

WPS Ultra type

2 stage RO system
ultra pure water system



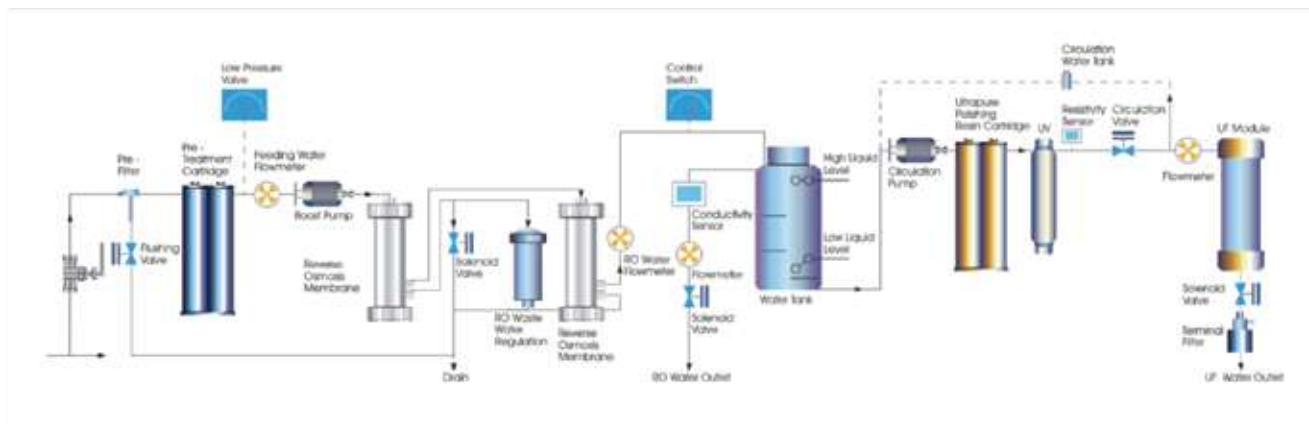
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Analytical Technologies Limited

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►► flow Schematic:



►► Specifications:

Model	ATL-I-10L	ATL-II-10L	ATL-III-10L	ATL-IV-10L
Output(25°C)*	10 liters/hour			
Flow rate	Up to 1.8 liters/minute(with pressure tank)			
Feed water requirements	Tap water, temperature:5-45°C, pressure:1.0-4.0Kgf/cm2			
RO water quality				
Conductivity - 1st stage RO water	Feed water conductivity×2%			
Conductivity - 2st stage RO water	1-5µs/cm			
Ion rejection rate	>99%, (new RO membrane)			
Organic rejection rate	>99%, when MW>200 Dalton			
Particles and bacteria rejection rate	>99%			
Ultrapure water quality				
Resistivity(25°C)	18.2MΩ.cm			
Bacteria	< 1cfu/ml	< 1cfu/ml	< 0.1cfu/m	< 0.1cfu/ml
Particle(>0.1µm)	< 1 pc/ml	< 1 pc/ml	< 1 pc/ml	< 1 pc/ml
Heavy metal ion	< 0.1 ppb	< 0.1 ppb	< 0.1 ppb	< 0.1 ppb
Endotoxin(Pyrogens)	N/A	N/A	N/A	≤ 0.001EU/ml
TOC Level***	< 10 ppb	< 10 ppb	< 3 ppb	< 3 ppb
Dimension and weight	Length x Width x Height:530x400x590mm, 40Kg			
Electrical requirements	AC110-240V, 50/60Hz			
Terminal disinfection filter	N/A	Yes	Yes	Yes
UV lamp	N/A	N/A	Yes	Yes
UF	N/A	N/A	N/A	Yes
Standard configuration	Main body (Including 1 set of cartridge)+10 liters pressure tank			
Can be selected flow rate (L/H)	10L/H, 20L/H, 40L/H			

►► Features and Advantages:

- LCD controlling system, intuitively display the system running state and various parameters.
- 2 way online water quality sensor, RO water, deionized water, or ultrapure water respectively and warn once water quality's standard exceeding
- 2 way flow sensor, achieve quantified dispensing of RO water, deionized water, or ultrapure water.
- System sanitizing procedure, achieve the disinfection of ultrapure water's tube and valve.
- System circulation function, achieve ultrapure water's circulation to keep top quality of ultrapure water.
- All Cartridges replacing alarm function, based on time, or 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 (interval and continuous time setting), extend RO membrane's life.
- Auto running data storing function with built - in SD card and data can be exported through the USB interface.
- Comprehensive Information query and management function, water quality, cartridges usage and alarm information.
- System time setting (year/month/day/hour/minute), timing standby (0-60 minute), and timing shutdown (0-24 hour) function.
- Level II password, protect all the parameters setting, and prohibit any unauthorized setting change.
- 2 kind of pure water tank (sterile water tank and pressure tank). Also external tanks is optional.
- Whole plastic shell with high- strength, avoid rusting and keep clean, to meet GLP standard.
- 2 door and easy-to-replaceing 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 quaiity.
- RO module with DOW's membrane, ensure long life, stable operation and high desalinization rate.
- DOW's top polishing resin, ensure ultrapure water's quality up to 18.2MΩ .cm, with the lowesr TOC level.
- Double wavelength (185&254nm) Ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
- 5000D ultrafiltration module, effectively eliminate endotoxin, and suitable for precise cell cultivating and IVF.
- Terminal disinfection filter, assure that terminal pure water is absolutely axenic.

►► Typical Scientific Applications:

- ICP-MS (Inductively Coupled Plasma Mass Spectrometry)
- GFAAS (Graphite Furnace Atomic Absorption Spectrophotometry)
- HPLC
- IC (Ion Chromatography)
- ICP-AES (Inductively Coupled Plasma 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
- Feed to ultrapure water system
- Glassware Washing/rinsing
- Mammalian and bacterial cell culture Northern and Southern blotting PCR(Polymerase chain reaction) Plant tissue culture
- Qualitative analyses ultra trace analysis Weatern blotting

Regulatory compliances



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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.

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