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A leading company in the laboratory equipments

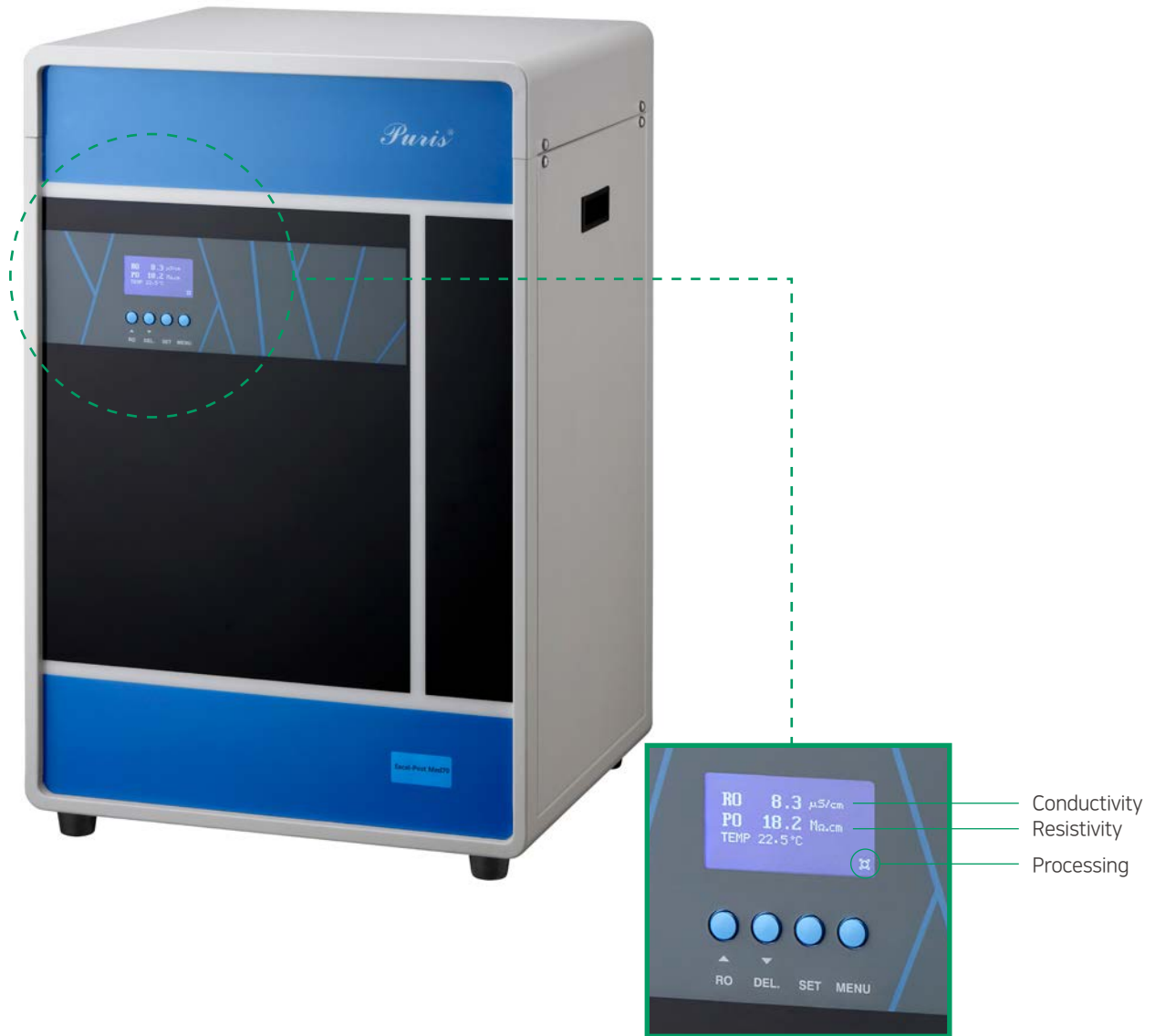
# MIRAE ST



# Puris Excel-Series

## Features

- Produce pure and ultrapure water that meets ASTM, ISO3696, CLSI, EP, and USP regulations
- Compact Design and easy maintenance
- Producing Clinical biochemistry analyzer and Semiconductor cleaning water
- Displays all filters lifetime
- Equipped level sensor
- Producing Type I , II , III in high flow rate.
- Easy Installation and maintenance



## Accessories

Description	Item No.	Description	Item No.
Med-PC Pack	24101	Med-UP Pack I	24301
Med-RO Pack	24102	Med-UP Pack II	24302
Med-Post Pack	24103	UV Lamp	24303
Final Filter, 0.2µm, 10"	45306		

# Excel-UP Water Systems

## Specification

Model		Excel-UP Med7	Excel-UP Med UV7
Flow rate (up to)	Flow Rate	7L/min	7L/min
Quality	Resistivity	18.2M $\Omega$ ·cm	
	TOC	<10ppb	<5ppb
Standard Accessories		• Med-UP Pack I	• Med-UP Pack II
		-	• Final filter10", 0.2 $\mu$ m
		• Operation Manual	• Power Code
			• UV Lamp
			• Tubing Kit

## Configuration

Electrical Power	• 220v, 50/60Hz, 880w	• 220v, 50/60Hz, 900w
Dimension	• W510*D450*H1,040mm	
Operating weight	• 78kg	



# Excel-Post Water Systems

## Specification

Model			Excel-Post Med50	Excel-Post Med70	Excel-Post Med100
Flow rate (up to)	Type II		50L/hr	70L/hr	100L/hr
Quality	Resistivity	Type II	15-18M $\Omega$ ·cm	15-18M $\Omega$ ·cm	15-18M $\Omega$ ·cm
	Conductivity	Type III	1-20 $\mu$ s/cm	1-20 $\mu$ s/cm	1-20 $\mu$ s/cm
	TOC	Type II	<30ppb	<30ppb	<30ppb
Standard Accessories			• Med-PC Pack	• Med-RO Pack	
			• Med-Post Pack	• Med-RO Pack *2ea (Med70,100)	
			• Operation Manual	• Power Cable	• Tubing Kit

## Configuration

Electrical Power	• 220v, 50/60Hz, 660w	• 220v, 50/60Hz, 880w
Dimension	• W510*D450*H790mm	• W510*D450*H1,040mm
Operating weight	• 51kg	• 52kg
		• 78kg



# Excel-RO Water Systems

## Specification

Model			Excel-RO Med50	Excel-RO Med70	Excel-RO Med100
Flow rate (up to)	Type III		50L/hr	70L/hr	100L/hr
Quality	Conductivity	Type III	1-20 $\mu$ s/cm	1-20 $\mu$ s/cm	1-20 $\mu$ s/cm
Standard Accessories			• Med-PC Pack	• Med-RO Pack	
			• Med-RO Pack *2ea (Med70,100)		
			• Operation Manual	• Power Cable	• Tubing Kit

## Configuration

Electrical Power	• 220v, 50/60Hz, 660w	• 220v, 50/60Hz, 880w
Dimension	• W510*D450*H790mm	• W510*D450*H1,040mm
Operating weight	• 42kg	• 44kg
		• 68kg



## Ultrapure (Type1)

### E-Duo 12 VF/VFT



**From Tap water** Type 1, 2 and 3  
**Flow rate (up to)** Type 1, 2 - 2L/min  
 Type 3 - 22L/hr

### E-Duo 13 UV/VF



**From Tap water** Type 1, 3  
**Flow rate (up to)** Type 1 - 2L/min  
 Type 3 - 22L/hr

### Evo-CB Dio 10/20/UV/VF



**From Tap water** Type 1 and 3  
**Flow rate (up to)** Type 1 - 2L/min  
 Type 3 - 10, 20L/hr

## Pure (Type2)

### Evo-ROP Dico 10/20



**From Type 2,3** Type 2, 3  
**Flow rate (up to)** Type 2 - 10,20L/hr  
 Type 3 - 10,20L/hr

### Application

- Preparation of reagents, Tissue dyeing, Buffers
- Feed water for Autoclave, Clinical analyzers, Hydrogen generator
- General laboratory tasks, Microbiological culture media
- Glassware rinsing

## High-Flow water Systems

### Excel-UP Med 7/UV



**From Type 2,3** Type 1  
**Flow rate (up to)** Type 1 - 7L/min

### Excel-Post Med 50/70/100



**From Tap water** Type 2, 3  
**Flow rate (up to)** Type 2, 3 - 50,70,100L/hr

### Excel-RO Med 50/70/100



**From Tap water** Type 3  
**Flow rate (up to)** Type 3 - 50,70,100L/hr

### Application

- Feed water of ultrapure water system
- Clinical analyzer, Semiconductor wafer rinsing
- Biochemistry analyzer

### Expe-CB Ele 10/20/UV



**From Tap water** Type1 and 3  
**Flow rate (up to)** Type 1 - 2L/min  
 Type 3 - 10,20L/hr

### Evo-UP Dio BA/UV/VF/UT



**From Tap water** Type 1, 2, 3  
**Flow rate (up to)** Type 1 - 2L/min

## Application

- AA, GFAA, ICP-MS, Chromatography, Cell culture
- Buffer manufacturing
- Molecular biology
- DNA microarray
- Electrophoresis
- HPLC, UPLC, LC-MS, GC
- PCR, DNA sequencing

## Pure (Type3)

### Evo-RO Dico 10/20



**From Tap water** Type 3  
**Flow rate (up to)** Type 3 - 10, 20L/hr

### Expe-RO Ele 10/20



**From Tap water** Type 3  
**Flow rate (up to)** Type 3 - 10, 20L/h

## Application

- Glassware rinsing, Hydroponics , Water baths
- Feed water of ultrapure water systems, Humidifiers
- Autoclaves

## Consumables

	Filters	Contains(pore size)	
<b>Pretreatment</b>	Duo-MA Pack	Depth Activated carbon filter (1um)	Removes large particles and free chlorine from tap water.(Pack includes of polyphosphaste for anti-scaling)
	Dico-PC Pack	Micro filter (1um)	
	Expe-PC Pack	Depth Activated carbon filter (1um)	Protecting the reverse osmosis (RO) membrane against mineral scaling, organic fouling and chlorine oxidation.
	Med-PC Pack		
<b>RO Membrane</b>	Duo-RO Membrane	Reverse Osmosis Membrane (MW200)	Remove a large majority of contaminants from water by pushing the water under pressure through a semi-permeable membrane.
	RO Membrane		
	RO Pack		
<b>Deionization</b>	Duo-MB Pack	Ion exchange resins	Remove trace levels of organics
	Dico-PO Pack		
	Med-Post Pack		
<b>Low TOC</b>	UV Lamp	Dual Wavelength (185/254nm)	Degrades organic contaminants by photooxidation and purifies water as it passes through the UV lamp.
<b>Ultra Pure water</b>	Duo-PI Pack	Ion exchange resins	Removes trace levels of ions from ultrapure water.
	Dio-Pack I,II	Activated Carbon	the cartridge comprises clean and high-purity materials to minimize leaching of low organics and extractable contaminants.
	Expe-CI,MI Pack		
<b>POU Filter</b>	Final filter I,II	0.22 µm	Filters for bacteria-free and particulate-free water
	UF Filter		Filters(0.01µm) for pyrogen-free water for removing of pyrogens(endotoxin), Rhase,Dnases.
	Metal Filter		Removes specific heavy metals and micro-particles.



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