





Analytical Technologies UF(Ultra Fast) Series Flash Chromatography Systems

are a rapid form of preparative column chromatography, featured in rapid separation, is especially useful in separation and purification of large scale of complex organic intermixture, combinatorial chemistry, drug discovery and natural product research and development. System control: PLC, touch screen and controlled by Windows based software.

> Analytical Technologies Limited www.analyticalgroup.net

Items	Specification		
Pumps	Valueless, High pricision,long time, maintenance free		
	Static mixer: 5ml; 4.4 inch touch screen/keys		
	Programmable gradients: 2 solvent isocratic, linear and /or step gradient.		
Flow range	5-100ml/min/ 150ml/min/ 250ml/min or custom made also possible		
Flow accuracy	±1%		
Max.Pressure	100psi (7bar)		
Gradient	Step/linear gradient		
Sample Volume	4mg-40g minimum and maximum : Custom design possible		
Sample Loading Methods	Solid or liquid		
Sample loading by :	4-way valve		
	Fixed wavelength detector (265nm/280nm/310nm/360nm)		
	Variable walvelenght	Walvelenght accuracy: ±2nm	
On line detector	detector(200-450nm)	Absorption range: 0-2AU	
	CCD array detector	2 Variable wavelength Watching	
	Optional : 200-400nm	Wave length accuracy: ±2nm	
		Absorption range: 0-3AU	
	1 tube stand, 13,15,16,18,24mm tube and beaker		
	Rack 1 φ13 tube 10×10		
Fraction collector	Rack 2 φ15 tube 10×10		
	Rack 3 φ16 tube 10×10		
	Rack 4 φ18 tube 7×7		
Devereunnly	Rack 5 φ24 tube 6×6		
Power supply	220VAC/110VAC		
Working temperature	15-40°C		

FEATURES:

1.High output

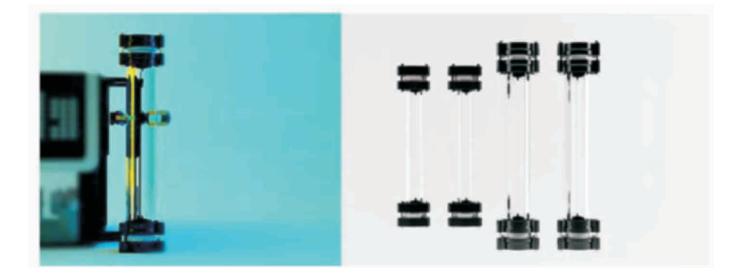
Expandable cartridge selection, easy to purify milligrams of final compound or tens of grams of intermediate; Fraction collector carry capacity: 504 tubes of 13×100mm (9ml).

2. Rapid purification

Total purification in less than 30 min

3. High quality Flash column

Standard luer connector, compatible with most Flash columns. Any make of the Cartridges , Columns and media (Packing material) can be installed into our system. Few of our designs and sizes are shown below :



Packing Material

Serial No.	Name	particle size	Remarks		
1	ODS-SP	40-60um	For strong polarity compounds		
2	ODS-E	40-60um	For low & mid basic compounds		
3	ODS-AQ	40-60um	For hydrophilicity compounds		
4	C18 MB100-40/75um	40-75um	For normal compouds		
5	C18 SMB 100-20/45um	20-45um	For normal compouds		

Columns

Customized sizes and designs are possible

	1
Name	
DN25*250 glass	
column	
DN25*400 glass	
column	
DN40*250 glass	
column	
DN40*400 glass	
column	
DN50*500 glass	
column	
	DN25*250 glass column DN25*400 glass column DN40*250 glass column DN40*400 glass column DN50*500 glass

Serial No.	PP columns	Qty. per package
1	S-1101-004	20
2	S-1101-012	18
3	S-1101-025	12
4	S-1101-040	12
5	S-1101-080	10
6	S-1101-120	10
7	S-1101-220	6
8	S-1101-330	5
9	S-1101-800	3
10	S-1101-1600	2

4. Online detection

Variable wavelength (200-360nm), Special flow cell design, short optical length, high sensitivity, low drift and noise

5. Automatic collection

Fraction modes: Peak, Volume, Windows; Customize racks supported

6. User friendly Interface

- Convenient Method modification: Any method modification could down via Touch Screen or software
- Solvent volume real time Display and solvent lack alarming
- Data acquiring and processing via Dr Flash TM software
- Peak Trace: Easy to find peak fraction from the chromatogram



- 7. Precise and reliable solvent delivery pump, Binary pump gradient
 - Patented valveless metering pump, 4 stroke phases design, long life, maintenance free, low pulse
 - Chemical resistant and good resistance to acid and alkali
- 8. Dr Flash TM software

Media for Packing : Packing Material - Weight -Cat. No. Silica (CS)* 12 CS120012-0 Silica (CS)** 20 CS120020-0 Silica (CS) 40 CS120040-0 Silica (CS) 120 CS120120-0 Silica (CM) 12 CM140012-0 Silica (CM) 20 CM140020-0 Silica (CM) 40 CM140040-0 Silica (CM) 120 CM140120-0 SilicaNH2 12 NH140012-0 Silica NH2 20 NH140020-0 Silica NH2 40 NH140040-0 Silica NH2 120 NH140120-0 Silica ODS 12 OD140012-0 Silica ODS 20 OD140020-0 Silica ODS 40 OD140040-0 Silica ODS 120 OD140120-0

Optional Accessories Racks and Accessories :

Type The quanties for Vessels Vessels and max. Capacity Code MP rack For 2 Mirco-plates tube 96/384/1536-well micro plates Code 10 rack For 120 tubes 10 x 65mm(3mL): 10 x 75mm(3.5mL); 10 x 100mm(4mL) Code 12 rack For 85 tubes 12 x 32mm(2mL):12 x 75mm(5mL); Code 13 rack For 85 tubes 13 x 100mm(9mL) Code 13 rack For 56 tubes 15 x 45mm(4mL) Code 16 rack For 56 tubes 16 x 75mm(10mL);16 x100mm(12mL) Code 18 rack For 56 tubes 18 x 100mm(25mL);18 x 150mm(32mL) Code 20 rack For 36 tubes 20 x 180mm(45mL)

Various Accessories used in the Flash Chromatography Systems



>>> Our Other Products and Technologies



Intelligent HPLC / UFLC / UPLC / NanoLC™



UV Spectro 2060 plus



Ion Chromatograph



Raman Spectro



Gas Chromatograph



FTIR



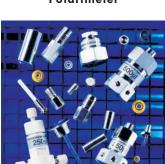
Flash Chromatography

High Speed XRD / XRF



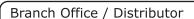
Water Purification System





Services, Spares & Consumables for any make of systems

Analytical Group Companies
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Analytical Technologies Limited
Analytical Bio-Technologies
Analytical Bio-Med
Analytical Instruments Solutions
HPLC Solutions



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