

# Ultra pure water for biochemical analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

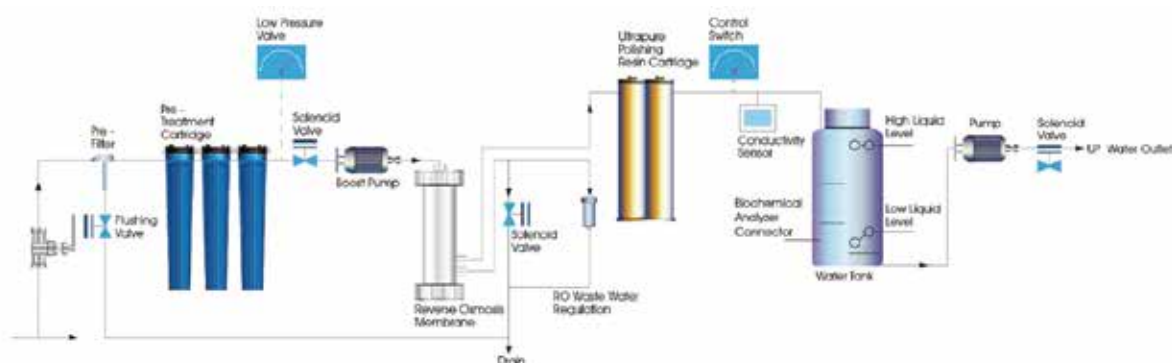
## Features and Advantages :

- This series is the sole leading brand of Good Instrument in lab water area. Especially working with Biochemical analyzer
- It is the most representative products in lab water market.
- RO water, deionized water, or ultrapure water respectively.
- Cartridges replacing alarm function, based on time and water quality, show cartridges' used and residual life.
- Multiple alarm function: no feed water, full water, water quality' s standard exceeding, and cartridge life ending.
- Auto self-flushing of RO membrane function, extend RO membrane 's life.
- System sanitizing procedure, achieve the disinfection of ultrapure water' s tube and valve.
- External water tanks is optional to meet different need and assure ample water-supply.
- Whole plastic shell with high-strength, avoid rusting and keep clean, to meet GLP standard.
- 2 door and easy-to-replacing cartridge design, convenient to maintain system and replace cartridges.
- Tube and adapter with NSF authorization and top quality, reduce TOC level and assure ultrapure water' s quality.
- Optimized pretreatment (including PP fiber, KDF and active carbon cartridge), effectively protect RO membrane.
- High quality RO module membrane, ensure long life, stable operation and high desalinization rate.
- DOW's top polishing resin, ensure ultrapure water s quality up to 18.2 M Q.cm, with the lowest TOC level.
- WPS is uses for Pathology Labs, biochemistry analyser & Hospitals.



## Application :

- HPLC
- AES(Atomic Emission Spectrometry)
- AAS(Atomic Absorption Spectrophotometry) Buffer and media preparation
- Electrophysiology
- Mammalian and bacterial cell culture
- Plant tissue culture
- Qualitative analysis
- Animal watering
- Aquariums
- Autoclave feed
- Glassware Washing/rinsing
- Qualitative analyses Ultra trace analysis Western blotting
- biochemical analysis of chemical reagents;
- buffer conventional physical and chemical detection;
- Washing machines
- biochemical analyzer



## Specification :

Optional capacity( L/H)		40L/H, 60L/H, 80L/H, 100L/H, 120L/H, 150L/H, 200L/H
Feed water requirements		Tap water, TDS<200ppm,temperature: 10-30°C,pressure:2.0-4.0Kg
Flow rate		1.4-2L/min(40L),1.8-2.8L/min(60-150L),2.5-3.5L/min(200L)
DI water quality	Conductivity	<0.1-1s/cm
	Pollutant removal rate	99%
	Evaporation residue	<1/ml
Ultrapure water quality	Resistivity(25°C)	18.25MΩ.cm
	Conductivity(25°C)	< 0.05-1uS/cm
	Particle(0.2um)	<1/ml
	Heavy metal ion	<0.1ppb
	TOC Level***	<20 ppb
	Dimension and weight	Length x Width x Height:510x380 x 570mm, 35-40Kg
	Power(W)	50W-100W
	Standard configuration	Main body (Including 1 set of cartridge)+pressure tank

## Consumables :

### Comprehensive monitoring system

- LCD display
- 1 or 2 water quality sensor.



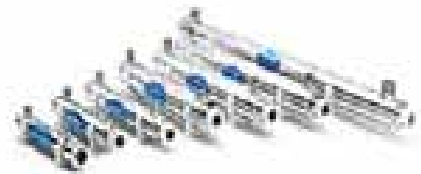
### Ultra-Purification Cartridge

- Adoption of high quality nuclear grade resin, US DOW and Rohm Haas
- Polishing cartridge removes ionic and organic contaminants below trace levels



### High-Strength UV lamp

- Dual wavelength UV lamp 185\*254nm ensures organic molecule oxidation and bacteria destruction
- Held in a robust and corrosion-resistant stainless steel housing



### Terminal Filter

- 0.22um membrane filter farthest eliminates contaminants that might interfere with specific application at dispensing point, applicable for HPLC, GC etc.



## 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.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufaturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



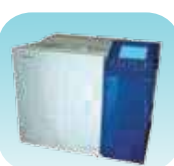
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Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



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2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Partical  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



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Hematology  
Analyzer



Micro Plate  
Reader/Washer



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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:



**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](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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