

## FLASH CHROMATOGRAPHY PURIFIER-3004



### » DETAILS

Flash chromatography Purifier 3004 system is specially designed for biological product development and preparation of purification process in lab and pilot. Autodesk with high degree of automation can explore intensive procedure methods. It's Software owns strong functions, and hardware supports variety specifications of columns, multiple solvents and samples. The system is modular, functional, intelligent design, and easy for customers to choose suitable configurations according to their actual needs.

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

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An ISO 9001 Certified Company

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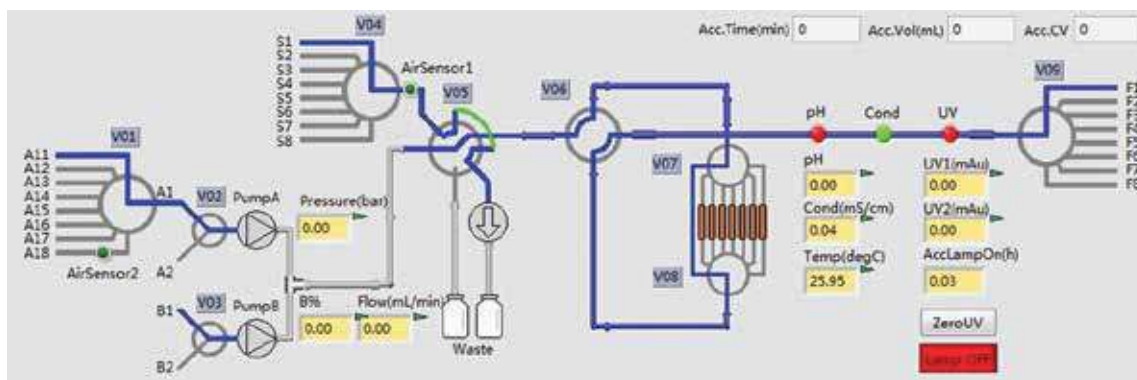
## » FEATURES

- Stack design of pipeline gets the smallest dead volume;
- Customizable, flexible configuration and easy to upgrade;
- The long-distance control can be achieved.
- All valves, piston pumps and detectors utilize modular approach. Only the corresponding modules need to be disassembled as maintenance or replacement;
- Control software is autonomous development, complied with GMP specification. Data and log can be record in real-time and traced back, cannot be modified;
- The materials comply with USP Class VI. Since stainless steel shell, protection grade is IP65;
- Complete FAT, DQ/IQ/OQ verifications.
- 100mL/min Piston pump \*2
- Inlet valve
- Buffer prep valve, up to 11
- Sample valve, up to 8
- Sample pump
- Column selection valve, up to 8
- Flow direction switch valve
- Outlet valve, up to 8
- UV detector
- pH/cond detector after column
- pH/cond detector before column (Optional)
- Fraction collector (Optional)
- Chromatography control software (similar with Unicorn)

## » SPECIFICATION

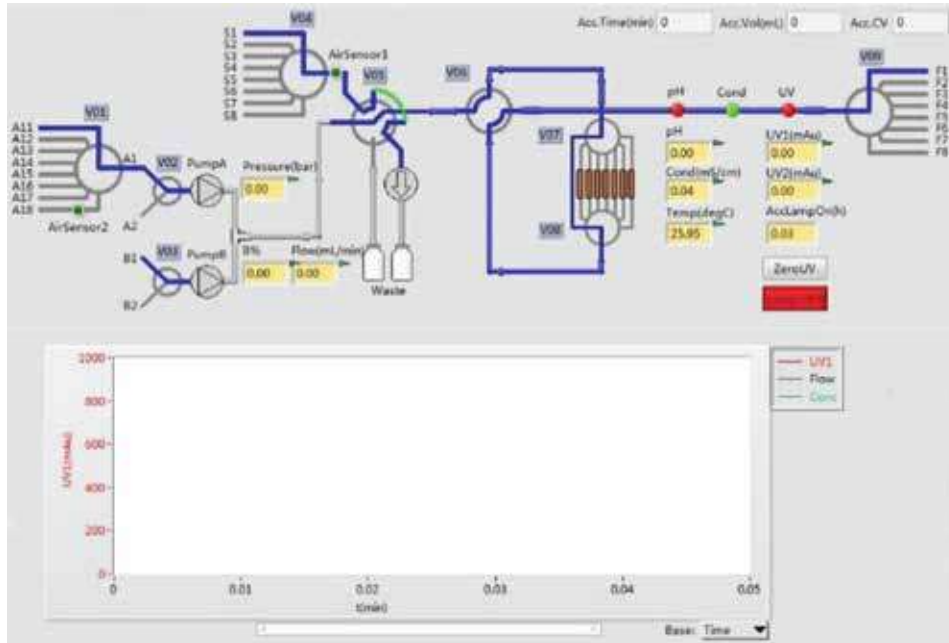
Parameter	Description
Flow rate	Max 100mL/min (400mL/min optional)
Max Pressure	250psi (1500psi optional)
Pipe	1/8" (1/4" optional)
UV	190~400nm, two wave length, (280nm fix wave length optional)
pH	0~14
Conductivity	0~300ms/cm (0~999ms/cm optional)
Buffer inlet	Max 11 (4 optional)
Sample inlet	Max 8 (manual sample injection optional)
Column select	Max 8
Outlet	Max 8
Fraction	50, 100, 96 well (Optional)
Solvent compatibility	all commonly used chromatographic solvents
Method number	Unlimited
Scouting	Enabled
Method queue	Enabled
Electronic signature	FDA 21 CFR Part 11

## » PID

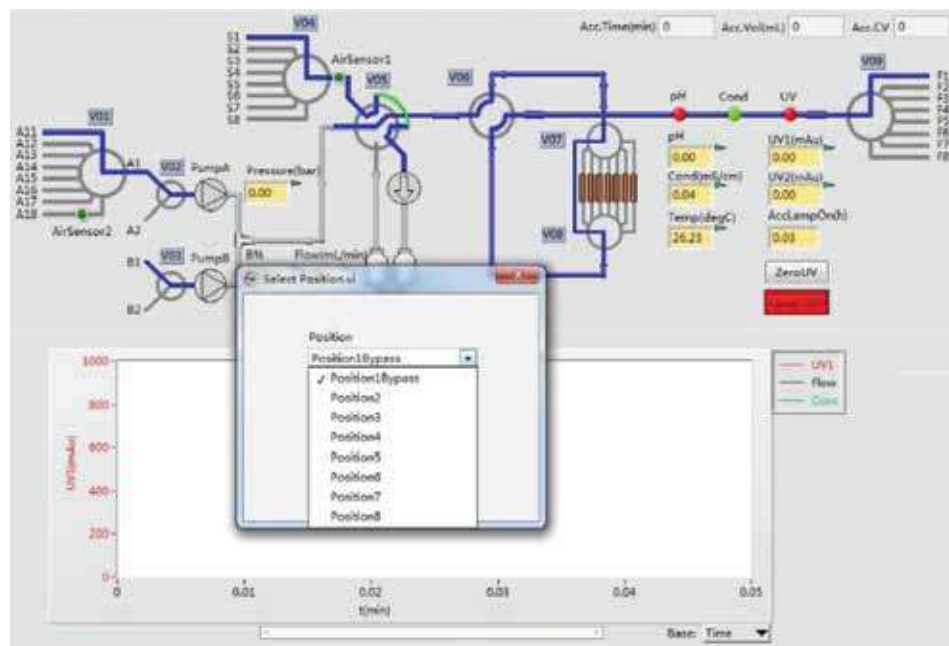


» SOFTWARE

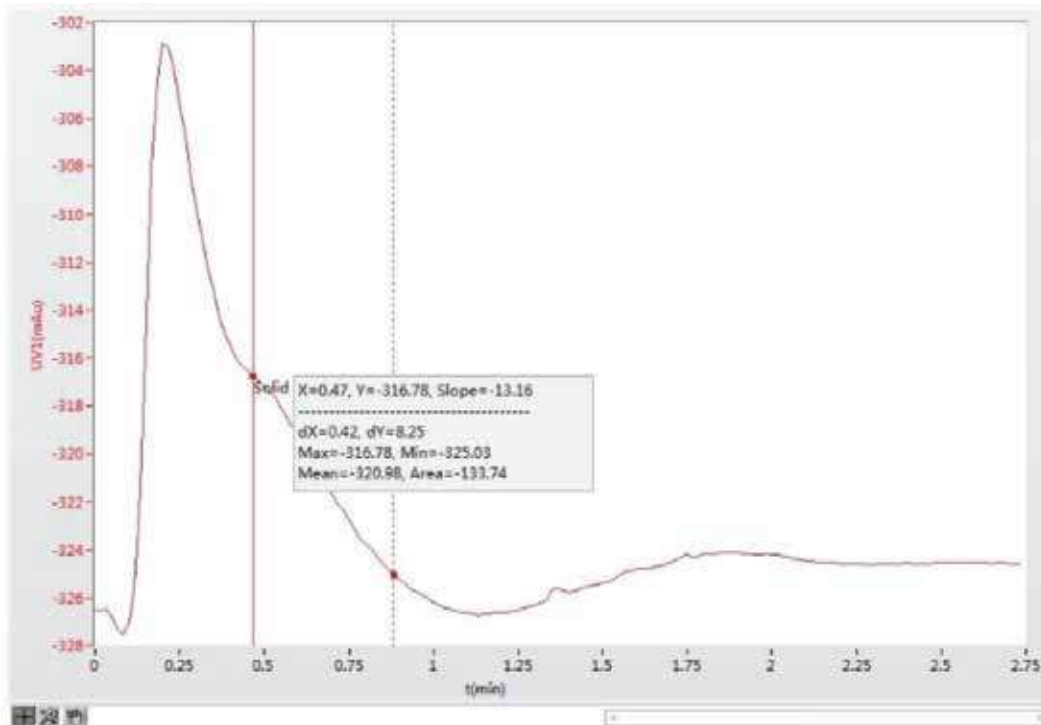
System view



Valve selection



## Data review



## Method editor

D:\AutoPrep\Method\test.Met (Main)

- 0.00 Base Time: 15.71 (ml), 20 (cm)
- 0.00 Flow: 25.00 (ml/min)
- 0.00 Gradient: 100.00 (8%), (1.00)#var\_length (base)
- 0.00 InjectionValve: Load
- 0.00 ColumnPosition: Position1Bypass
- 0.00 OutletValve: WasteF1
- 0.00 BufferValveA1: A11
- 0.00 PumpAInlet: A1
- 0.00 PumpBInlet: B1
- 0.00 SampleValve: S1
- 0.00 FlowDirection: Downflow
- 1.00 BufferValveA1: A18
- 2.00 Watch: UV1, Stable\_Baseline, 1.50 (Minutes), INJECTION.

(INJECTION)

- 0.00 Base SameAsMain
- 0.00 InjectionValve: Inject
- 0.00 Set\_Mark: watchOK
- 0.00 End\_Block
- 2.00 Set\_Mark: injection
- 2.00 Message: injection
- 6.00 Set\_Mark: (over)#over\_mark

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Instructions

- Pump
- Flowpath
- Alarm&Mon
- Frac
- Watch
- Other

Hold Until

- Watch
- Watch\_Off
- WatchPara

Parameters

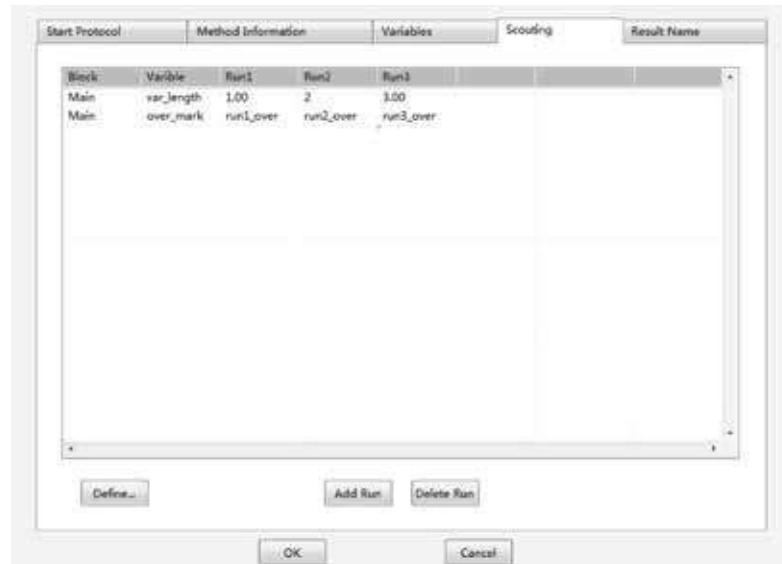
Signal: UV1

Test: Greater Than

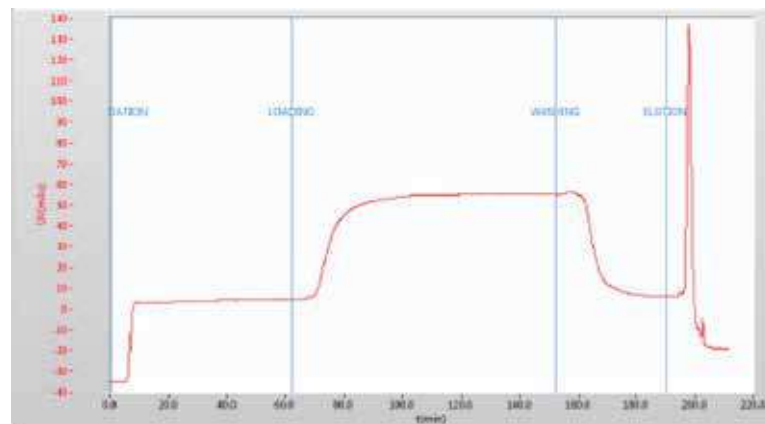
- Greater\_Than
- Less\_Than
- Slope\_Greater\_than
- Slope\_Less\_Than
- Stable\_Baseline

Var...

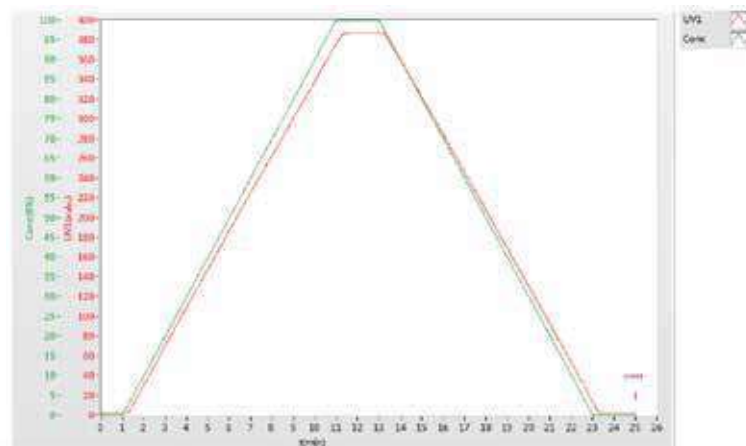
## Scouting



## Running mark



## Running mark



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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## Our Products & Technologies



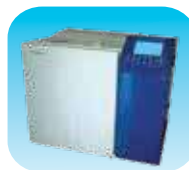
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Double Beam



Infra FTIR



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3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
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Liquid Partical  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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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](mailto: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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