



FLASH CHROMATOGRAPHY

FC 3065



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Items	Specification
Pumps	Valueless , High prcision,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	0.001-100ml/min (custom made)
Flow accuracy	+0.1%
Max.Pressure	100psi - 400psi (28bar approx.)
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)
On line detector	Variable walvelenght detector(200-450nm) Walvelenght accuracy: $\pm 2\text{nm}$ Absorption range: 0-2AU
	CCD array detector Optional : 200-400nm 2 Variable wavelength Watching Wave length accuracy: $\pm 2\text{nm}$ Absorption range: 0-3AU
Fraction collector	Collected test tube Test tube 1rack 10*10
	Max capacity 15*150 mm (18ml/branch) Range of timed collection: 1 sec. to 9999 min. Range of the setting peak Collection : 1-200mv Range of counting drops: 1drops to 9999 drops Function of power down data storage: data will be kept for 10 years. Procedures available: 1-10 modes
Power supply	220VAC/110VAC
Working temperature	15-40°C

►► Features :

1.High output

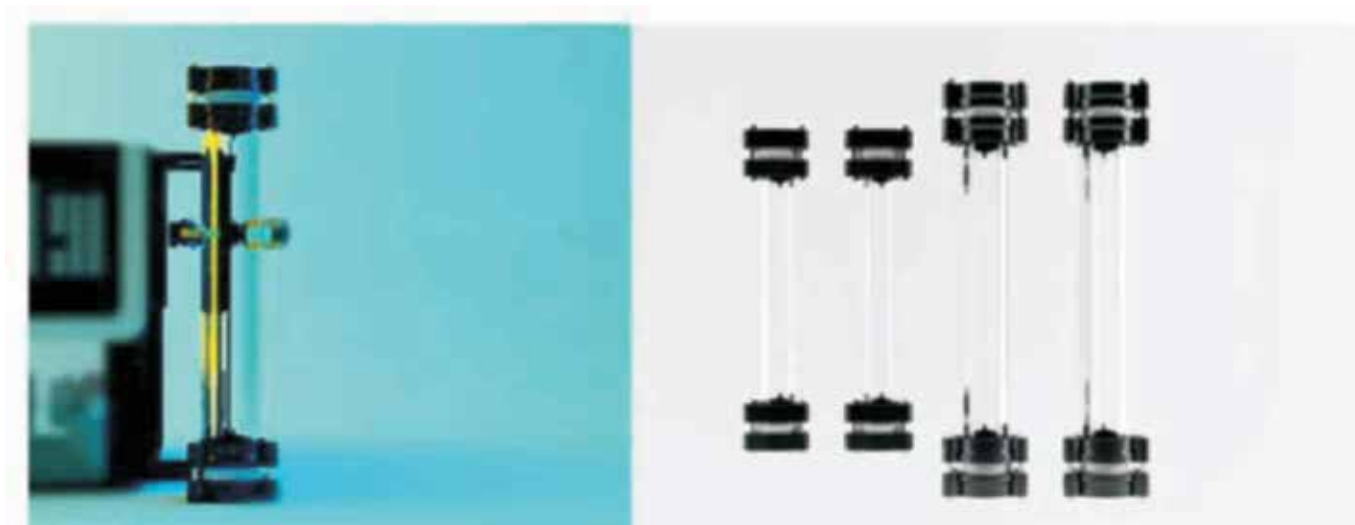
Expandable cartridge selection, easy to purify milligrams of final compound or tens of grams of intermediate; Fraction collector carry capacity: 504 tubes of 13×100mm (9ml).

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 compounds
5	C18 SMB 100-20/45um	20-45um	For normal compounds

Columns

Customized sizes and designs are possible

Serial No.	Name	
1	DN25*250 glass column	
2	DN25*400 glass column	
3	DN40*250 glass column	
4	DN40*400 glass column	
5	DN50*500 glass column	

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

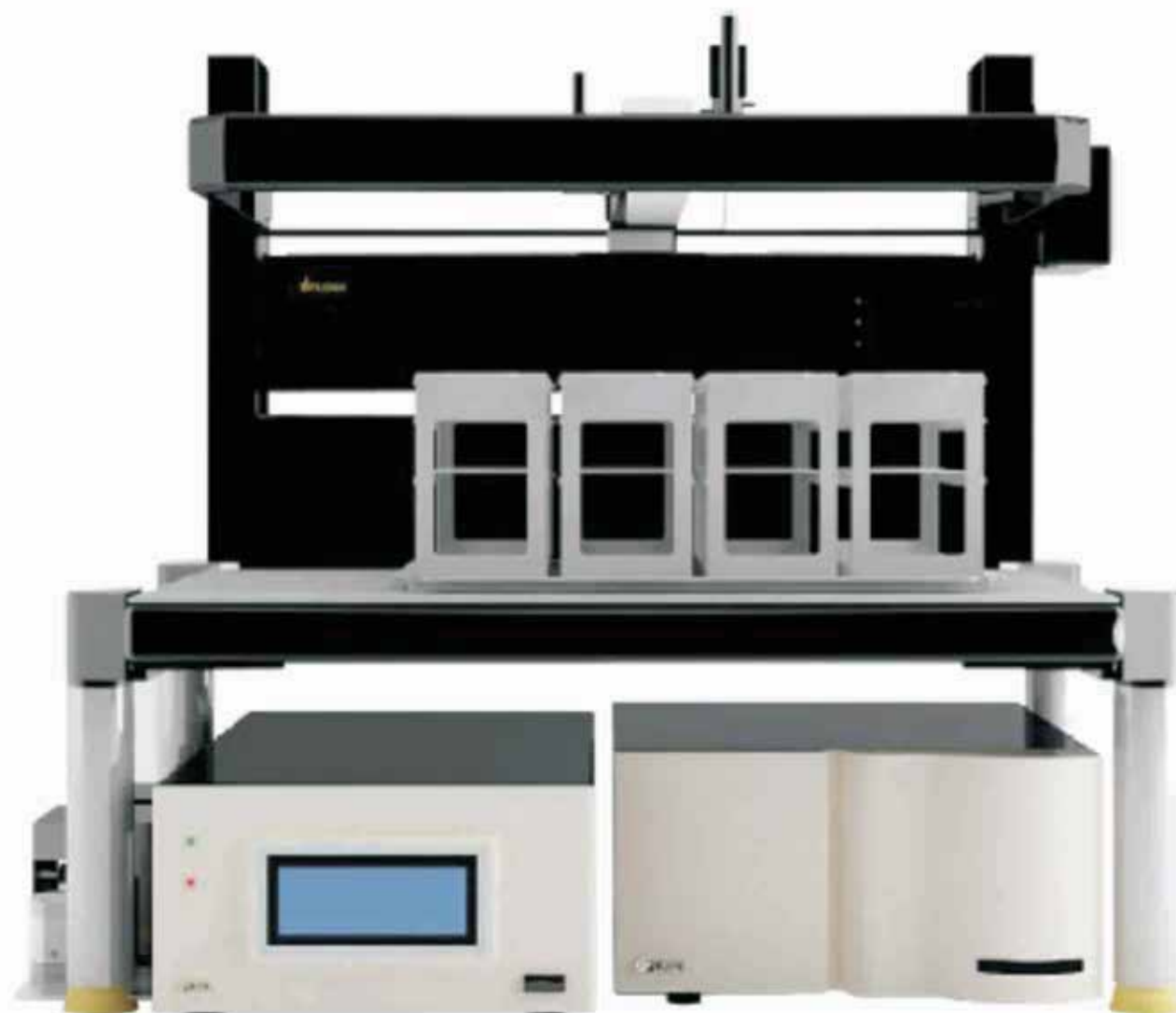
Variable wavelength (200-360nm), Special flow cell design, short optical length, high sensitivity, low drift and noise

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 quantities 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)

Code15 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)

Code 25 rack For 30 tubes 25 x 150mm(45mL);25 x 200mm(60mL)

Various Accessories used in the Flash Chromatography Systems



►►► Our Other Products and Technologies



**Intelligent HPLC /
UFLC / UPLC / NanoLC™**



UV Spectro 2060 plus



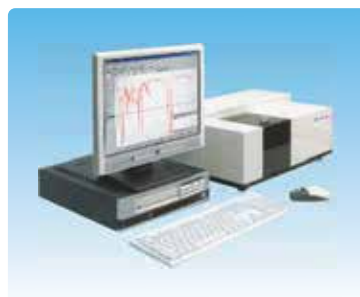
Ion Chromatograph



Raman Spectro



Gas Chromatograph



FTIR



Flash Chromatography



Water Purification System



Polarimeter



High Speed XRD / XRF



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Spectrometer**



**Services, Spares & Consumables
for any make of systems**

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