

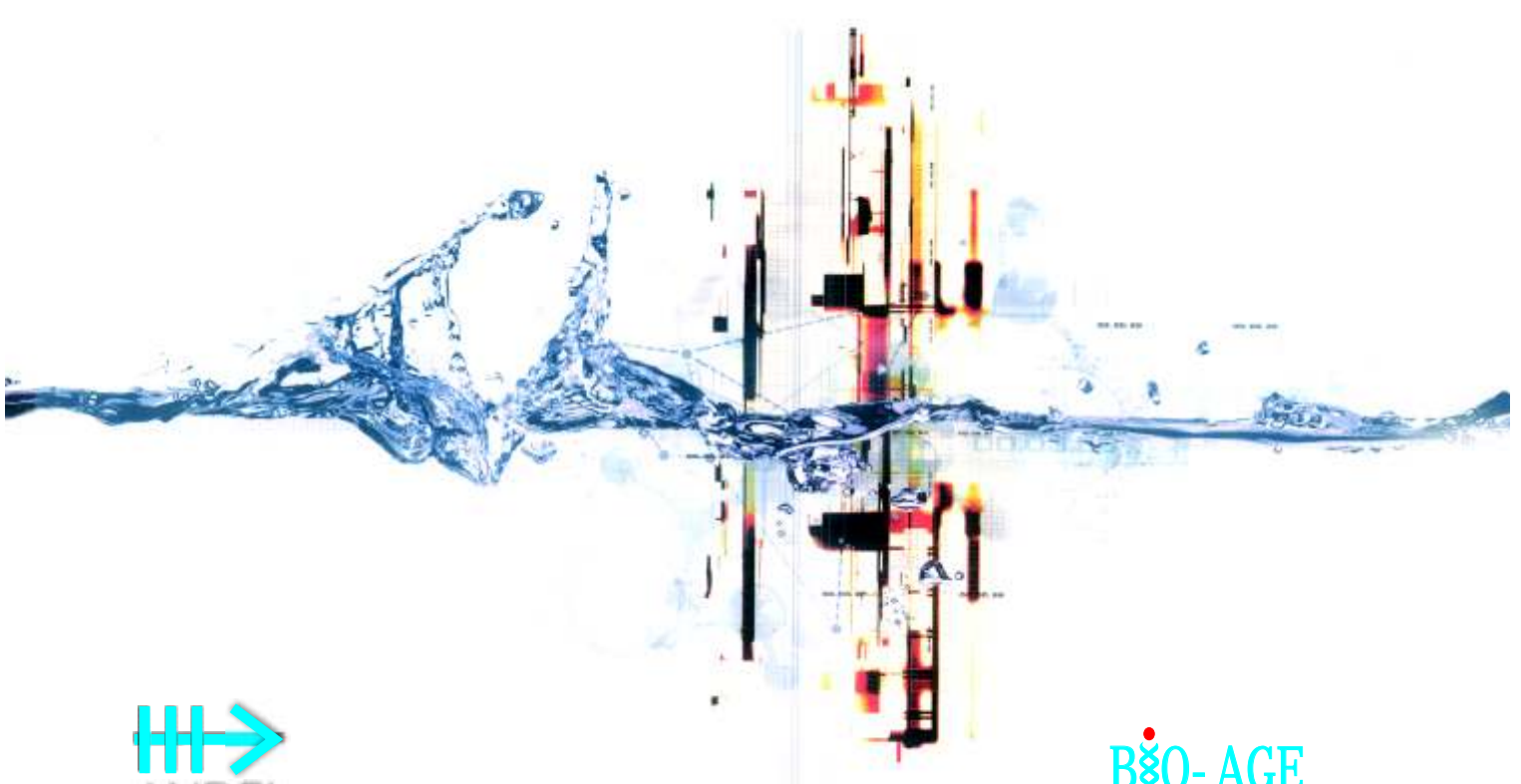


Lab PURE Series

Ultra Pure Water At the Cost of Distilled Water??

Yes it is possible now to have a Water Purification System which can meet your above expectations of most economic way of getting ultra pure water for your daily requirements from few liters to hundred of liters a day in any laboratory.

Lab PURE Series water purification combines Reverse Osmosis with Ultra-polish Cartridge of high grade for producing Ultra Pure Water quality which meets ASTM/CAP/NCCLS specifications and still costs less than the cost of single distilled water.



Prefill Module



Analytica

Lab PURE Series

Water Purification System

The USP of Analytica

- * Three stage pre-filtration setup to robust enough to protect and enhance the life of main system cartridges.
- * Low initial investment on buying the system.
- * Most economical i.e. Cost of per liter water produced to as compared to any glass distillation or water purification systems in the market.



Products Specifications LAB MODELS

Parameters	Analytica - 4	Analytica - 6	Analytica -10/15/25/50
Product Output Flow	4 Liters/hr	6 Liters/hr	10/15/25/50 Liters/hr
Product Water Resistivity	10-15Mohm/cm	10 -15 Mohm/cm	10-15 Mohm/cm
Conductivity	0.1-0.06μS/cm	0.1 - 0.06μS/cm	0.1 - 0.06μS/cm
Temperature			
Compensation	0-100°C	0 - 100°C	0 - 100°C
Cell Constant (K)			
SS 316L (co-axial)	0.01	0.01	0.01
Ionic Rejection	> 95%	> 95%	> 95%
Silicate Rejection	> 99%	> 99%	> 99%
Bacterial Count	< 1cfu/ml	< 1cfu/ml	< 1cfu/ml
On line UV absorbance	254nm	254nm	254nm
TOC	< 20 ppb*	< 20ppb*	< 20ppb*

Water producing type II/III Grade water and suitable for media preparation/Buffer/washing/ laboratory and analytical grade applications.

Product Recovery:- > 15%.

Auto Flushing:-At the time system is switched on it goes for flushing mode to drain out all the contamination grown inside the stagnant water in cartridges/ membranes.

Flushing Time:- 10 minutes and can be repeated or cancelled by pressing escape mode button.

Cleaning of R.O. Membrane :- Manual by flushing mode.

Safety Functions :- Low pressure/ High Pressure protection to R.O. Module by switching off the supply to R.O. Pump.

Tank Full :- Auto switch off system. System starts automatically if tank not full. System incorporates low noise booster pump to avoid in line pressure loss.

Automatic Recirculation loop at stand by position to maintain the water quality & cartridges life in good condition.

Recirculation loop time :- Each one hour repeatedly.

Optional Accessories :-

- RS 232C output facility.
- Software for DAS in a PC for one year data storage or printout.
- Feed water conductivity monitoring.
- End point filter 0.22 micron PES with filling bell.
- Dual wave length on line UV 254nm & 185nm.

Feed Water Requirement for Analytica Models :-

Conductivity upto 1000 μSiemens/cm

Chlorine in feed :- < 5ppb

Feed Temperature :- < 50°C

Feed Co₂ :- < 5ppm

Any increase of above in feed water quality directly effects the final product quality of Analytica water.

* Feed Water TOC :- Less Than 1ppm

Standard Accessories (Unless & otherwise not asked for) :-

- Prefill-III one set of cartridges for R.O. Module.
- Analytica Ultrapolishing Pack One Set.
- Storage Tank 10-50 Liters Polycarbonate/PP/HDPE
- With 0.22 micron vent filter & high/low level sensors.
- Power cord.
- Instructions manual.

Other Specifications for all Analytica Models

Display : Two lines sixteen characters Backlit

LCD Digital Display.

Controller : Microprocessor based micro controller with feather touch technology.

Power Supply :- 230V ± 10%, 50HZ, AC

Power Consumption : 60Watt/Hour.

Weight (Approx) : 20 Kgs

Dimensions : (W) 400mm, (H) 540mm, (D) 480mm

Systems are also available without tank and online UV system in it.



Ultra Plus

Lab PURE Series

Water Purification System

The USP of UltraPlus

- * Lowest Initial investment towards the cost of the system.
- * Most economical ultra pure water cost/liter as compared to any water purification system available in the market in this category.



Products Specifications LAB MODELS

Usage/Applications	Parameters	Ultra Plus UV	Ultra Plus UF
Type I grade water	Resistivity	Upto 18.2 Mohm/cm at 25° C	Upto 18.2 Mohm/cm at 25° C
	Conductivity	Upto 0.05 µS/cm	Upto 0.05 µS/cm
	Online UV absorbance	254nm	254nm
	UF Membrane (NMWL)	-----	10000NMWL
	Particulates(> 0.22 µ/ml)	< 1	< 1
	TOC (ppb)	< 10 ppb	< 5 ppb
	Bacteria cfu/ml	< 1	< 1
	Endotoxins	< 0.03	< 0.03
	End Point Filter with	0.22 micron (260 cm ²)	0.22 micron (260cm ²)
	Product flow Rate	1-1.5 L/Min	1-1.5 L/Min
Analytical Instruments		Yes	Yes
AAS/ICP/MS/IC		Yes	Yes
HPLC/GC/TOC		Yes	Yes
Organic Analysis		Yes	Yes
Cell & Tissue Culture		No	Yes
In Vitro fertilization		No	Yes
Electro Phoresis/PCR		No	Yes
DNA Sequencing		No	Yes
Molecular Biology		No	Yes

Elemental Analysis Data(ppb):

Fe	Cu	Al	Ni	Zn	Cr	Na
< 0.005ppb	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
K	Cl	NO	NO	SO		
< 0.005	< 0.005	0.005	< 0.005	0.005		

Feed Water Requirement :-

Conductivity upto 20 µ Siemens/cm
 Temperature :- 0-50° C
 Co2 Level :- < 5ppm

Standard Accessories :-

- (1) One set of Ultra Polishing Cartridges Ultra Plus.
- (2) One UV 254nm.
- (3) One EPF 0.22µ PES with filling bell 260cm² area .
- (4) Power Cord.
- (5) Instructions manual.

Optional Accessories :-

- (1) RS232 C output with one year storage.
- (2) Software - DAS one No.
- (3) Dual wavelength UV with 254nm & 185nm.

Dimensions :- 540mm(H), 400mm(W),480mm(D).

Weight (Approx) : 20 Kgs

Power Supply :- 230V ± 10%, 50HZ, AC, 60watt/Hour.



Lab PURE Series

Water Purification System

The USP of Direct Ultra / Clinica

- * High recovery upto 25% of water with Double R.O. Pass.
- * Most economical Ultrapure/Clinical grade water cost per liter as compared to other systems available in the market.
- * Ultra Pure Water directly from tap water through a three stage pre filtration setup.
- * Ideal for small users of ultra pure/clinical grade water i.e. 50-100 Liters/Day requirement.

Direct Ultra / Clinica

Products Specifications LAB MODELS

Parameters	DirectUltra	Clinica
Resistivity	Upto 18.2 Mohm/cm at 25°C	0.1-1 Mohm/cm at 25°C
Conductivity	Upto 0.05 µS/cm	1-10 µS/cm
Online UV absorbance	254nm	-----
UF Membrane (NMWL)	10000NMWL	-----
Particulates(> 0.22 µ/ml)	< 1	-----
TOC (ppb)	< 10 ppb	< 100 ppb
Bacteria cfu/ml	< 1	-----
Endotoxins	< 0.03	-----
End Point Filter	0.22 micron (260 cm ²)	-----
Product flow Rate	up to1 L/Min	4-5Liters/Hour
Product Quality	Type I Reagent Grade	Type-III/II

Applications/Uses:

DirectUltra: All Reagent Grade Water applications like Media/Buffer preparations, Molecular Biology, Analytical like HPLC/GC/IC/AAS and LCMS.

Clinica: Media/Buffer preparations, Chemistry/Clinical analyzer and general Laboratory applications.

Feed Water Requirement :-

Conductivity :- up to 1000 µ Siemens/cm , Co2 < 5ppm

Temperature :- 0-50°C

Standard Accessories(DirectUltra) :-

- (1) One set of Ultra Polishing Cartridges Ultra Plus.
- (2) One UV 254nm.
- (3) One EPF 0.22µ PES with filling bell 260cm² area .
- (4) Power Cord.
- (5) Instructions manual.

Weight (Approx) : 20 Kgs

Dimensions :- 540mm(H), 400mm(W),480mm(D).

Power Supply :- 230V ± 10%, 50HZ, AC, 60watt/Hour.



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Note: The above specifications are subject to change due to continuous developments without any prior notice