

Ultra-pure Water Purifier

CS3-10K

Features

Operation

Menu-type operation, parameters can be set and modified, operating status display and indication light indicate to promptly reflect machine operating status such as high-pressure shutdown, low-pressure alarm, water full shutdown, etc.

Portable test pen

Equipped with a portable test pen, which can test TDS content, conductance and water temperature anytime, anywhere.

Alarming system

Alarming for water quality exceeding, automatic filters replacement reminding, water intake time can be set. Take water by touched key, Automatic indication light indicate RO and UP water intake.



Built-in 8L pressure barrel

Built-in pressure tank which has inner pouch whose material is anti-bacteria and it is transparent, the inner pouch can be changed anytime.



Display

Backlight LCD display,dual waterway online monitoring, which can simultaneously display RO conductivity value,UP resistance value and equipment operating status indication.

Specifications

Model	CS3-10K
Inlet water source	Urban tap water, water pressure: 0.4-6bar, water temperature 5-40 degrees C 10L/H
Water making speed	1.5-2L/min (with pressure barrel)
Water flow speed	DI pure water and Ultra pure water
2 water outlets	Desalination rate as high as 95-99%, Conductivity ≤0.1μS/cm (TYPE 2)
RO pure water quality	Resistivity 18.25MΩ.cm@25°C, TOC: <3 ppb, particles (>0.22 μm) <0.05/ml,
Ultra pure water quality	microorganism <1 cfu/ml, pyrogen<0.001 EU/ml, RNases≤0.01 ng/ml, DNases≤3Pg/μl (TYPE 1)
Electricity	220V/50Hz; 50-60W
Dimensions(L * W * H)	47*45*55cm
Standard configuration	Machine+Built-in 8L pressure tank+terminal filter+accessories package

Description

Molecular biology, life sciences, genetic research, cell culture, amino acid analysis, protein purification, toxicology research, drug development, medical testing.



Technology advantage

ABS engineering plastic case, powder coating technology, with water quality and quantity upgrading function, door is open at the side.

Type U quick-insert filters, used imported filtering materials.



Effectively removes pyrogen

The pipeline adopts a quick-plug interface, the pipe joint passes NSF certification, dual-wavelength UV lamps, effectively sterilizes and reduces TOC, and the original 5000D ultra filtration module effectively removes pyrogen.

The long-acting device adopts the original imported filter material

It removes residual chlorine, heavy metals, and inhibits the growth of fungi at the front of water purification. It has a long service life, better protects the post-purification system, and extends lifetime of ultra-purification column.



Built-in filter

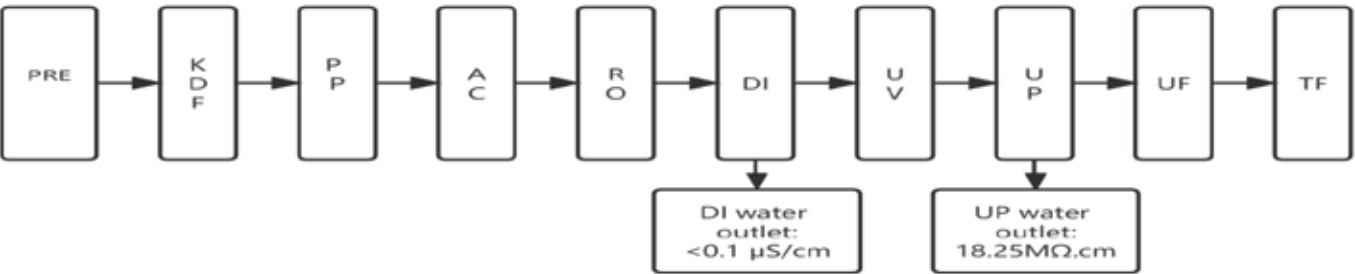
With 10 micron 316L stainless steel precision filter screen to remove fine impurities instead of PP cotton filter; manual drain valve, automatic cleaning at any time, soft scraping design for more thorough drainage, transparent shell make filtration effect visual.

Optional

- With RS-232C communication interface output, it can be connected with intelligent instruments with RS-232C interface to realize the transmission of measurement data or print records
- The original imported 3 meters telescopic water taking gun make water collection convenient.
- Can be equipped with ultra-pure water internal circulation system which keep water quality at the highest level.



Process



Filter function

- Front filter: 10 micron mesh 316 stainless steel washable filter, remove minor impurities,extend PP cotton lifetime.
- KDF filter: Remove residual chlorine,heavy metals, retrain fungi breed, lifetime is very long, can protect post-positive filters.
- PP: PP cotton filter, remove impurities (greater than 5 micron) such as suspended solid, rust, sludge, colloid, etc.
- AC: Granular activated carbon filter: remove color, odor, residual chlorine and heavy metals
- RO: Reverse osmosis membrane: filter out <1 nm pollutants, ions, particles
- UV: UV germicidal lamp: sterilization device, decomposition and photo oxidation OC, lower TOC
- DI : deionized purification column : ion exchange resin bed, H+ and OH- ion removal
- UP: Ultra-purification column: ion exchange resin bed, H+ and OH- ion removal
- UF: Ultra filtration membrane: remove pyrogen,RNase, DNase
- TF: 0.2μm terminal filter, final removal for < 0.2μm bacteria