

Article No.: APE20KA Articlename: AZURA P 2.1L

AZURA P 2.1L

Preparative HPLC pump with 100 ml/min pump head, stainless steel

AZURA preparative HPLC pump P 2.1L covers wide flow rate range and pressure capabilities. It has been designed for purification of mg and gram samples. The Mobile Control allows intuitive control in stand-alone operation. The integrated automatic recognition of the pump head with RFID technology allows fast adaptions of the pump for various applications.



TECHNICAL DATA

General information



Maximum delivery pressure [bar]	400 bar
Pump head materials	Stainless Steel
Maximum viscosity	1000 cP
Liquid temperature range	4-60 °C (39.2-140 °F)
Gradient	Isocratic
Leak management	yes
Wetted materials	sapphire, ruby, GFP (graphite fiber reinforced PTFE), FFKM, PEEK, stainless steel, Zirconium oxide, Titanium
Pump features	Piston seal wash, Leak management, Purge valve (manual), RFID for automatic pump head detection, Active pulsation compensation, Integrated pressure sensor

Detailed information

Best working conditions	1-80 ml/min
Continuous working conditions	1-40 ml/min
Flow rate accuracy	± 2 %
Flow rate accuracy conditions	measured at 5 - 50 % of flow range using ethanol/water 10:90
Flow rate precision	< 0.1 % RSD
Flow rate precision conditions	measured at 5 - 50 % of flow range using ethanol/water 10:90
HPG: gradient accuracy	± 2 % (5 - 95 %, measured at 5 - 50 % of flow range, water/caffeine tracer)
HPG: gradient precision	1 % RSD, based on retention time at constant room temperature
LPG: gradient accuracy	\pm 3 % (5 - 95 %, measured at 5 - 50 % of the flow range, water/caffeine tracer)
L DC: gradient	2 % RSD, based on retention time at constant room

Active piston seal wash	+
Piston seal washing	+
Pump Outlet thread	Female M8 x 1 (coned)
Pump head inlet (standard)	M8 x 1 (flat bottom)
Pump head outlet (standard)	M8 x 1 (coned)

Communication

Control	LAN; analog and event controlled
Inputs	flow rate
Outputs	pressure; 8 event outputs (TTL, OC, relays)
Analog inputs	0-10 V
Analog outputs	1, 2 or 5 V

General

Power supply	100 - 240 V, 50 - 60 Hz
Dimensions	361 x 208,2 x 523 mm (W x H x D)
Weight	19 kg
Leak sensor	yes
Ambient conditions	temperature range: 10-40 °C; 50-104 °F air humidity: below 90 % humidity (non condensing)

ACCESSORIES & SPARE PARTS



Pump head inlet

Pump head inlet for AZURA® Pump P 2.1L, BlueShadow 80P, 1/4" (NPT), stainless steel

Article No.: A9861



Pump head 100 ml, stainless steel Pump head 100 ml, stainless steel, 400 bar

Article No.: A4029-1



Pump head for SFC applications
(stainless steel, 100 ml)
100 ml/min, stainless steel, 400
bar, optimized for SFC applications,
for AZURA Pump P 2.1L,
BlueShadow Pump 80P, Smartline
Pump 1800 and Smartline Pump
1950, with accessories.

Article No.: A4023V5



AZURA LPG binary module for Pump P 2.1L

LPG module for Pump P 2.1L binary up to 800 ml/min (stainless steel)

Article No.: AZZ00AA



AZURA LPG ternary module for Pump P 2.1L

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

Article No.: AZZ00AB



Pump head cooling and heating device

Pump head cooling and heating device for 100/250/500/1000 ml/min pump heads

Article No.: A2034-1



HPLC inline filter for semi-prep LC applications

Article No.: A3380

DOCUMENTS AND MORE INFORMATION

AZURA Pumpe P 2.1L Benutzerhandbuch DE (V6840)

Manual German

AZURA Pump P 2.1L User Manual EN (V6840)

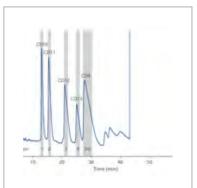
Manual English

List of supported devices in chromatography data systems EN (V1663)

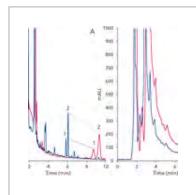
Device support in KNAUER CDS / KNAUER device support in 3rd party software

Information English

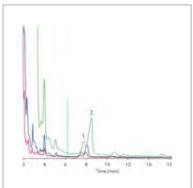
APPLICATIONS FOR THIS PRODUCT



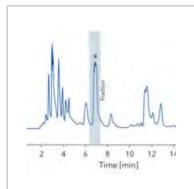
Cyclodextrin purification Part 2



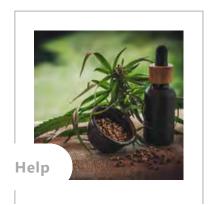
Scale-Up of an analytical HPLC method for steviol glycosides to a preparative approach



Evaluating
preparative online
SPE for the
purification of stevia
leave extracts



Purification of chamazulene by preparative HPLC and its scale-up



Purify CBD and other cannabinoids by preparative HPLC

RELATED PRODUCTS



AZURA P 2.1L
AZURA® Pump P 2.1L with 100 ml
pump head (titanium)

Article No.: APE20KB



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

Article No.: APE20LA



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

Article No.: APE20LC



AZURA P 2.1L

AZURA® Pump P 2.1L with 500 ml pump head (stainless steel)

Article No.: APE20MA



AZURA P 2.1L

AZURA® Pump P 2.1L with 500 ml pump head (titanium)

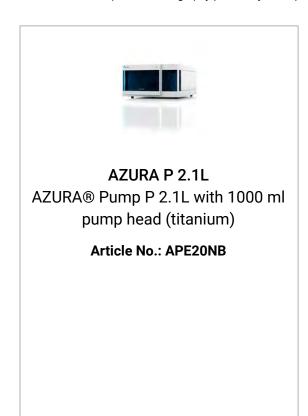
Article No.: APE20MC



AZURA P 2.1L

AZURA® Pump P 2.1L with 1000 ml pump head (stainless steel)

Article No.: APE20NA



RELATED FAQS

What is the difference between a Dosing Pump and an HPLC System Pump?

Certified Quality





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See all Quality certificates

In addition, we have extended documentation about all our products, including **CE Declarations of Conformity**.

See all CE Declarations of conformity

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