

AUTOSTILL High-performance models conforming with JIS K0557 A4, for reducing TOC value
WG203/WG250B/WG250W/WG1000



WG203

Production of distilled water	
WG203/250	1.8L/h
WG1000	5L/h
Capacity of distilled water storage tank	
WG203	20L
WG205	30L
WG1000	100L

■ Specifications

Product code		253129	253130/253131	253132
Model		WG203	WG250B/WG250W	WG1000
System/ Performance	Treatment process	Ion exchange -> Distillation		Ion exchange -> Distillation -> Filtration
	Raw water feeding	Connection to a tap water faucet with a one-touch coupler (with a sluice valve)		
	Waste water discharging	Drain water connector on both sides for the connection of a drain hose		
	Product water	Deionized water and distilled water		
	Production of distilled water	Approx. 1.8L/hr.		Approx. 5L/hr.
	Collection of distilled water	Approx. 1L/min.		
	Collection of deionized water	0.5 - 1L/min.		
	Range of production	Continuous production	0.1 - 30L/continuous production	0.1 - 100L/continuous production
Composition	Condenser	Hard glass		
	Heater	Ceramic heater 1.4 kW		Ceramic heater 1.9 kW X2
	Pretreatment cartridge	0.1µm diameter hollow fiber + activated carbon		
	Ion-exchange resin cartridge	CPC-S 4L × 1 (highly refined resin with activated carbon)		CPC-S 4L × 2 (highly refined resin with activated carbon)
	Final filter of distilled/deionized water	Option	0.1 µm membrane filter × 2	
	Leakage detection	Water leakage activates a leak sensor, which forcefully shuts down the feed water solenoid valve.		
	Distilled water storage tank	20L polyethylene tank	30L polyethylene tank	100L polyethylene tank
	Distilled water UV lamp sterilizer	—	Option	
	Product water intake tray	—	Drawer type, load capacity 10 kg	Drawer type, load capacity 20 kg
	Multifunctional distilled water recovery port	Right side × 1		
Specification	Level sensor	Two-step reed switch	Five-step reed switch	
	Raw water feed pressure	0.5-5 × 100 kPa (0.5-5 kgf/cm ²)		
	Power supply	100V AC, 15A		200V AC, 20A, Single phase
	External dimension*1/weight	600 mmW×575 mmD×780 mmH, Approx. 48 kg	600 mmW×660 mmD×780 mmH, Approx. 55 kg	600 mmW×660 mmD×1650 mmH, Approx. 105 kg
Indications and settings	Level indications	Communicating tube	LED	
	Quality indication	Five-step LED for indicating conductivity	Digital indication (conductivity or resistivity)	
	Other indications	Replacement consumable parts (ion-exchange resin cartridge, pretreatment cartridge, UV sterilizing lamp, membrane filter), error message, alarm message, history of consumable part replacements (up to 20 times for each consumable part), history of error messages, default language in Japanese or English, requirement of maintenance		
	Accessories	Feed/Drain water hose, connection hose assembly, scale remover, pretreatment cartridge, ion-exchange resin cartridge		

Power plug is not provided.

* 1 External dimensions excluding protrusions

■ WG250W



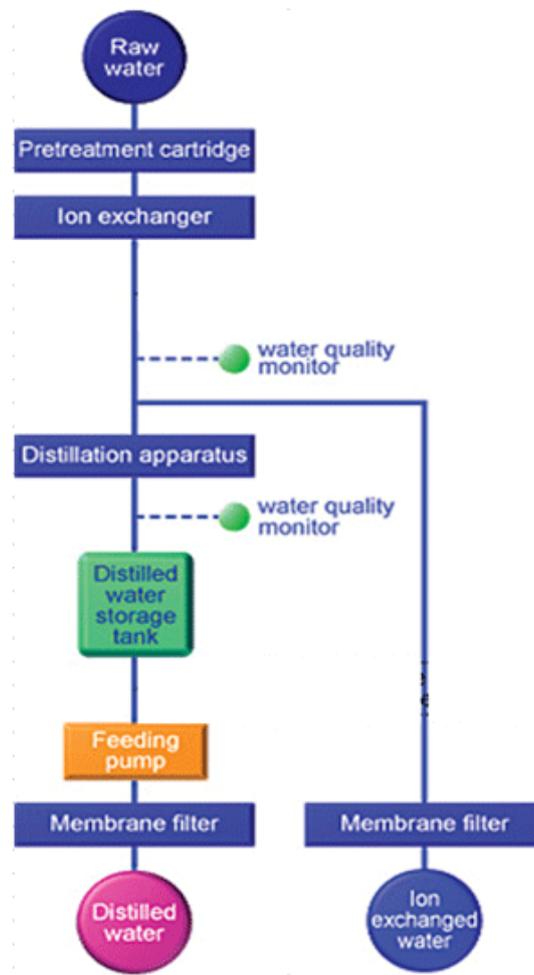
■ WG250B



■ WG1000



■ System Diagram



■ Features

1. Easy-to-use tray for product water intake (with drainage)



● The tray for product water intake place is equipped with original drainage system, which has eliminated the concerns about the discharge of overflowing water.

2. Multifunctional control and display panel



● Operation status are displayed and the language can be chose either Japanese or English.

● The panel tells you when to replace each filter, which is required to maintain the quality of pure water, by either showing prompts in the display panel (for Model WG250/1000) or illuminating an indicator lamp (for Model WG203).

3.Install anywhere



● Feed/drain water connectors can be selected from both sides, ready to be installed anywhere. With a rear, flat casing panel the system can be positioned against the wall, leaving no dead space.

4.Easy maintenance



● Most consumable parts, including the pretreatment cartridge and the ion-exchange resin cartridge, can be easily attached and detached, facilitating maintenance work.

5.A high-quality ion-exchange resin cartridge (CPC-S) is used.

- Ion-exchange resin is 25% larger than conventional systems.
- Added activated carbon to the high-quality ion-exchange resin significantly reduces the TOC concentration.

(Investigated at Yamato Scientific Central Laboratory with the tap water of Kanagawa Prefecture, Japan, as raw water)

6.WG250 color selections

- Model WG250W (white for both control panel and tray)
- Model WG250B (blue for both control panel and tray)
- Designate color when ordering.

■ Water quality standard Japan Industrial Standard (JIS) K0557

Description	Measurements						
	JIS K0557 A4	WG203		WG250		WG1000	
		Deionized water	Distilled water	Deionized water	Distilled water	Deionized water	Distilled water
Conductivity (mS/m)	0.1 or less	0.0055	0.081	0.0055	0.081	0.0056	0.07
Total organic carbon (TOC)($\mu\text{g C/L}$)	50 or less	4	33	4	33	10	20
Zinc ($\mu\text{g Zn/L}$)	0.1 or less	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silica ($\mu\text{g SiO}_2\text{/L}$)	2.5 or less	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloride ion ($\mu\text{g Cl}^-/\text{L}$)	1 or less	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfide ion ($\mu\text{g SO}_4^{2-}/\text{L}$)	1 or less	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total level		A4	A4	A4	A4	A4	A4

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

■ Optional accessories and consumables

Remark	Description	Option Model	Main Unit Model No.	Item Code
	Cart	AS250	WG203/WG250	253174
	Product water intake hose unit with a 0.1 μm membrane filter	OWG24	WG203/WG250/WG1000	253204
	Water Supply Unit	OWH10	WG203/WG250/WG1000	253686
	Raw water pressure reduction valve	OWG42	WG203/WG250/WG1000	253769
●	UV sterilizing lamp	OWG20	WG250	253202
●	UV sterilizing lamp	OWG22	WG1000	253203
●	Connection unit G (WL100+WG Series)	G	WG203/WG250/WG1000	253668
●	Drain water trap	OWI10	WG203/WG250	253211
●	Drain water trap	OWI20	WG1000	253212
	Pretreatment cartridge	PUF-1	WG203/WG250/WG1000	253099
	Ion-exchange resin cartridge	CPC-S	WG203/WG250/WG1000	253080
	Membrane filter (2 filters/set)	MFRL727	WG203/WG250/WG1000	9020010004
	Air vent filter for storage tank	AVF-1	WG203/WG250/WG1000	9020020001
	UV sterilizing lamp	OWG28	WG250/WG1000	253773

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

Pretreatment cartridge (PWF-1)



Membrane filter (MFRL727)



Ion-exchange resin cartridge (CPC-S)



Water Supply Unit (OWH10)

