GOKU
Intelligent Ultra-Pure Water System of the IoT

GOKU ultrapure water system produces Type I ultra-pure water from RO, distilled or deionized water, quality of ultra-pure water meets ASTM, CAP, CLSI, and ISO Type I water standards



Features

Comprehensive Monitor of Water Quality
The system is equipped with various real - time water quality monitors, allowing users to more fully grasp the changes in water quality at each purification stage of the system

Intelligent Chip - management of Cartridges
The filter column adopts intelligent chip management to prevent wrong gear and leakage, making the Cartridges traceable

Diversified Water Intake Operation
One host can support up to 3 water spout with a maximum distance of 6 meters. Each spout can independently support foot pedal mode and quantitative mode of dispensing with adjustable speed

Color Touch Screen for Controlling
The main unit uses 4.3" color touch screen to explicitly show all parameters and standard - reaching infos

Consumables Replacement 100% DIY
Modularized device design allows rapid and simple DIY replacement of consumables, including UV light bulb

Safety Protection
The system has Double Protection Against Leakage and process protection

Complete Port Types
The system is equipped with ETHERNET, USB, RS232 and SD CARD ports

Main Applications

- Preparation of reagent blank solution
- As sample diluents for GC, HPLC, AA, ICP-MS and other analytical techniques
- Water for life science experiments, such as molecular biology reagent preparation, cell culture buffer and culture preparation

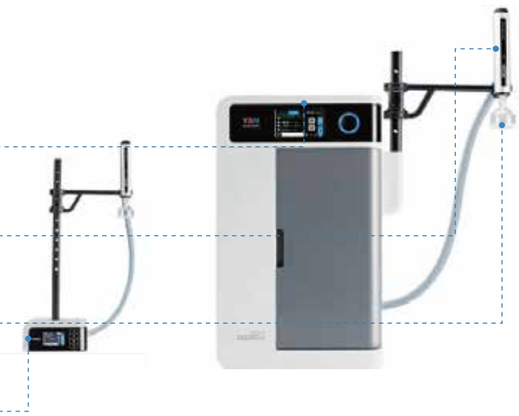
Product Construction

MU
Main unit

HS
Remote water dispenser

EDF
Ending filter

DSP
Dispensing station



Specifications

Feed Water Requirements	TAP water	EDI water, RO water, Distilled water, Deionized waterTOC: <50 ppb
	Feed water Conductivity	<50 us/cm@25°C
	Operating temperature	5-40°C
	Feed water pressure	1-6 bar
Product Water Quality	Ultrapure water Resistivity (@25°C)	≥18.2MΩ·cm@25°C
	Heavy metal ions	<0.01ppb
	TOC	<5ppb[1]
	Bacteria	<0.001cfu/ml[1]
	Particle (>0.2μm)	<1/ml
	Pyrogens (endotoxins)	<0.001Eu/ml[2]
	DNases	<4 pg/ml[2]
	RNases	<1 pg/ml[2]
Specifications	Flow rate	Dropwise-2LPM
	Input voltage/frequency	100 - 240VAC, 50Hz
	Working voltage	DC24V
	Rated power	85W
	Noise	<50dB(1 meter)
Dimensions and Net Weight	Main Unit	W374×D508×H538mm; 24kg
	Dispenser (including the base)	W200×D190×H618mm; 6kg

[1]Typical value [2] Optional EDX (terminal ultra filter)