

AP PUMP FAMILY



Operating Temperature
Flow calibration
Accuracy and Precision
Liquid-contact Materials
Injection

0° - 40° C for instrument.

Can be done via the keyboard.
 Maximum accuracy error is ± 0.25%, depending of the solvents and calibration.

316 stainless steel/titanium, sapphire/ceramic, ruby, PCTFE, PTFE, PTFE / HDPE.

Three techniques "Loop injection", "Through-pump-injection" with manual control via the keyboard and "Through-pump-injection" for a programmable volume

Manual and programmed gradient

A flow rate gradient or elution gradient (two, three or four eluents) can be programmed and modified in manual mode at any time during the elution as well as in automatic program.

Fraction collector

At any time during manual operation, the fraction collector (8 ports) and associated valves, when installed may be operated via the keyboard.

Automatic programs

Via the keyboard (on the front panel).
 Every parameter can be programmed through data transmission (in direct control or downloading).

Electrical Interface

RS 232 and RS 422 Voltage 230/110V, 50 - 60Hz

RODUCT	REFERENCE	FLOW ml/min	MAX. PRESSURE	COMMENTS
2 head pump	AP-1000-200-2	2 to 1000	200bar	✦ For isocratic mode
3 head pump	AP-1000-200-3	2 to 1000	200bar	✦ For gradient mode
2 head pump	AP-2000-100-2	4 to 2000	100bar	✦ For isocratic mode
3 head pump	AP-2000-100-3	4 to 2000	100bar	✦ For gradient mode
2 head pump	AP-4000-050-2	8 to 2000	050bar	✦ For isocratic mode
3 head pump	AP-4000-050-3	8 to 2000	050bar	✦ For gradient mode
Gradient former 1000 - 2000				
2 Eluents	GF 1000-2000-2	✦ The gradient former is equipped with a plunger to adjust the dynamic mixing chamber volume. ✦ The linearity of the gradient from 0.5% to 99.5% is better than 0.25% for all flow range.		
3 Eluents	GF 1000-2000-3			
4 Eluents	GF 1000-2000-4			
Gradient former 4000				
2 Eluents	GF 4000-2	✦ The gradient former is equipped with a plunger to adjust the dynamic mixing chamber volume. ✦ The linearity of the gradient from 0.5% to 99.5% is better than 0.25% for all flow range.		
3 Eluents	GF 4000-3			
4 Eluents	GF 4000-4			
Inject through pump	INJ-1000 to 4000	✦ Installed on accessories unit ACC 250-500 with GF 250-500 ✦ Injected volume from 1ml up to 9999ml by step of 1ml. ✦ Installed on accessories unit ACC 100 without GF 250-500		
Inject through pump	INJ-S-1000 to 4000			