

Part No: APG90FC

**Compact pump without pressure sensor, with 50 ml/min
Hastelloy C pump head, for water dosing**

For HPLC and dosing applications

With its small footprint, the compact dual piston pump AZURA P2.1S can be used for a wide range of laboratory tasks. A pressure rating of up to 400 bar and chemical resistance to a wide range of eluents make it the perfect choice for LC and dosing applications. Pump heads with maximum flow rates of 10 and 50 ml/min are available.

Moreover, its exchangeable pump head allows adaptation of the pump for delivery of aggressive media and bioinert applications. The pump head can be heated or cooled with optional accessories.



AZURA P 2.1S pump

KEY FEATURES



compact



Made in Germany

TECHNICAL DATA

General Information

Max. flow rate	50 ml/min
Flow rate range	0.01-50 ml/min
Flow rate increment	0.01
Maximum delivery pressure [psi]	2180 psi
Maximum delivery pressure [bar]	150 bar
Maximum delivery pressure [MPa]	15 MPa
Pressure range	<p>— 10 ml pump head stainless steel recommended recommended (continuous)</p>
Pump head materials	Hastelloy® C-276
Maximum viscosity	100 cp
Liquid temperature range	4–60 °C (39.2–140 °F)
Gradient	Isocratic
Leak management	no

wetted materials FFKM, GFP (graphite fiber reinforced PTFE), sapphire, ruby, aluminum oxide (Al₂O₃), KEL-F® (PCTFE), Hastelloy® C, Zirconium oxide

Detailed information

Best working conditions	1.0-40.0 ml/min
Continuous working conditions	3-25 ml/min
Flow rate accuracy	± 5 %
Flow rate accuracy conditions	measured at 5-50% of flow range using ethanol/water 10:90
Flow rate precision	< 0.5% RSD
Flow rate precision conditions	measured at 1 / 5 ml/min using ethanol/water 10:90
Pump type	Ultra-compact high pressure pump
Pulsation compensation	no
Active piston seal wash	no
Piston seal washing	yes
System protection	I _{min} and I _{max} adjustable
Pump head inlet (standard)	1/4"-28 UNF (flat bottom)
Pump head outlet (standard)	10-32 UNF (coned)

Communication

Interfaces	display
Control	RS-232; analog; button on device
Analog inputs	0-10V

General

Power supply	100-240 V; 50-60 Hz
Dimensions	121 x 129 x 220 mm
Weight	2.3 kg
Leak sensor	no
Ambient conditions	temperature range: 10-40 °C; 50-104 °F air humidity: below 90 % humidity (non condensing)

ACCESSORIES & SPARE PARTS



Pump head 10 ml
Pump head 10 ml, stainless steel
Article No.: AHB40



Accessory kit AZURA P 2.1S and P 4.1S
included in shipkit
Article No.: FPG



Accessory kit AZURA small devices cable kit for all devices with footprint "S" included in shipkit
Article No.: FZA01



Pump head cooling and heating device
for 10 and 50 ml pump heads
Article No.: A2035-1

DOCUMENTS AND MORE INFORMATION

AZURA Pump P 4.1S / P 2.1S User Manual EN (V6870)

Manual English PDF 2.0 MB

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