



WA511/711

Low running cost and High-capacity type, supplying highly pure water with a single motion.

Ion-exchanged water and Distilled water supplying to the storage tank are automatically controlled.

Model		
511	711	731
Water Purification Method		
Distillation -> Ion-exchange Distillation -> Filtration		
Purified Water		
Distilled water / Ion-exchange water		
Production of distilled water		
5.0 L/h	10 L/h	
Purified Water		
Distilled/Ion-exchanged water		1.4 L/min

- Large amounts of Distilled water and Ion-exchanged water can be obtained.
- Distillation to Ion-exchange is low running cost method. Selecting Ion-exchange resin cartridge Model: CPC-N (option, A3 water level) can be much lower running cost.
- Operation status are digitally displayed and the language can be chosen either Japanese or English.
- Easy to replace the Ion-exchange resin cartridge.
- Safety function: Power leakage breaker, Water leakage sensor, Water pressure reduction valve are equipped.
- Water softener cartridge, UV lamp for sterilization is available as the optional.

■ Specifications

Model	WA511	WA711	WA731
Performance			
Water purification method	Pretreatment -> Distillation -> Ion-exchange -> Filtration		
Purified water / Quality level	Distilled water / A1, Ion-exchanged water / A4		
Production of distilled water	Approx. 5 L/h	Approx. 10 L/h	
Collection of Distilled water	Approx. 1.4 L/ min.		
Collection of Ion exchange water	Approx. 1.4 L/ min.		
Range of collection capacity	0.1 to 85 L		
Waste water discharging	Drain water connecting on both/back sides for the drain hose		
Components			
Boiler	Stainless steel		
Condenser	Stainless steel		
Heater	Pipe heater, 1.9kW×2 pcs.	Pipe heater, 2.55kW×3 pcs.	
Pre-treatment cartridge	Activated carbon + hollow fiber membrane, 0.1μm		
Membrane filter	Hollow fiber membrane, 0.1μm		
High purity cartridge	One-touch connecting type cartridge (Model: CPC-H, 3L)		
Distilled water storage tank	Polyethylene made, 100 L		
Water sampling table	Large stainless steel sink (with a splashing preventive mechanism)		
Feeding pump	Electromagnetic pump		
Standard			
Raw water pressure range	15 to 5×100kPa (15 to 5kg /cm ²)		
Safety function	Power leakage breaker, Water leakage sensor, Water pressure reduction valve, Water quality error alarm		
Power source 50/60Hz	200V AC, single phase,	200V AC, single phase,	200V, three phase,
	19.5A (30A)	38.5A (50A)	22.5A (30A)
External dimensions (W×D×Hmm)	800×685 ×1510	870×685×1510	
Weight	Approx. 130 kg	Approx. 140 kg	
Indications and settings			
Water quality monitor	Digital indication (Conductivity or Resistivity)		
Distilled water tank level display	Display on LED in 5 steps		
Other indications	Replacement consumable parts (Pretreatment cartridge, High purity cartridge, Membrane filter), Error message, History of error messages, History of consumable part replacements (up to 20 times for each consumable part), default Language in Japanese or English, Requirement of maintenance		
Accessories			
	Water supply hose 2m×1 pc. (with connecting unit), Drain hose 3m×1 pc. (with hose clamp) Pre-treatment cartridge, High purity cartridge (CPC-H), Membrane filter x 2 pcs.		

*1 Conditions: Temperature and humidity: 23 deg.C±5 deg.C, 65%RH±20%. Raw water pressure range: 15 to 5×100kPa (15 to 5kg /cm²).

*2 External dimensions do not include protrusions.

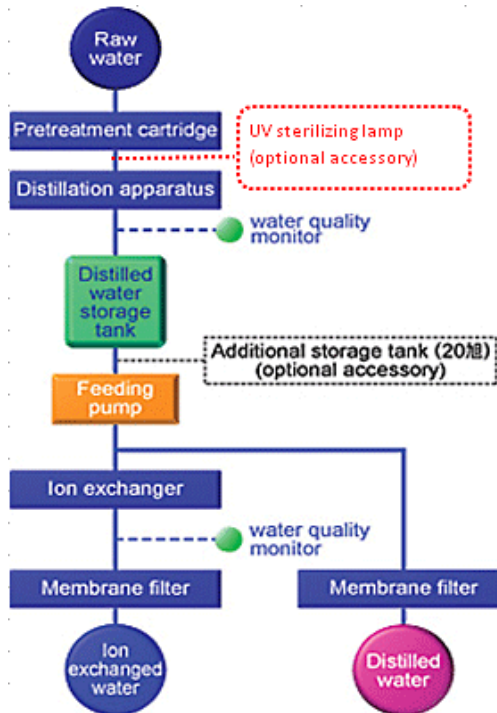
■ Control panel



■ Structure



■ System Diagram



■ Water quality standard, Japan Industrial standard JISK 0557 (at water temperature: 20 deg.C)

Item	Ion-exchanged water		Distilled water	
	Measured value		Measured value	
	WA511	WA731	WA511	WA731
Electric conductivity(mS/m)	0.0059	0.0058	0.2	0.2
Organic carbon (TOC) (mg/L)	0.014	0.015	0.09	0.066
Zinc (µg Zn/L)	<0.1	<1.0	<0.1	<0.1
Silica (µg SiO2/L)	<0.1	<0.1	0.8	<0.1
Chloride Ion (µg CL-/L)	<0.5	<0.5	0.5	<0.5
Sulfuric acid Ion (µg SO4-/L)	<1.0	<1.0	<1.0	<1.0
Water Level	A4		A1	

Raw water: Tap water of Kanagawa Prefecture Japan. Above measurements vary, depending on the quality of raw water.

■ Optional accessories and consumables

Remark	Description	Model No.	Main Unit Model No.	Product Code
	Sampling hose connection unit	OWF10	WA series	253208
	Water supply unit	OWH10	WA series	253686
	Raw water pressure reduction valve	OWG42	WA series	253769
●	Connection unit G (WL100+WA Series)	G	WA series	253668
●	Drain water trap	OWI21	WA511	253222
●	Drain water trap	OWI41	WA711	253223
●	Drain water trap	OWI51	WA731	253224
●	UV sterilizing lamp	OWG22	WA series	253203
	Water supply L shape socket	OWE18	WA series	253281
	Raw water pressure meter	OWA48	WA series	253209
●	Water softener cartridge (with OWA30)	OWA50	WA series	253210
●	External alarm output terminal	OWG52	WA series	253219
	High purity cartridge	CPC-H	WA series	CPCNS30011
	Pretreatment cartridge	PWF-1	WA series	253099
	Membrane filter	MFRL730	WA series	9020010006
	Ion exchange resin cartridge (A3 water level)	CPC-N	WA series	CPCN30010
	Water softener cartridge	-	OWA50	OWA30

Note: The item marked "●" in the column of "Remark" shall be ordered together with the main unit.

Pretreatment cartridge
(PWF-1)



Water supply unit
(OWH10)



Water supply
L shape socket



High purity cartridge
(CPC-H)



Ion-exchange resin cartridge
(CPC-N)

