

Part No: APG20FG

Compact pump with pressure sensor and 50 ml/min stainless steel 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 4.1S pump with pressure sensor

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 ceramic recommended recommended (continuous)</p> |
| Pump head materials | Stainless steel |
| Maximum viscosity | 100 cp |
| Liquid temperature range | 4–60 °C (39.2–140 °F) |
| Gradient | Isocratic |
| Leak management | no |
| Wetted materials | GFP (graphite fiber reinforced PTFE), ruby, sapphire, aluminum oxide (Al ₂ O ₃), KKM, PEEK, Titanium, Stainless steel |
| Note | Pressure sensor membrane made of stainless steel; limited wetting in fluidic path |

Detailed information

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Best working conditions | 1.0–40.0 ml/min |
| Continuous working conditions | 3–25 ml/min |
| Pump type | Ultra-compact high pressure pump |
| Pulsation compensation | no |
| Active piston seal wash | no |
| Piston seal washing | yes |
| System protection | <ul style="list-style-type: none">• P_{\min} and P_{\max} adjustable• 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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