

WG270 has been discontinued.



Yamato's original TOC reduction integrated system with Sterilizing UV lamp, Deaeration membrane module, Distilled water circulation system. WG270 produces JIS A4 water level continuously of both Deionized and Distilled water kept in a 20L storage tank.

Model
WG270
Purified Water
Ion exchange water / Distilled water
Production of distilled water
1.8L/h
Collection Water
Distilled water: 0.5 - 1L/min Ion exchange water: 0.5 - 1L/min L

- Yamato's original TOC reduction integrated system with Sterilizing UV lamp, Deaeration membrane module and Distilled water circulation system.
- Easy-to-use tray for product water intake (with drainage).
- Multifunctional control and display panel.
- Feed and drain can be connected on both sides and install anywhere.
- Easy maintenance as most consumables can be easily attached and detached.

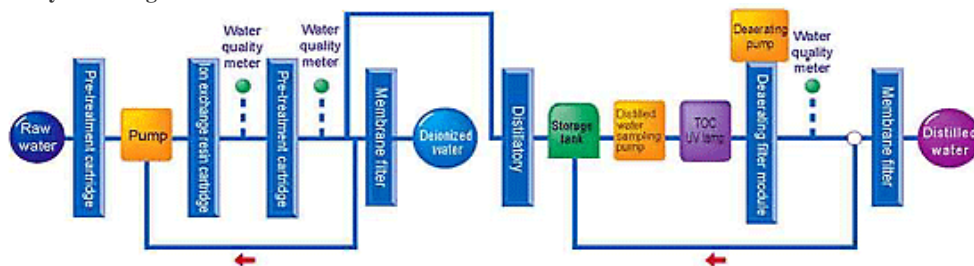
■ Specifications

Product code		253133
Model		WG270
System/ Performance	Treatment process	Ion exchange ->High purity cartridge ->Distillation -> UV sterilizing ->Deaeration -> 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.
	Collection of distilled water	Approx. 0.5 - 1L/min.
	Collection of deionized water	Approx. 0.5 - 1L/min.
	Range of production	0.1 - 20L/continuous production
Composition	Condenser	Hard glass
	Heater	Ceramic heater 1.4 kW
	Pretreatment cartridge	0.1µm diameter hollow fiber + activated carbon
	Ion-exchange resin cartridge	Ion-exchange (CPC-N) 3L × 1, High purity (CPC-H) 3L × 1
	Final filter of distilled/deionized water	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
	TOC reducing	UV sterilizing lamp for Distilled water
	Product water intake tray	Drawer type, load capacity 10 kg
	Level sensor	Five-step reed switch
Specification	Raw water feed pressure	0.5-5 × 100 kPa (0.5-5 kgf/cm ²)
	Power supply	100V AC , 15A
	External dimension*1/weight	600 mmW×660 mmD×780 mmH, Approx. 55 kg
Indications and settings	Level indications	LED
	Quality indication	Digital indication (conductivity or resistivity)
	Other indications	Replacement consumable parts (Pretreatment cartridge, Ion exchange resin cartridge, High purity cartridge, Membrane filter, UV lamp x 2pcs., Deaeration membrane module), 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, Pretreatment cartridge, Ion exchange resin cartridge, High purity cartridge, Membrane filter, TOC reducing UV sterilizing lamp, Deaeration membrane module

Power plug is not provided.

* 1 External dimensions excluding protrusions

■ 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.

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.

■ Water quality standard Japan Industrial Standard (JIS) K0557

Description	Measurements		
	JIS K0557 A4	WG270	
		Deionized water	Distilled water
Conductivity (mS/m)	0.1 or less	0.0055	0.076
Total organic carbon (TOC)(µg C/L)	50 or less	16	50
Zinc (µg Zn/L)	0.1 or less	<0.01	<0.01
Silica (µg SiO2/L)	2.5 or less	<0.1	1.5
Chloride ion (µg Cl-/L)	1 or less	<0.1	<0.1
Sulfide ion (µg SO42-/L)	1 or less	<0.1	<0.1
Total level		A4	A4

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

■ Optional accessories and consumables

Description	Option Model	Item Code
Cart	AS250	253174
Product water intake hose unit with a 0.1 μm membrane filter	OWG24	253204
Water Supply Unit	OWH10	253686
Raw water pressure reduction valve	OWG42	253769
Drain water trap	OWI10	253211
Pretreatment cartridge	PWF-1	253099
Ion exchange resin cartridge	CPC-N	CPCN30010
High purity cartridge	CPC-H	CPCNS30011
Membrane filter (2 filters/set)	MFRL727	9020010004
TOC reducing UV sterilizing lamp	UV-Y1	253250
Deaeration membrane module	DGF-1	253249
Air vent filter for storage tank	AVF-1	9020020001

Pretreatment cartridge (PWF-1)



Membrane filter (MFRL727)



Ion-exchange resin cartridge (CPC-N)
High purity cartridge (CPC-H)



Water Supply Unit (OWH10)



TOC reducing UV sterilizing lamp (UV-Y1) Deaeration membrane module (DGF-1)

