RODI
New Generation Water Purification System

Using tap water as the feed source, the system stores Type II pure water and produces Type I ultra pure waterthat meets ASTM, CAP, CLSI, and ISO 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

Bag - tank Storage
RODI only needs change of inner water bag rather than cleaning the water storage tank

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 and two stage RO membrane

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

Complete Port Types
The system is equipped with RJ45, USB, RS232 and SD CARD ports

Main Applications

Ultrapure Water

- 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

PT-TANK
Pretreatment-water tank integrated unit

MU
Main unit

HS
Remote water dispenser

EDF
Ending filter

DSP
Dispensing station



Specifications

Feed Water Requirements	TAP water	Municipal tap water
	Operating temperature	5 - 40°C
	Feed water pressure	1 - 6 bar
	Conductivity	<2000μs/cm
	Total hardness (as $CaCO_3$)	<300 ppm
	TOC	<2000 ppb
	Free chlorine	<3 ppm
	PH	4 - 10
	Dissolved CO_2	<30 ppm
	Iron	<0.1 ppm
	Manganese	<0.05 ppm
	NTU	<1
Product Water Quality	Ultrapure water Resistivity(@25°C)	≥18.2MΩ·cm
	Heavy metal ions	<0.01ppb
	TOC	<5ppb[1]
	Bacteria	<0.001cfu/ml
	Particle (<0.2μm)	<1/ml
	Pyrogens (endotoxins)	<0.001Eu/ml[2]
	DNases	<4pg/ml[2]
	RNases	<1pg/ml[2]
Specifications	System Output	20L/H@15°C
	Flow rate	Dropwise - 2LPM
	Storage capacity	40L
	Input voltage/frequency	100 - 240VAC,50Hz
	Working voltage	DC24V
	Rated power	100W
	Noise	<50dB(1 meter)
Dimensions and Net Weight	PT-TANK	W339×D410×H904mm; 15kg
	Main Unit	W374×D508×H538mm; 24kg
	Dispenser (including the base)	W200×D190×H618mm; 6kg

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