

# Large Capacity Water Purifier - Auto Still®

## WA570/730

Production capacity 5~10L/h

Treatment process Distillation→Ion exchange→Filtration

Purified Water

Deionized water / Distilled water

Water quality Type1 / A4 Deionized water Type 4 / A1 Distilled water

Low cost, large capacity water purifier.



- ASTM D1193 Type1 / JIS K 0557 A4 level high purity water with reduced TOC value
- Employs microprocessor which automatically controls all processes from supplying of water, ion exchange and distillation to storage
- Equipped with high performance pre-treatment cartridge (activated charcoal + 0.1µm hollow fiber membrane) for high quality water
- Standard equipped with 0.1µm hollow fiber membrane filter at water sampling ports which protects pure water delivery from contamination
- Initial distilled water drainage, automatic boiler cleaning and drainage device for stable quality of distilled water
- Safety device includes low-water boiling prevention, overheat prevention, water leak detector, earth leakage circuit breaker

### Specifications

Model		WA570	WA730
Water purifying method		Distillation→ion-exchange→filtration	
Purified water		Distilled water / deionized water	
Distilled water production		~5L/h	~10L/h
Pure water delivery rate		Distilled water: ~1.4/1.6L/min (50/60Hz) Deionized water: ~1.4/1.5L/min (50/60Hz)	
Distiller	Boiler	Stainless steel (SUS304)	
	Condenser	Stainless steel (SUS304)	
	Pipe heater	1.9kW x 2	2.55kW x 3
Distilled water storage tank		60L Polyethylene tank	
Raw water filter		Pre-treatment cartridge (activated charcoal + 0.1µm hollow fiber membrane)	
Pure water filter		Membrane filter (MFRL730) (0.1µm hollow fiber membrane)	
Ion-exchange cartridge		One-touch fitting cartridge (CPC-N) (Mixed bed, resin 3L)	
Water quality display		Automatic temperature compensation, digital display Switchable between electrical conductivity and resistivity 0.05~300 x 10 <sup>4</sup> S/m (0.05~300µs/cm)·25°C (Electrical conductivity display) 0.1~18 x10 <sup>4</sup> Ω·m (0.1~18MΩ·cm)·25°C (Resistivity display) (display resistivity by 1~18 integer numbers)	
Distilled water level indication		5 levels by LED display	
Setting range of production		0.1~99.9L (0.1L unit)	
Water feeding pump		Magnet pump	
Raw water pressure range		1~5 x 100kPa (1~5kgf/cm <sup>2</sup> )	
Power source (50/60Hz)		Single phase AC220V, 17.5A	Three phase AC220V, 18A
External dimensions *		W903 x D603 x H1430mm	
Weight		~120kg	
Accessories		Supply / drain water hoses, pre-treatment cartridge, ion-exchange resin cartridge, membrane filter	

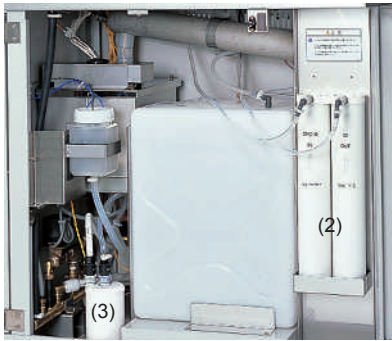
\* Protrusions not included.

## Structure



**Water sampling tray**  
Large stainless steel sink with a splashing preventive mechanism

(1) Membrane filter MFRL730



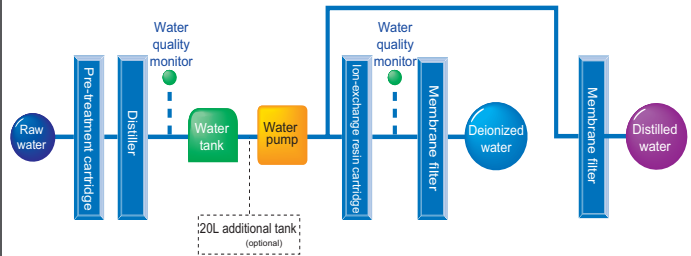
Easy to replace 2 in 1 ion-exchange resin cartridge  
(2) Ion-exchange resin cartridge CPC-N  
(3) Pre-treatment cartridge PWF-1

## Control Panel



Digital water quality monitor displays quality of deionized water and distilled water

## Treatment Process



## Water Quality Analysis

Item	ASTM D1193				Deionized water			Distilled water		
	Type 1	Type 2	Type 3	Type 4	Measured value	Level		Measured value	Level	
						ASTM D1193	JIS K 0557		ASTM D1193	JIS K 0557
Electrical conductivity(μS/cm)	<0.056	<1.0	<0.25	<5.0	0.055	Type 1	A4	1.49	Type 4	A1
Organic carbon (μg /l)	<50	<50	<200	no limit	42	Type 1	A4	64	Type 3	A3
Zinc (μg Zn/l)	-	-	-	-	0.021	-	A4	0.013	-	A4
Silica (μg SiO <sub>2</sub> /l)	<3	<3	<500	no limit	<0.1	Type 1	A4	0.7	Type 1	A4
Chloride ion (μ Cl <sup>-</sup> /l)	<1	<5	<10	<50	<0.1	Type 1	A4	<0.1	Type 1	A4
Sulfate ion (μg SO <sup>2-</sup> /l)	-	-	-	-	<0.1	-	A4	1	-	A4
<b>Total level</b>						<b>Type 1</b>	<b>A4</b>		<b>Type 4</b>	<b>A1</b>

\*Quality of raw water may cause different results.

\*For water quality comparison JIS K 0057 ↔ ASTM D 1193 refer to page 115 of the general catalog.

### Optional items

Product code	Product name	
253686	Water supply port unit	OWH10
253208	In-take hose joint set	OWF
CPCNS30011	High purity cartridge	CPC-H
253212	Drain trap	OWI20 WA570
253215	Drain trap	OWI50 WA730



Water supply port unit



High purity cartridge

### Consumable parts

Product code	Product name	
253099	Pre-treatment cartridge	PWF-1
CPCN30010	Ion-exchange resin cartridge	CPC-N
9020010006	Membrane filter	MFRL730



Pre-treatment cartridge



Ion-exchange resin cartridge

### ⚠ Attention

- Avoid tangling the drain hose
- Attach water supply hoses to the faucet with sink
- When sink is separate from the faucet, please use optional Water Supply Port Unit
- Raw water pressure should be within specified pressure range
- Avoid flammable or explosive gas atmosphere