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AZURA P 2.1L Preparative HPLC Pumps

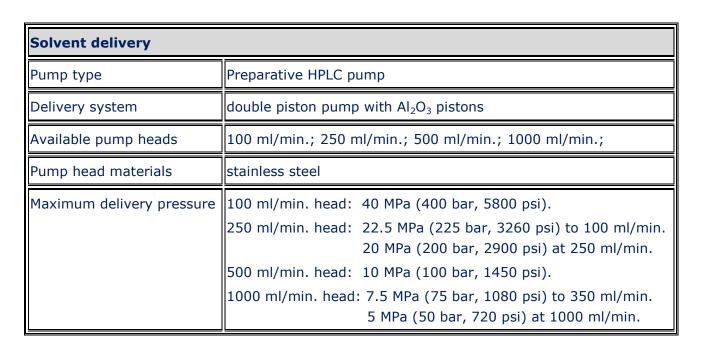
The AZURA preparative HPLC pump P 2.1L covers a wide flow rate range and pressure capabilities. It has been designed for purification of mg and gram samples. The control unit allows intuitive control in standalone operation.

The integrated automatic recognition of the pump head with RFID technology allows fast adaptions of the pump for various applications.

Key features:

- Preparative pump offers wide range of flow rates (0.1-1000 ml/min)
- Selection of different pump head materials
- > Choice of two LC software platforms
- > Improved electronic drive compensation
- Integrated compressibility compensation
- > Integrated leak management
- Constant pressure operation mode

Specifications







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Flow rate range	100 ml/min. head:	0.01-100 ml/min 0.2 - 80 ml/min (recommended)	
	250 ml/min. head:	0.1-250 ml/min	
		0.5 - 200 ml/min (recommended)	
	500 ml/min. head:	0.1-500 ml/min	
	1000 1/	2 - 400 ml/min (recommended)	
	1000 ml/min. head:	10 - 800 ml/min (recommended)	
Flow rate increment	0.01 ml/min		
Flow rate accuracy	± 2 %, measured at 10:90	5 - 50 % of flow range using ethanol/water	
Flow rate precision	< 0.1 % RSD		
Gradient support	isocratic, upgradeable to a binary HPG system with additional pump P 2.1L or to a binary or ternary LPG system		
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	± 3 % (5 - 95 %, measured at 5 - 50 % of the flow range, water/caffeine tracer)		
LPG: gradient precision	2 % RSD, based on I	retention time at constant room	
System protection	soft start, P _{min} and P _{max} are programmable		
Wetted materials	stainless steel, graphite fiber reinforced PTFE, FKM, PEEK, sapphire, aluminum oxide (Al_2O_3)		
Communication	Communication		
Control	LAN; RS-232; analog and event controlled		
Analog inputs	0-10 V		
Analog control input	flow rate		
Level/event outputs	8 event outputs (TTL, OC, relays)		
Programming	19 programs + 9 link	s (to programs) + 1 wake up program	



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Special features	system pump head is detected automatically using radio frequency identification (RFID)		
Technical parameters			
Ambient conditions	temperature range: 10-40 °C; 50-104 °F air humidity: below 90 % humidity (non condensing)		
Leak sensor	yes		
General			
Power supply	voltage range: 100 - 240 V, 50 - 60 Hz		
Dimensions	361 x 208.2 x 523 mm (W x H x D)		
Weight	19 kg		
Optional accessories	ternary low pressure gradient valve block, 10-220 ml/min binary low pressure gradient valve block, 10-800 ml/min pump head heating and cooling device		
Technical data are subject to change without notice			

Product Information

APE20KA	Preparative HPLC pump with 100 ml/min pump head, stainless steel
APE20KB	Preparative HPLC pump with 100 ml/min pump head, titanium
APE20LA	Preparative HPLC pump with 250 ml/min pump head, stainless steel
APE20LC	Preparative HPLC pump with 250 ml/min pump head, titanium
APE20MA	Preparative HPLC pump with 500 ml/min pump head, stainless steel
APE20MC	Preparative HPLC pump with 500 ml/min pump head, titanium
APE20NA	Preparative HPLC pump with 1000 ml/min pump head, stainless steel
APE20NB	Preparative HPLC pump with 1000 ml/min pump head, titanium