Water Purifiers

WG510/710/730

WG510/710/730 have been discontinued.

High-capacity type to supply highly pure water with a single motion.

These models employ microproccessor automatic control of all processes, from the supplying of water, ion exchange and distillation, to the storage.

Model		
510	710	730
Water Purification Method		
Ion exchange --> Distillation Ion exchange --> Filtration		
Purified Water		
Ion exchange water / Distilled water		
Distilled Water production		
5.0 L/h	10 L/h	7.5 L/h
Collection Water		
Ion exchange water 1 to 2 L/min Distilled water 1.5 to 2.5 L/min		

- They feature a number of devices for direct production of large amounts of distilled water and deionized water.
- They also include a number of devices with many functions that guarantee high purity of water, as well as 2 methods of production of deionized water.
- The operation panel has high operability such as arbitrary setting of amount of water supplied, single key-stroke system and a water quality monitor indigital form which permits you to check the water quality easily.
- lt is easy to exchange the ion-exchange resin cartridge.

■ Specifications

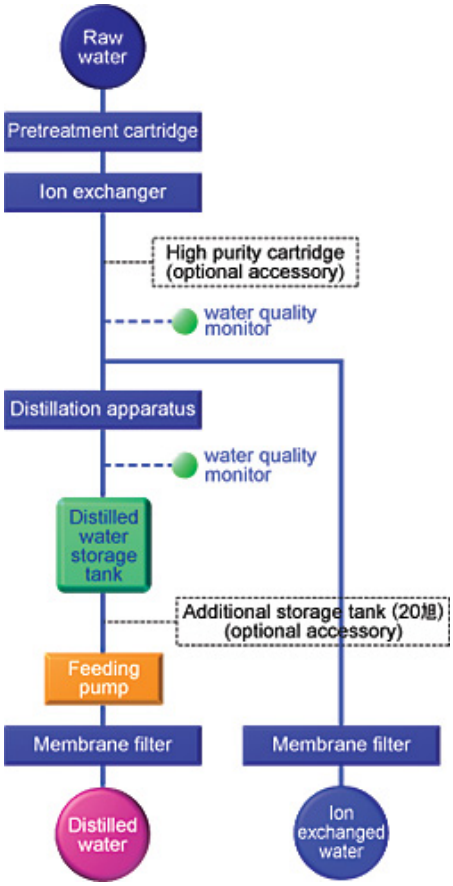
	WG510	WG710	WG730
Performance			
Water purification method	Ion-exchange --> Distillation --> Filtration		
Purified water	Distilled water, Deionized water		
Distilled water production	Approx. 5 L/Hr.	Approx. 10 L/Hr.	Approx. 10 L/Hr.
Collection of Distilled water	Approx. 1 to 2/1.5 to 2.5 L/min. (50/60Hz)		
Collection of Ion exchange water	Approx. 1.0 to 1.5 L/min.		
Components			
Boiler	Stainless steel		
Condenser	Stainless steel		
Heater	Ceramic heater, 2 pcs.	Ceramic heater, 4 pcs.	Ceramic heater, 3 pcs.
Distilled water storage tank	Polyethylene made, 60 L		
Raw water filter	Pre-treatment cartridge (activated carbon + hollow fiber membrane, 0.1µm)		
Pure water filter	Membrane filter (hollow fiber membrane, 0.1µm)		
Ion-exchanger	One-touch connecting type large cartridge (mixed floor type, 10 L)		
Water quality monitor	Temperature automatic compensation, digital display Display are switch types electric conductivity and the resistivity 0.05 to 300 X 10^{-4} S/m.25deg.C (Conductance) 0.1 to 18 X 10^{4} Ω.m.25deg.C (Resistivity)		
Distilled water tank level display	Display on LED in 5 steps		
Range of collection capacity	0.1 to 99.9 L (0.1 L/step)		
Water pump	Output 20W		
Raw water pressure range	1 to 5×100kPa (1 to 5kg /cm^2)		
Standard			
Raw water pressure range	1 to 5×100kPa (1 to 5kg /cm^2)		
Power source 50/60Hz	AC200V, single phase 20A (30A)	AC200V , single phase 40A (50A)	AC200V , three phase 18A (30A)
External dimensions(W×D×Hmm)	903×603×1, 430		
Weight	Approx. 110 kg		
Accessories			
	Water supply hose -- 2m×1 pc. (with connecting unit), Drain hose -- 3m×1 pc. (with hose clamp), Detergent -- 1kg, Pre-treatment cartridge -- 1 pc. Ion-exchange resin -- 1 pc. Membrane filter-- 2 pcs.		

■ Control panel

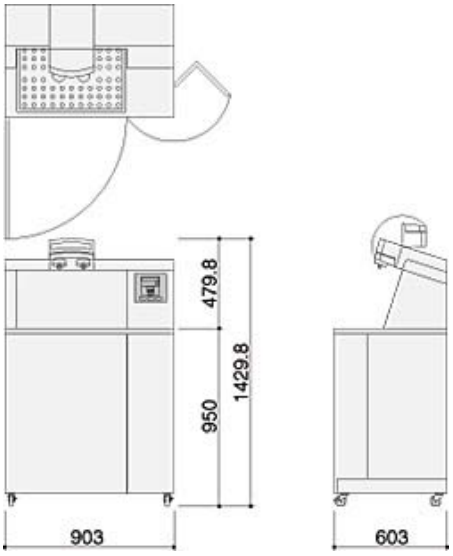
■ Structure

■ Inner View

■ System Diagram



■ **Dimensional drawing (mm)**



■ **Water qualify analysis / Industrial standard JISK 0557**

Item	Exchanged water		Distilled water	
	Measured value	Type	Measured value	Type
Electric conductivity(mS/m)	0.0055	A4	0.083	A4
Organic carbon (TOC) (μgC/L)	28	A4	40	A4
Zinc（μ Zn/L)	<0.01	A4	<0.01	A4
Silica (μ SiO2/L)	<0.1	A4	0.5	A4
Chloride Ion (μCL-/L)	<0.1	A4	<0.1	A4
Sulfuric acid Ion (μ SO4-/L)	<0.1	A4	<0.1	A4
Total level	A4		A4	

■ **Optional items ＆ Consumable items**

Description	Model No.	Product Code
Supply Water Unit OWH10	WS200/220, WG35/510/710/730, WA200/500/570/710/730	253686
Connection Unit G (WL100 Autostill)	WG510/710/730, WA500/570/710/730	253668
Sampling Hose Connection Unit OWF	WG510/710/730, WA500/570/710/730	253208
High Purity cartridge (CPC-H) Connection Unit OWD10	WG510/710/730	253207
Drain Trap OWI20	WG35, WG510, WA570	253212
Drain Trap OWI40	WG710, WA500/710	253214
Drain Trap OWI50	WG730, WA730	253215
Pretreatment cartridge PWF-1		253099
Ion exchanger SPC-10	WG510/710/730	9110010004
Ion exchanger SPC-10 Reproduction cost		000823
Membrane filter MFRL730	WG510/710/730, WA500/570/710/730	9020010006
Cleaning agent (1kg)		8190010001