



WATER PURIFICATION / WATER PURIFIER - BETA SERIES

APPLICATIONS

- **Laboratory Use** – Provides high-purity and ultrapure water for chemical analysis, biological research, and pharmaceutical testing.
- **Medical and Clinical Applications** – Supplies purified water for diagnostics, instrument cleaning, and sample preparation.
- **Electronics and Semiconductor Industry** – Ensures contaminant-free water for precision manufacturing processes.
- **Food and Beverage Industry** – Produces clean, safe water for quality control, testing, and product formulation.
- **Industrial and Chemical Production** – Delivers consistent water quality for sensitive processes requiring deionized or ultrapure water.
- **Educational and Research Institutions** – Supports experiments and training that demand reliable water purification.
- **Quality Assurance and Compliance** – Meets stringent water purity standards through RO, UV, and UF purification technologies.

FEATURES

Advantages of Beta Series

- Super-large LCD display which displays the running state and various parameters
- Automatic microcomputer controlling system with multi-menu operation and display
- Automatically detects fault and performs diagnostic analysis
- Alarm notifications for water quality, no water in system and consumables ending
- Displays consumables residual life and informs the user to replace consumables
- On-line water quality monitoring systems which monitor the inlet, reverse osmosis (RO) and ultra pure water's
- Built-in system disinfection procedure

- Embedded sterilization program to achieve full pipeline disinfection
 - Unique design of consumables which are easy to replace
 - Built-in 10L water tank and external tank is available
 - RS232 interface records water quality automatically
 - The instrument's exterior consists of high-strength plastic
 - Reverse osmosis membrane of DOW, stable operation and high desalinization rate
 - DOW's nuclear-grade resin ensures ultra-pure water up to 18.2 MΩ-cm
 - Double wavelength (185&254nm) UV lamp to restrain bacteria's increase
 - MWCO 5000D UF module, effectively eliminating endotoxin
 - (0.45+0.2)μm polyether alternative compound filter terminal & disinfection filter
 - Fast-plug pipeline to ensure quick and hygienic environment
 - Pipeline with NSF authorization to assure high quality ultra-pure water
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Advantages of Beta Series - Deionized Water System - Tap Water Inlet

- Urban drinking tap water inlet
- Produce RO and deionized water
- Built-in 20L water tank to save place
- Can add external tank to provide more water yield
- Built-in system disinfection
- Built-in ultra-pure water pipe circulating system
- On-line water quality monitoring
- Timing, qualitative water function
- Super-large LCD display
- Automatic micro computer control
- Fault automatic detection

TECHNICAL SPECIFICATIONS

Specifications of Beta Series - Deionized Water System - Tap Water Inlet

Parameter	Beta 60D	Beta 90D	Beta 120D
Output	60 L/hr	90 L/hr	120 L/hr
Conductivity of RO water	< conductivity of tap water × 5%		
Resistivity of deionized water (25°C)	>10 MΩ-cm		
Bacteria	<1 CFU/ml		
Particle (>0.2 μm)	<1/ml		
Inlet water requirement	tap water, temperature: 5–45°C, pressure: 1.0–4.0 kgf/cm ²		
Dimension and Weight	Length: 570 mm, Width: 600 mm, Height: 1500 mm, Weight: about 60 kg		
Electric requirements	AC110–220V, 50/60Hz		
Power	240W/300W		

Specifications of Beta Series - Ultra Pure Water - Tap Water Inlet

Parameter	Beta 60/90/120	Beta 60/90/120F	Beta 60/90/120V	Beta 60/90/120FV
Output	60/90/120 L/hr	60/90/120 L/hr	60/90/120 L/hr	60/90/120 L/hr
Endotoxin	—	<0.001 EU/ml	—	<0.001 EU/ml
TOC*	10 ppb		3 ppb	

Parameter	Beta 60/90/120	Beta 60/90/120F	Beta 60/90/120V	Beta 60/90/120FV
Resistivity of ultra pure water (25°C)	18.2 MΩ-cm			
Bacteria	<1 CFU/ml			
Particle (>0.2 μm)	<1/ml			
Heavy metal ion	<0.1 ppb			
Conductivity of RO water	< conductivity of tap water × 5%			
Inlet water requirement	tap water, temperature: 5–45°C, pressure: 1.0–4.0 kgf/cm²			
Dimension and weight	Length: 570 mm, Width: 600 mm, Height: 1500 mm, Weight: about 60 kg			
Electric requirements	AC110–220V, 50/60Hz			
Power	240W/300W			

Part #	Description - Main Unit & Customizable Options
TT-BETA60D	Water Purification Beta 60D - Deionized water system, 60 L/hr
TT-BETA60	Water Purification Beta 60 - Ultra Pure water system, 60 L/hr, TOC 10 ppb
TT-BETA60F	Water Purification Beta 60F - Ultra Pure water system, 60 L/hr, TOC 10 ppb, Endotoxin 0.001 EU/ml
TT-BETA60V	Water Purification Beta 60V - Ultra Pure water system, 60 L/hr, TOC 3 ppb
TT-BETA60FV	Water Purification Beta 60FV - Ultra Pure water system, 60 L/hr, TOC 3 ppb, Endotoxin 0.001 EU/ml
TT-BETA90D	Water Purification Beta 90D - Deionized water system, 90 L/hr
TT-BETA90	Water Purification Beta 90 - Ultra Pure water system, 90 L/hr, TOC 10 ppb
TT-BETA90F	Water Purification Beta 90F - Ultra Pure water system, 90 L/hr, TOC 10 ppb, Endotoxin 0.001 EU/ml
TT-BETA90V	Water Purification Beta 90V - Ultra Pure water system, 90 L/hr, TOC 3 ppb

Part #	Description - Main Unit & Customizable Options
TT-BETA90FV	Water Purification Beta 90FV - Ultra Pure water system, 90 L/hr, TOC 3 ppb, Endotoxin 0.001 EU/ml
TT-BETA120D	Water Purification Beta 120D - Deionized water sys., 120 L/hr
TT-BETA120	Water Purification Beta120 - Ultra Pure water system, 120 L/hr, TOC 10 ppb
TT-BETA120F	Water Purification Beta120F - Ultra Pure water system, 120 L/hr, TOC 10 ppb, Endotoxin 0.001 EU/ml
TT-BETA120V	Water Purification Beta120V - Ultra Pure water system, 120 L/hr, TOC 3 ppb
TT-BETA120FV	Water Purification Beta 120FV - Ultra Pure water system, 120 L/hr, TOC 3 ppb, Endotoxin 0.001 EU/ml



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