

FLASH CHROMATOGRAPHY

FC 3065



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

Analytical Technologies Limited

An ISO 9001 Certified Company

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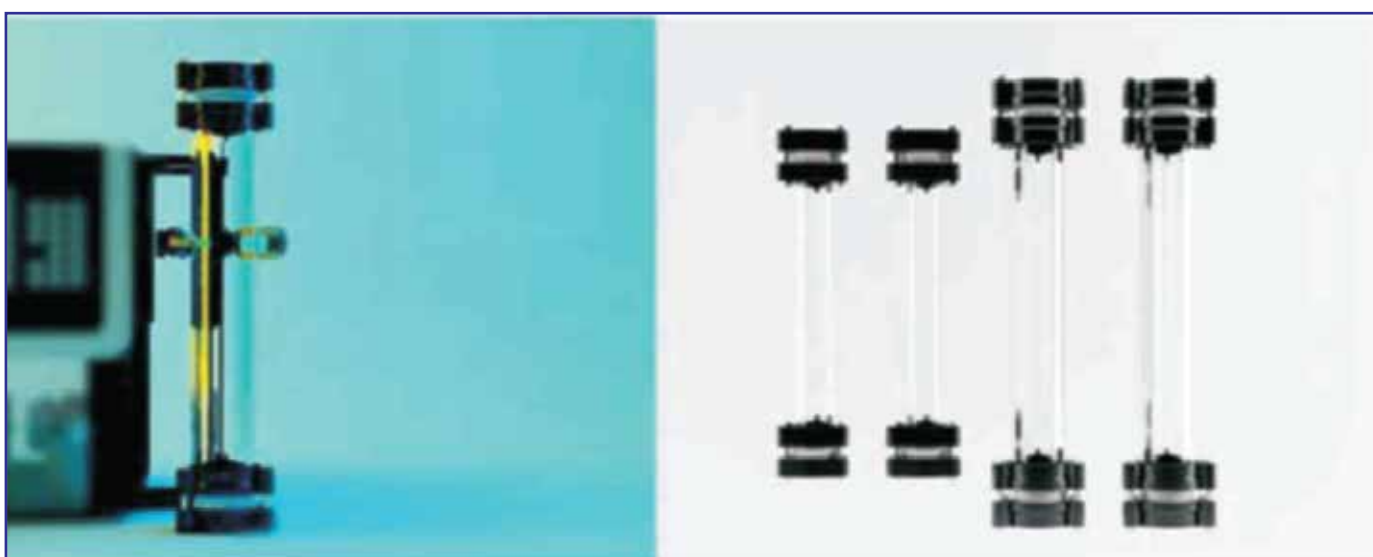
Analytical Technologies UF(Ultra Fast) Series Flash Chromatography Systems are a rapid form of preparative column chromatography, featured in rapid separation, is especially useful in separation and purification of large scale of complex organic intermixture, combinatorial chemistry, drug discovery and natural product research and development. System control: PLC, touch screen and controlled by Windows based software.

► Specifications :

Items	Specification		
Pumps	Valveless, High precision, long life time and 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 Precision	±0.1% RSD.1.000 ml/min		
Typical Pressure	<0.1 MPa or <1.0%		
Flow accuracy	±0.1%		
Max.Pressure	100psi (7bar)		
Gradient	Step/linear gradient		
Gradient Accuracy	±1% step gradient), ±3%(linear gradient)		
Sample Volume	4mg-40 minimum and maximum: Custom design possible		
Sample Loading Methods	Solid or liquid		
Sample Loading by	4-way valve		
On line detector	<table border="1"> <tr> <td> CCD array detector Wavelength range 200-800nm Materials : SS/PEEK (opt) </td> <td> 2 Variable wavelength watching Wave length accuracy: ±1nm Absorption range: 0-3AU Linearity: ≥2.0AU </td> </tr> </table>	CCD array detector Wavelength range 200-800nm Materials : SS/PEEK (opt)	2 Variable wavelength watching Wave length accuracy: ±1nm Absorption range: 0-3AU Linearity: ≥2.0AU
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	Light Source: D2 Lamp, Tungsten Lamp		
	Wavelength Program: Programmable, 10 steps		
	Analog Output: 1x1 V (Optional: 2x2zV)		
Control Features : Internal Peak Detector with +24 V solenoid switching output.			
Power supply: 100-250~V (47-63Hz)			
Fraction collector	Collected test tube Test tube 1 rack 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: 1 drops to 9999 drops Function of power down data storage: data will be kept for 10 years. Procedures available: 1-10 modes		
Power supply	220VA/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 :

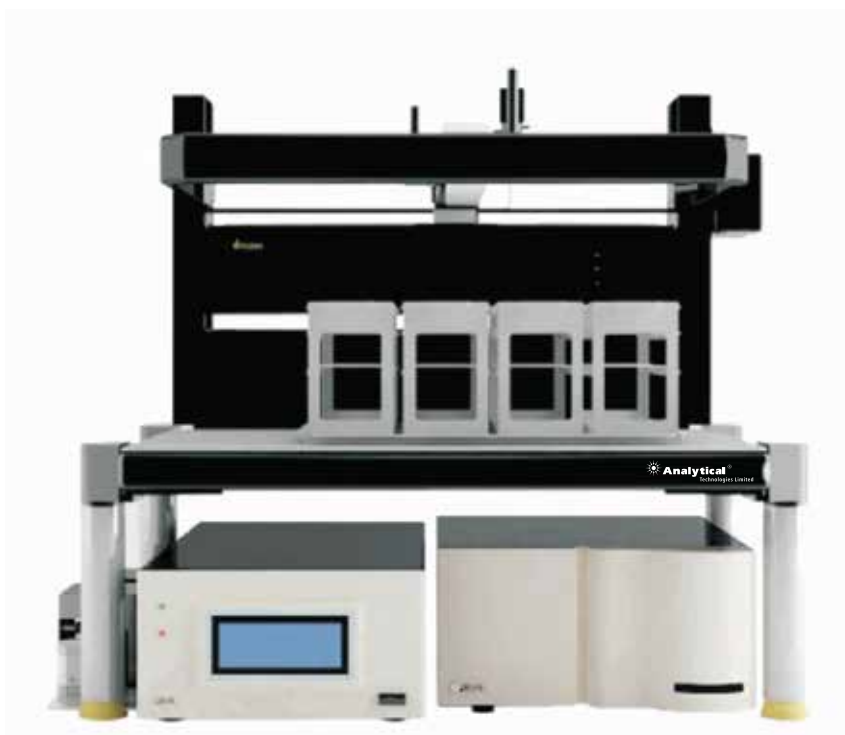


Serial No	Name	Particle	Remarks
1	ODS-SP	40-60um	For strong polarity compounds
2	ODS-E	40-60um	For low& mid basic compounds
3	ODS-AQ	40-60um	For hydrophicity compounds
4	C18 MB 100-40/75um	40-75um	For normal compounds
5	C18 MB 100-20/45um	40-45um	For normal compounds

Columns	Customized sizes and design 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
1	S-1101-004
2	S-1101-012
3	S-1101-025
4	S-1101-040
5	S-1101-080
6	S-1101-120
7	S-1101-220
8	S-1101-330
9	S-1101-800
10	S-1101-1600

- Online detection Variable wavelength (200-360nm), Special flow cell design, short optical length, high sensitivity, low drift and noise
- Automatic collection Fraction modes: Peak, Volume, Windows; Customize racks supported
- 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



- 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
- Dr Flash TM software

▶▶ **Accessories :**

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



▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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