

Water Purifier - Auto Still®

WG251-115V WG251-220V / WG1001

| | | | | | | | | | |
|----------------------------|----------------|---------------|-------------------|--------------------------------------|----------------|------------------------------------|---------------|-------------------------------|-------------------------------|
| Distilled water production | 1.8L/h (WG251) | 5L/h (WG1001) | Treatment process | Ion exchange→Distillation→Filtration | Purified water | Deionized water Distilled water | Water quality | Type1 / A4 Deionized water | Type2 / A4 Distilled water |
|----------------------------|----------------|---------------|-------------------|--------------------------------------|----------------|------------------------------------|---------------|-------------------------------|-------------------------------|

Low TOC standard models



WG251



WG1001

- Pre-treatment cartridge removes bacteria, trihalomethane, residual chlorine, organic and dust
- High performance ion-exchange resin cartridge (CPC-S, 4L) achieves high purity water with low electric conductivity and TOC
- Multi-functional control and display panel
- Standard equipped with membrane filter at water feeding port
- Large distilled water tank with capacity of 30L (WG251) and 100L (WG1001)
- Easy to use slide out type water sampling tray with drainage eliminates concerns about overflowing water discharge

Specifications

| Model | WG251-115V WG251-220V | WG1001 |
|---|--|---|
| Water purifying method | Ion exchange→Distillation→Filtration | |
| Water feeding | One-touch coupler connecting resin hose / free hose connecting | |
| Water drain method | Left / right selection connecting / hose connecting | |
| Purified water | Deionized water and distilled water | |
| Distilled water production | ~1.5L/h | ~5L/h |
| Distilled water delivery rate | 0.5~1L/min | |
| Deionized water delivery rate | 0.5~1L/min | |
| Range of production | 0.1~30L / continuous water collection | 0.1~100L / continuous water collection |
| Condenser | Hard glass | |
| Heater | Ceramic heater 1.2kW | Ceramic heater 1.9kW x 2 |
| Pre-treatment cartridge | 0.1μm hollow fiber + activated carbon (PWF-1) | |
| Ion-exchange resin cartridge | CPC-S 4L x 1pc. (activated carbon high-purity cartridge) | CPC-S 4L x 2pcs. (activated carbon high-purity cartridge) |
| Final filtration | 0.1μm membrane filter x 2 | |
| Leakage detection | Water leakage detector forcefully shuts off feed water solenoid valve when water leakage detected | |
| Distilled water tank capacity | 30L polyethylene tank | 100L polyethylene tank |
| Distilled water UV sterilization | Optional | |
| Water sampling tray | Slide out type, load-bearing capacity 10kg, for 5L beaker | Slide out type, load-bearing capacity 20kg, for 10L tank |
| Multi-purpose distilled water sampling port | Right side of main unit | |
| Water level sensor | Lead switch, five level detection | |
| Raw water pressure range | 0.5~5 x 100kPa (0.5~5kgf/cm ²) | |
| Power source (50/60 Hz) | AC115V 11A / AC220V 6A | AC220V 18A |
| External dimension*1 | W600 x D660 x H980mm | W600 x D660 x 1850mm |
| Weight | ~60kg | ~120kg |
| Water level display | LED display | |
| Water quality display | Digital (conductivity or resistivity) | |
| Other display | Replacement of consumable parts (ion-exchange resin cartridge, pre-treatment cartridge, UV sterilizing lamp*2, membrane filter), error message, log of consumables replacement (20 logs each), error log, Japanese or English display, maintenance requirement display | |
| Included accessories | Feed/drain water hose, connecting hose assembly, cleaning agent, preprocess cartridge, ion-exchange resin cartridge, membrane filter, hose clamp, seal tape | |

*1. Protrusions not included

*2. Optional

Control Panel



Membrane Filter (Standard)



Maintenance



WG1001 interior

Pre-process cartridge and ion-exchange resin cartridge can be easily attached and detached



Easy to use tray for product water intake

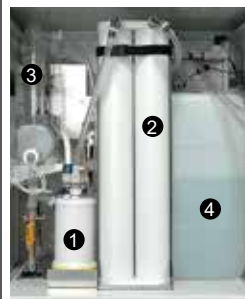
Water Quality Analysis

| Item | ASTM D 1193 Type1 | JIS K 0557 A4 | WG251 | | | | | | WG1001 | | | | | |
|---|----------------------|------------------|-------------------|----------------|---------------|-------------------|----------------|---------------|-------------------|----------------|---------------|-------------------|----------------|---------------|
| | | | Deionized water | | | Distilled water | | | Deionized water | | | Distilled water | | |
| | | | Measured value | ASTM D 1193 | JIS K 0557 | Measured value | ASTM D 1193 | JIS K 0557 | Measured value | ASTM D 1193 | JIS K 0557 | Measured value | ASTM D 1193 | JIS K 0557 |
| Electrical conductivity (μS/cm) | <0.056 | <1 | 0.055 | Type1 | A4 | 0.81 | Type2 | A4 | 0.056 | Type1 | A4 | 0.7 | Type2 | A4 |
| Total organic carbon (μg/l) | <50 | <50 | 4 | Type1 | A4 | 33 | Type1 | A4 | 10 | Type1 | A4 | 20 | Type1 | A4 |
| Zinc (μgZn/l) | - | <0.1 | <0.01 | - | A4 | <0.01 | - | A4 | <0.01 | - | A4 | <0.01 | - | A4 |
| Silica (μgSiO ₂ /l) | <3 | <2.5 | <0.1 | Type1 | A4 | <1.0 | Type1 | A4 | <1.0 | Type1 | A4 | <1.0 | Type1 | A4 |
| Chloride ion (μ Cl ⁻ /l) | <1 | <1 | <0.1 | Type1 | A4 | <0.1 | Type1 | A4 | <0.1 | Type1 | A4 | <0.1 | Type1 | A4 |
| Sulfate ion (μgSO ₄ ⁻ /l) | - | <1 | <0.1 | - | A4 | <0.1 | - | A4 | <0.1 | - | A4 | <0.1 | - | A4 |
| Total level | | | | Type1 | A4 | | Type2 | A4 | | Type1 | A4 | | Type2 | A4 |

*Quality of raw water may cause different results.

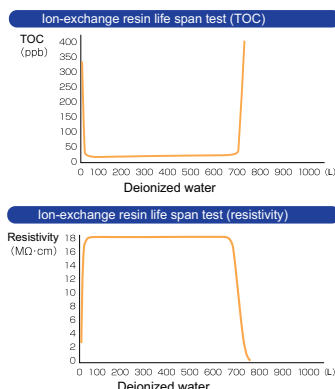
High Quality Ion-exchange Resin Cartridge (CPC-S)

25% more resin than previous products. Activated carbon added to high-quality ion-exchange resin achieves lower TOC.

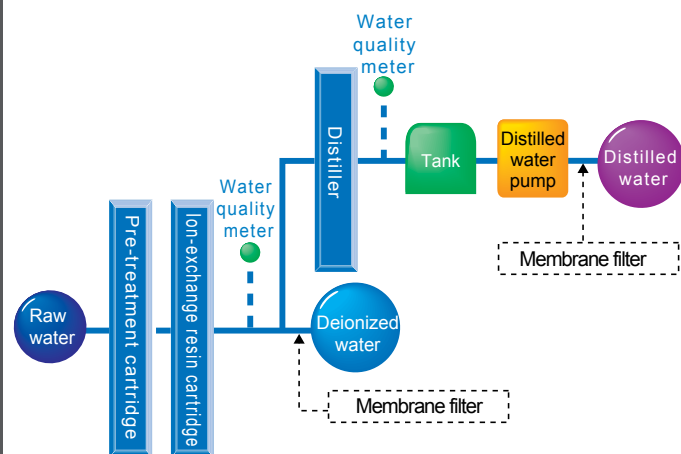


Automatic drainage function of the boiler water prevents scale adhesion and achieves higher water quality.

- (1) High performance pre-treatment cartridge (PWF-1) removes trihalomethane and achieves higher water quality
- (2) Ion-exchange resin cartridge (CPC-S)
- (3) Distilling boiler
- (4) Distilled water tank



Treatment Process



Optional items

| Product code | Description |
|--------------|--|
| 253174 | Stand AS250 (External dimension: W603 x D683 x H870mm) |
| 253204 | Product water hose OWG24 hose length 2m |
| 253686 | Feed water connection unit OWH10 |
| 253769 | Raw water pressure reducing valve OWG42 |
| 253202 | UV sterilizing lamp OWG20 (for WG250B) * |
| 253203 | UV sterilizing lamp OWG22 (for WG1000) * |
| 253211 | Drain trap OWI10 (for WG250B) * |
| 253212 | Drain trap OWI20 (for WG1000) * |

* Please specify when ordering main unit.

Consumable parts

| Product code | Description |
|--------------|--|
| 253099 | Pre-treatment cartridge PWF-1 |
| 253080 | Ion-exchange resin cartridge CPC-S |
| 9020010004 | Membrane filter (2 pcs. / set) MFRL727 |
| 9020020001 | Air vent filter for tank AVF-1(4210) |
| 253773 | UV sterilizing lamp OWG28 (Must have 253202 or 253203) |



Product water hose (OWG24)



Feed water connection (OWH10)



Drain trap OWI10+stand AS250



Pre-process cartridge PWF-1



Membrane filter MFRL727



Ion-exchange resin cartridge CPC-S



Air vent filter for tank AVF-1

Attention

- Handle drain hose carefully.
- Attach water supply hose to a faucet with a sink.
- When the sink is remote from the faucet, use optional water supply port unit.

- Keep original water pressure within the specified pressure range.
- Never use in flammable or explosive gas atmosphere.