, stainless steel, 1/32" capillaries with fitting sleeves for 1/16"connections

Article No. AZF50

Set of precut capillaries 0.18 mm ID, fittings, connectors and adapters, yellow



Tool kit AZURA

Article No. A1033

Tool Kit AZURA® for systems with PEEK or pre-cut capillary kits

Type : **Tool kit**

DOCUMENTS AND MORE INFORMATION

AZURA System Selection Guide (V7857US)

System suggestions for analytical HPLC/UHPLC, FPLC, preparative LC and sample preparation systems. English language, V7857US

Brochure English

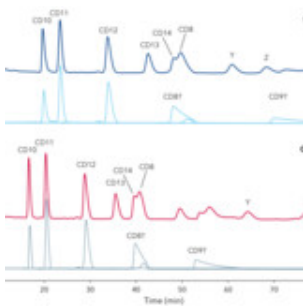
AZURA Analytical HPLC and UHPLC brochure

AZURA Analytical HPLC/UHPLC brochure, V7852US, V4, 2017-08

Brochure English

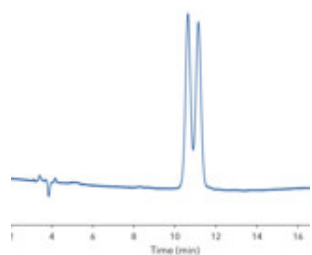
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APPLICATIONS FOR THIS PRODUCT



The image shows two chromatograms, labeled 'A' and 'C', illustrating the purification of cyclodextrin. Chromatogram 'A' (top) shows several peaks labeled CD10, CD11, CD12, CD13, CD14, and CD15, with a baseline labeled 'Y' and 'Z'. Chromatogram 'C' (bottom) shows a similar set of peaks with a baseline labeled 'Y' and 'Z'. The x-axis for both is labeled 'Time (min)' and ranges from 20 to 70.

Cyclodextrin purification Part 1



The image shows a single chromatogram with two distinct peaks at approximately 10 and 11 minutes, demonstrating the enantioseparation of alpha-ionone. The x-axis is labeled 'Time (min)' and ranges from 4 to 16.

Mirror, mirror... - Chiral column screening for enantioseparation of α -ionone



Do you need more details or a quote?

We are happy to help you



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