

## Water Purifiers | High purity, Washer-connectable

## WL200/220/220T

Made in Japan

Purifying method Ion-exchange

Purified water Deionized water

Specific resistivity 17M $\Omega$ -cm or higher

Water quality A3

**Economical, space-saving benchtop water purifier with direct tap-water connection.**

### Features

- Produces deionized water with simple direct connection to a faucet.
- Compact, benchtop, space-saving design.
- User-friendly digital display.
- Deionized water compliant with JIS K 0557 A3, suitable for trace analysis.
- Displays consumable replacement timing.
- Standard membrane filter included (WL200/WL220).
- A solenoid valve at the sampling port helps prevent leakage from the final membrane filter.
- WL220T is suitable for supplying pure water to the built-in water tank of constant temperature/humidity chambers.



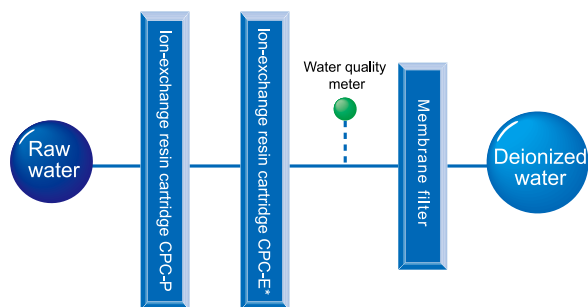
### Specifications

Model	WL200	WL220	WL220T
Water purification method	Ion-exchange (Controlled by key)		Ion-exchange (Manual)
Raw water supply	One touch coupler water connection resin hose		
Deionized water production	Approx. 1L/min. (Continuous production)		Approx. 1L/min. (by natural fall)
Ion-exchange resin cartridge	2L ion-exchange resin with activated carbon (CPC-P) × 1pc.	2L ion-exchange resin with activated carbon (CPC-P) × 1pc. 2L ion-exchange resin (CPC-E) × 1pc.	
Final filtration	0.1 $\mu$ m (Membrane filter)		-
Pure water tank	-		3L polyethylene tank
Water leakage detection	Solenoid valve forced shutdown of water supply by detecting water leakage		
Raw water pressure range	0.5 to 5×100kPa (0.5 to 5 kgf/cm <sup>2</sup> )		
Sampling port	250mm above floor RC1/4 (Membrane filter connection)		Φ9 nipple (Hose connection)
Safety device	Circuit breaker, Water leakage indicator, Pressure reducing valve, Water quality abnormal alarm		
Power supply (50/60Hz)	AC100~240V Single phase, 0.05A to 0.2A		
External dimensions *	W350×D350×H450mm		
Weight	Approx. 14kg	Approx. 16kg	Approx. 17kg
Water quality display	7 segments LED display (Conductivity / Resistivity)		
Other display	Display of consumables replacement (CPC-P and CPC-E: Should be replaced simultaneously to prevent degradation of water quality, Membrane filter), Alarm display (Water leakage alarm)		
Accessories	Raw water supply hose, Power cord (2m), Ion-exchange resin CPC-P (WL200 only), Ion-exchange resin CPC-P+CPC-E (WL220/WL220T), Membrane filter (WL200/220), Y-shaped water supply hose with strainer 4m (WL220T), Constant temperature and humidity chamber connection hose Φ9×Φ13 3m (WL220T), Hook (WL220T), Seal tape		

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

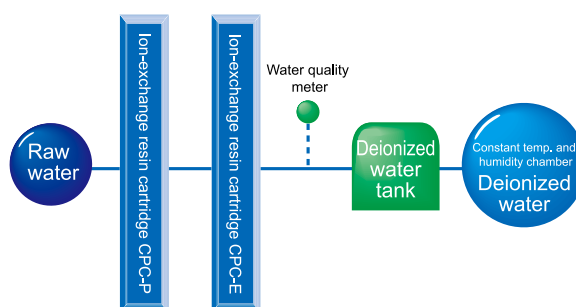
### Treatment Process

WL200/220



\*CPC-E only for WL220

WL220T



WL220T is a dedicated water purifier for supplying water to a constant temperature and humidity chamber. It does not have a water intake on the front.

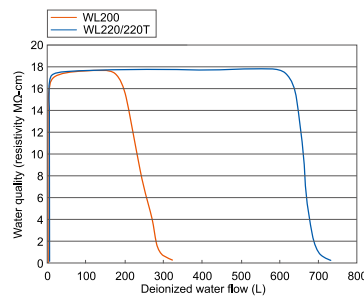
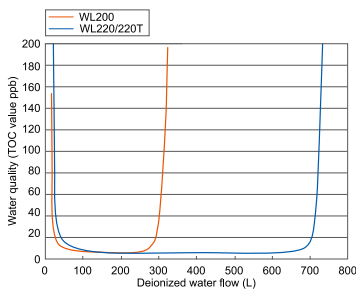
## Water Quality Analysis

Japanese Industrial Standard JIS K0557

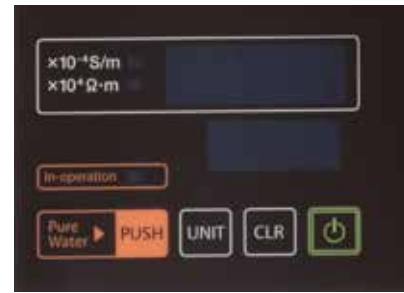
Item	JIS K 0557 A3	WL200		WL220	
		Measured Value	Level JIS K 0557	Measured Value	Level JIS K 0557
Electrical conductivity (mS/m)	<0.1	0.0055	A4	0.0055	A4
Organic carbon(TOC) (µgC/L)	<200	19.6	A4	19.0	A4
Zinc (µgZn/L)	<0.1	<0.1	A4	<0.1	A4
Silica (µg SiO <sub>2</sub> /l)	<5.0	<3	A3	<3	A3
Chloride ion (µCl/l)	<1	<0.5	A4	<0.5	A4
Sulfate ion (µg SO <sub>4</sub> <sup>2-</sup> /l)	<1	<1.0	A4	<1.0	A4
Total level	--		A3		A3

\*Quality of raw water may cause different results.

■ Ion exchange resin lifespan test (TOC value)    ■ Ion exchange resin lifespan test (resistivity value)



## Control Panel



WL220T has no PUSH key and POWER key

## Installation example



- Sterilizers 1
- Granulation and Spray Dryers 2
- Furnaces 3
- Ovens 4
- Incubators 5
- Plasma Equipment 6
- Water Purifiers 7**
- Baths 8
- Water Circulators 9
- Rotary Evaporators 10
- Stirrers & Shakers 11
- Options 12

## Structure



WL200



WL220T

## Optional Items

No.	Description	Model	Applicable model	Product Code
①	Water supply unit	OWH10	WL200/220/220T	253686
②	Raw water pressure reducing valve	OWG48	WL200/220/220T	253772
③	CPC-E connection set (CPC-E included)	OWL36	WL200	253261
④	*Pre-process cartridge connection set	OWL38	WL200/220	253267
⑤	*Water sampling stand with connection set	OWL40	WL200/220	253266
⑥	*External alarm output terminal	OWL42	WL200/220/220T	253268
⑦	*Remote water sampling function	OWL44	WL200/220	253269
⑧	Remote water sampling function with sampling switch	OWL46	WL200/220	253270
⑨	Input terminal for remote water sampling with solenoid valve	OWL48	WL220T	253272
⑩	Installation tray	OWL50	WL220T	253271
⑪	Power cord (4m)	OWL52	WL200/220	253273

\* Please specify when ordering main unit.



Water Supply Unit (OWH10)



Installation tray (OWL50) :  
Used when WL220T is placed on top of the constant temperature and humidity unit

## Consumable parts

No.	Description	Model	Product Code
①	Ion-exchange resin cartridge	CPC-P	253254
②	Ion-exchange resin cartridge	CPC-P+CPC-E	253262
③	Membrane filter×2pcs.	MFRL727	9020010004



CPC-P  
Ion-exchange resin cartridge



CPC-E  
Ion-exchange resin cartridge



Membrane filter