

**WGH200**



WGH200 produces High purity water (Resistivity 18Ω or more, Level JIS A4/ASTM D1193 Type1) continuously of both Deionized and Distilled water kept in a 30L storage tank.

Model
WGH200
Purified Water
Ion exchange water / Distilled water
Production of distilled water
1.8L/h
Collection Water
Distilled water: 0.9 L/min Ion exchange water: 1 L/min

- High purity water (Resistivity 18Ω or more, Level JIS A4/ASTM D1193 Type1) integrated system with Sterilizing UV lamp, Pretreatment cartridge, Ion exchange resin cartridge, High purity cartridge, Membrane filter 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		253136		
Model		WGH200		
System/ Performance	Treatment process	Distillation	Pretreatment -> Ion exchange -> Distillation -> Tank -> UV sterilizing -> Ion exchange -> High purity -> Filtration	
		Deionized	Pretreatment -> Ion exchange -> 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, High purity distilled water and Distilled water	
	Production of distilled water		Approx. 1.8L/hr.	
	Collection of distilled water		Approx. 0.9L/min.	
	Collection of deionized water		Approx. 1L/min.	
	Range of production		0.1 - 26L/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-S) 4L × 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		30L 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 <sup>2</sup> )	
	Power supply		100V AC , 15A	
	External dimension*1/weight		600 mmW×660 mmD×775 mmH, Approx. 75 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), 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		

Power plug is not provided.

\* 1 External dimensions excluding protrusions

■ 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 Ion exchange resin cartridge, High purity cartridge, Pretreatment cartridge can be easily attached and detached, facilitating maintenance work.

■ Water quality standard

Description	Measurements			
	JIS K0557 A4	ASTM D1193 Type1	WGH200	
			Deionized water	Distilled water
Conductivity (mS/m) at 25°C	0.1 or less	0.00555 or less	0.0055	< 0.00555
Total organic carbon (TOC)(mg/L)	0.05 or less	0.05 or less	4	0.02
Zinc (µg Zn/L)	0.1 or less	-	< 0.01	< 0.1
Silica (µg SiO2/L)	2.5 or less	-	< 1.0	< 0.1
Total silica (µg SiO2/L)	-	3 or less	-	0.21
Chloride ion (µg Cl-/L)	1 or less	1 or less	< 0.1	< 0.1
Sulfate ion (µg H2SO4/L)	1 or less	-	< 0.1	< 0.1
Natrium (µg Na/L)	-	1 or less	-	< 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
Connection unit (WL100+WG Series)	G	253668
Drain water trap	OWI10	253211
Water sampling stand	OWL40	253266
External alarm output terminal	OWG60	262780
Membrane filter (2pcs/set)	MFRL727	9020010004
Ion exchange resin cartridge	CPC-S	253080
High purity cartridge	CPC-H	CPCNS30011
Pretreatment cartridge	PWF-1	253099
Air vent filter for storage tank	AVF-1	9020020001
TOC measurement UV lamp	OWG28	253773

Pretreatment cartridge (PWF-1)



Membrane filter (MFRL727)



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



Water Supply Unit (OWH10)

