



# WAPUR - Automatic Ultra Pure Water

Download Catalogue



COLO a water purification system, to produce ultrapure and clean water, directly from the source of drinking water. The system produces water with a very low TOC content, which meets the requirements of liquid chromatography methods. Water can also be used for some molecular biology applications. Ultrapure water can be used for the most demanding applications, such as inorganic analysis, liquid chromatography, cell culture and molecular biology, while the produced pure water meets the requirements of ISO 3696 and can be used for laboratory cleaning and hygiene, chemical methods or spectrophotometry. with flame.

The water purifier includes:

- 10 liters tank with integrated dosing pump.
- Reverse osmosis module.
- Recirculation system.
- Deionization mode.
- Set for pre-filtration.

Device specifications: (Conductivity at 25°C - 18.2MΩcm (0.055μS/cm); TOC ≤ 2ppb (μg/l) Particle content < 1/ml; Bacteria < 0.01 CFU/ml; Pyrogens (endotoxins) < 0.001 EU/ml; RNase < 0.004ng/ml; DNase < 0.024 pg/μl; Flow up to 2l/min)

Features:

- \* sterilizer and reduce TOC, expand the usage range.
- \* UF type with UF filter, Eliminate the endotoxin efficient
- \* Other features same as Automatic RO/DI water purifier.



## LCD Screen - display data

Water quality, System state information, the remaining life of the pre-filter, deionization performance of the module...



## Cartridges and filters are easily accessible – no need tools to replace them



## The system can be installed on laboratory table or can be mounted on the wall



## WAPUR with dual UV lamp 185 and 254 nm



## UF type with UF filter, Eliminate the endotoxin efficient

Type	WAPUR645	WPUR745	WAPUR845	WAPUR945
Category type	Basic	Eliminate endotoxin UF	Low TOC UV	Synthesizing UVF
Purifying Procedure	PF+AC+RO+AC+DI+TF	PF+AC+RO+AC+ DI+UF+TF	PF+AC+RO+AC+ UV+DI+TF	PF+AC+RO+AC+ UV+DI+UF+TF
Water Output Type	RO and ultra pure water			
Water Output Speed L/H	46/63/94/125			
Water Supply Requirement	Tap water: TDS<200 ppm, 5~45°C, 1.0-4.0Kgf/cm <sup>2</sup> (if TDS>200ppm, extra pretreatment filter is recommended)			
Pre-treatment Unit	20" PP filter* 1,20" granular active carbon filter* 1 , 20" active carbon block filter*1 Conductivity - less than 100 μS/cm; TOC - less than 50 ppb; Supply pressure max. 6 bars; Temperature 5-35 C			
RO unit	300 GPD RO membrane*1 (for 45L) 400 GPD RO membrane*1 (for 63L) 600 GPD RO membrane*1 (for 94L) 400 GPD RO membrane*2 (for 125L)			
Subsequent unit	12L ultra-purified column *1 0.2pm imported PES terminal filter* 1 Ultra Purification Column*2  UF ultrafiltration module (WAPU6 and WAPU9) Dual wavelength (185nm&254nm) UV lamp (WAPU8 and WAPU9 )			
Ultrapure water quality				
Resistivity(25°C)	18.2MΩ.cm			
Heavy Metal Ion	< 0.01 CFU/ml			
Bacteria	<0.01cfu/ml			
Particle content	<1/ml			
Ion Rejection Rate	97%~99% (New RO membrane)			
Organic Rejection Rate	>99%, when MW>200 Dalton			
Particles And Bacteria content	>99%			
TOC	<10ppb (μg/l)		<2ppb (μg/l)	
Pyrogen (Endotoxin)	N/A	<0.001 Eu/ml	N/A	<0.001 Eu/ml
RNases	N/A	< 0.004ng/ml	N/A	< 0.004ng/ml
DNases	N/A	< 0.024 pg/μl	N/A	< 0.024 pg/μl
Flow Rate	2.0 L/min (when there is water in the water tank)			
Power Supply	AC220V±10%, 50Hz±5%(Standard); AC110V, 60Hz(Optional)			
Standard Configuration	Main body (Include 1 set of purification column), built-in10L tank with pump, accessory pack			
External Size(W*D*H)	External Size(W*D*H)			