iChrom Solutions
542 Cross Keys Road
Suite 3-376
Sicklerville, NJ 08081-4367
609-799-7250
sales@iChrom.com



Part Number: APG90EB

Base Pump: AZURA** P 2.1S

Compact pump without pressure sensor, 10 ml/min Hastelloy C pump head

For HPLC and dosing applications

With its small footprint, the compact dual-piston pump AZURA P 2.1S can be used for many different 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 – the exchangeable pump head allows adaptation of the pump for delivery of aggressive media and bioinert applications. The pump head can also be heated or cooled with optional accessories.



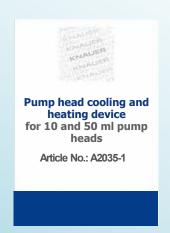
AZURA P 2.1S pump

ACCESSORIES & SPARE PARTS











TECHNICAL DATA

General Information

Max. flow rate: 10 ml/min

Flow rate range: 0.001-10 ml/min

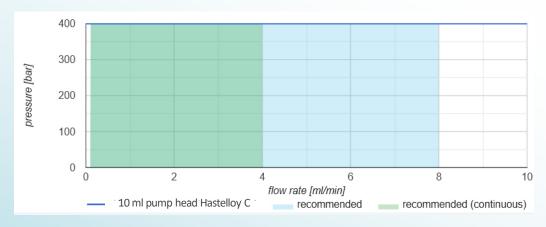
Flow rate increment: 0.001

Maximum delivery pressure [psi]: 5800 psi

Maximum delivery pressure [bar]: 400 bar

Maximum delivery pressure [MPa]: 40MPa

Pressure range:



Pump head materials: Hastelloy® C-276

Maximum viscosity: 100 cp

Liquid temperature range: 4-60 °C (39.2-140 °F)

Isocratic **Gradient:**

Leak management: No

Wetted materials:

FFKM, Zirconium oxide, GFP (graphite fiberreinforced PTFE), ruby, sapphire, aluminum oxide (Al $_2$ 0 $_3$), Hastelloy 8 C-276, KEL-F 8



Detailed information

Best working conditions: 0.1-8.0 ml/min

0.1-4.0 ml/min **Continuous working conditions:**

±5% Flow rate accuracy:

Flow rate accuracy conditions: 5-50% of flow range using ethanol/water 10:90

Flow rate precision: < 0.5% RSD

Measured at 1/5 ml/min using ethanol/water 10:90 Flow rate precision conditions:

Pulsation compensation: No

Pump type: **Ultra-compact high pressure pump**

Active Piston seal wash: No

Yes Piston seal washing:

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

100-240 V; 50-60 Hz Power supply:

121 x 129 x 220 mm **Dimensions:**

2.3 kg Weight:

No Leak sensor:

Ambient conditions: Temperature range: 10-40 °C; 50-104 °F air humidity: <90 % (non condensing)