

Water Purifier (Ion-exchange)

WL200/220/220T

Purifying method Ion-exchange

Purified water Deionized water

Specific resistance 17MΩ·cm or more

Water quality A3

Economical, space saving benchtop water purifier which connects directly to tap water.

- Collecting deionized water is as simple as connecting to a faucet.
- Benchtop, space-saving design.
- Digital display for easy operation.
- Deionized water compliant with JIS K 0557 A3 level, suitable for trace analysis.
- Displays replacement of consumables.
- Standard equipped with membrane filter (WL200/220)
- A solenoid valve at the water sampling port prevents water leakage from final membrane filter.
- WL220T is suitable for supplying pure water to the water tank built into constant temp. and humidity chamber.



Specifications

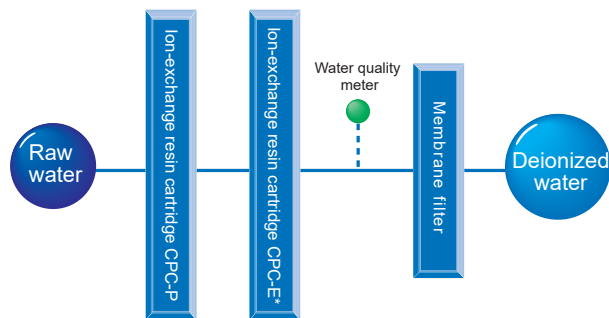
Product code	253627	253628	253629
Model	WL200	WL220	WL220T
Water purifying method	Ion-exchange (Controlled by key)		Ion-exchange (Manual)
Raw water supply	One touch coupler water connection resin hose		
Deionized water production	Approx. 1L/min. (Continuous production)		Approx. 1L/min. (by natural fall)
Ion-exchange resin cartridge	2L ion-exchange resin with activated carbon (CPC-P) x 1pc.	2L ion-exchange resin with activated carbon (CPC-P) x 1pc. 2L ion-exchange resin (CPC-E) x 1pc.	
Final filtration	0.1μm (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 5x100kPa (0.5 to 5 kgf/cm ²)		
Sampling port	250mm above floor RC1/4 (Membrane filter connection)		ø9 nipple (Hose connection)
Safety device	Circuit breaker, Water leakage indicator, Pressure reducing valve, Water quality abnormal alarm		
Power source (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 ø9xø13 3m (WL220T), Hook (WL220T), Seal tape		

* Protrusions not included.

The length of the power cord is about 2m outside the unit.

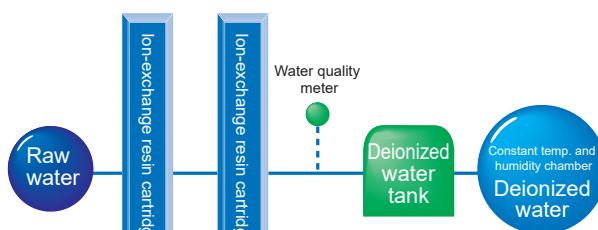
Treatment Process

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.

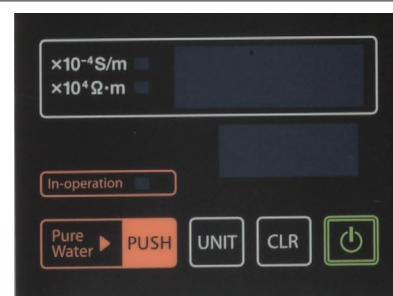
Water Quality Analysis

Japanese Industrial Standard JIS K 0557

Item	JIS K 0557 A3	WL200		WL220	
		Measured value	Level JIS K 0557	Measured value	Level JIS K 0557
Electrical conductivity (mS/cm)	<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 (µgSiO ₂ /L)	<5.0	<3	A3	<3	A3
Chloride ion (µgCl ⁻ /L)	<1	<0.5	A4	<0.5	A4
Sulfate ion (µgSO ₄ ²⁻ /L)	<1	<1.0	A4	<1.0	A4
Total level	--		A3		A3

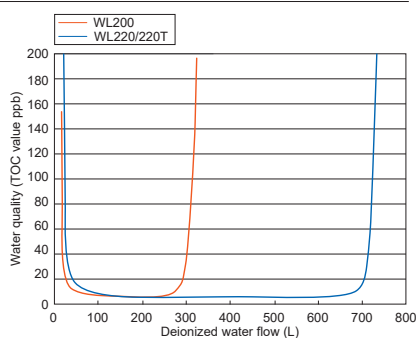
*Quality of raw water may cause different results.

Control Panel

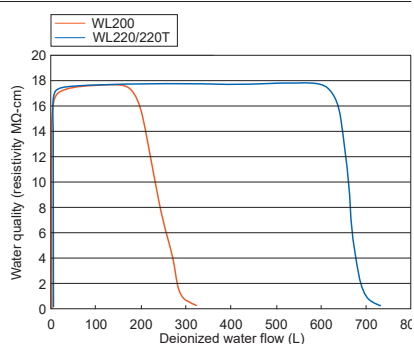


WL220T has no PUSH key and POWER key

Ion exchange resin lifespan test (TOC value)



Ion exchange resin lifespan test (resistivity value)



Installation example



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



⑩ Installation tray (OWL50) :
Used when WL220T is placed on
top of the constant temperature
and humidity unit

Structure



WL220

WL220T

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



① CPC-P
Ion-exchange resin cartridge



② CPC-E
Ion-exchange resin cartridge



③ Membrane filter