

Water Purifier (Ion-exchange+Distillation)

WG204

Distilled water production 1.5L/h

Purifying method Ion exchange→Distillation

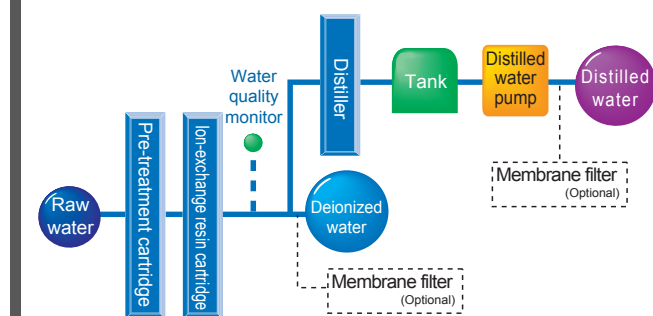
Purified water Deionized water / Distilled water

Water quality A4 Deionized water / A4 Distilled water

Low cost high purity water purifier

- Pre-treatment cartridge removes bacteria, trihalomethane, residual chlorine, organic and dust
- High performance ion-exchange resin cartridge (CPC-S, 4L) brings high purity water with low electric conductivity and TOC
- Optional membrane filter at water sampling port
- Displays replacement of consumables
- Feed / Drain water connectors on both sides

Treatment Process



Specifications

Product code	253154
Model	WG204
Water purifying method	Ion-exchange→Distillation
Water feeding	One-touch coupler water connection, with water stop valve
Drainage connection	Left / right selection connecting, hose connecting
Distilled water production	Approx. 1.5L/h
Collection of distilled water	Approx. 1L/min
Collection of deionized water	Approx. 1L/min
Range of production	Continuous production
Condenser	Hard glass
Heater	Ceramic heater 1.2kW
Pre-treatment cartridge	0.1μm diameter hollow fiber + Activated carbon
Ion-exchange resin cartridge	CPC-S 4L×1pc. (Activated carbon high-purity cartridge)
Distilled / deionized water filter	Optional
Leakage indication	Water supply solenoid valve forcibly shut off when water leakage detected
Distilled water tank capacity	20L polyethylene tank
Distilled water UV sterilization	--
Water sampling tray	--
Multi-purpose distilled water sampling port	Right side of main unit, 1pc.
Water level sensor	2 steps reed switch
Raw water pressure range	0.5 to 5×100kPa (0.5 to 5kgf/cm ²)
Power source (50/60Hz)	AC115/220V Single phase with step-down transformer
External dimension*	W600×D575×H780mm
Weight	Approx. 48kg
Water level display	Communication pipe water level indication
Water quality display	5 steps conductivity LED indication
Other display	Replacement of consumable parts (Ion-exchange resin cartridge)
Accessories	Water/drainage hose, approx. 2m, Connecting hose assembly, Pre-treatment cartridge, Ion-exchange resin cartridge, Hose clamp

* Protrusions not included.
The length of the power cord is about 2m outside the unit.



Water Quality Analysis

Item	Deionized water		Distilled water	
	Measured value	JIS K 0557	Measured value	JIS K 0557
Electrical conductivity (μS/cm)	0.0055	A4	0.081	A4
Total organic carbon (μgC/L)	4	A4	33	A4
Zinc (μgZn/L)	<0.01	A4	<0.01	A4
Silica (μgSiO ₂ /L)	<1.0	A4	<1.0	A4
Chloride ion (μgCl ⁻ /L)	<0.1	A4	<0.1	A4
Sulfate ion (μgSO ₄ ²⁻ /L)	<0.1	A4	<0.1	A4
Total level		A4		A4

* Quality of raw water may cause different results.
Distilled water is the value right after production.

Optional items

No.	Description	Model	Product code
①	Stand	AS250	253174
②	Product water hose, hose length 2m	OWG24	253204
③	Water Supply Unit	OWH10	253686
④	Raw water pressure reducing valve	OWG48	253772
⑤	*Connection Unit G (Connection Set for WL100)	--	253668
⑥	*Drain trap	OWI11	253221

* Please specify when ordering main unit.



Consumable parts

No.	Description	Model	Product code
①	Pre-treatment cartridge	PWF-1	253099
②	Ion-exchange resin cartridge	CPC-S	253080
③	Membrane filter (2 pcs. / set)	MFRL727	9020010004
④	Air vent filter for tank	AVF-1(4210)	9020020001