

Laboratory Washer (Fully-automatic, Large Capacity)

AW83Z

Washing Time
(Each Process)

Settable 1 to 99min

Washing Water
Temp.

Supplied water temp. ~80°C

- Two washing chambers
- Selectable three washing patterns
- Optional jet rack can easily remove dirt in the containers.
- Fixing rack and spinning jet nozzle can avoid container breakage.
- Washing with hot water is available through its built-in heater.
- Liquid detergent is automatically supplied from detergent container (powder detergent also available by adding powder in each time)



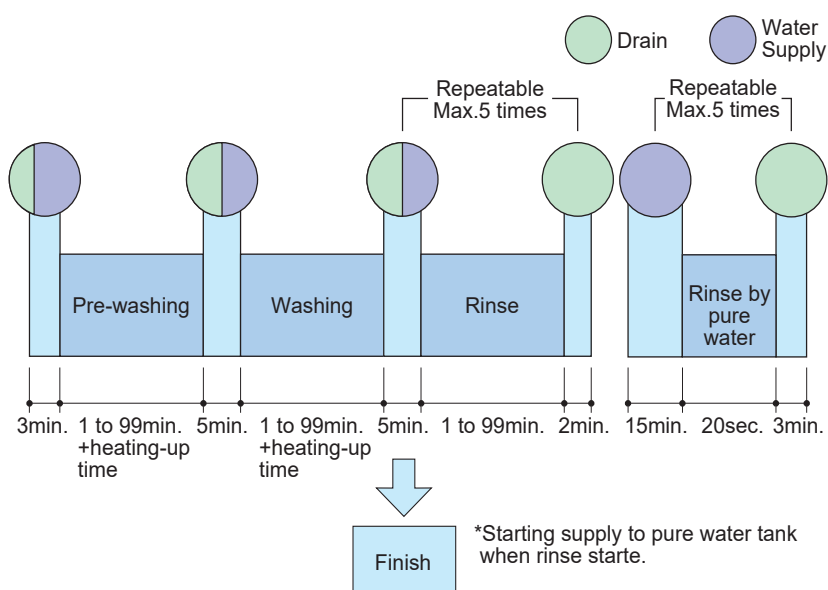
Specifications

Product code	200000	
Model	AW83Z	
Washing system	Two washing chambers	
	Pressure water jet system	Pressurized water is sprayed from two directions (top and bottom), Jet nozzle spinning Upper stage: Jet nozzle rotation, Lower stage: Fixed type (jet rack)
Washing pattern	Selectable three washing patterns *Final rinse is option	
	1. Pre-washing → Washing → Rinse → Final rinse*	
	2. Washing → Rinse → Final rinse*	
	3. Rinse → Final rinse*	
Washing time	Pre-washing, Washing, Rinse: settable 1 to 99min	
	Rinse: settable up to 5 times by batch system	
	Up to 5 rinses can be set up in batches. Pure water rinse (connected to optional pure water supply) Rinse by pure water 50L, settable up to 5 times, start to wash after reaching to the set water level, Timer count starts after reaching to the setting temp.	
Water supply temp.	Room temp. to 60°C	
Washing water temp.	Water supply temp. to 80°C	
	Same water temp. for pre-washing and washing, no water heat-up for rinse (pure water rinse)	
Liquid detergent supplying type	Automatic supply by pump (Adjustable supply amount)	
Liquid detergent tank capacity	2L	
Required water amount	Approx. 28L for each pre-wash, wash and rinse	
Hot water supply system	Heater (Built-in: 6kW) heat-up or connection to primary hot water supply	
Supply water pressure	0.1 to 0.3 MPa	
Container stand	Shelf board 2pcs. (Standard)	
Water supplying system	Solenoid valve Open/Close, water flow amount is fixed by flow switch	
Water drain system	Forced drain by pump	
Exterior material	Chrome-free electrogalvanized steel sheet, Baking finish	
Interior material	Stainless steel	
External dimensions*1	W860×D770×H1,795mm	
Inner chamber dimensions	W600×D630×H1,080mm	
Pump	Washing pump: AC200V Three phase 50/60Hz, 355W/560W	
	Drain Pump: AC200V Single phase, 45W	
Shelf board	550×550mm, max. load 245N (25kg)	
Weight	Approx. 220kg	
Power (50/60Hz)	AC220V/AC380V Three phase with step-down transformer	
Accessories	Water supply hose : 2m×1pc. (with coupler), Drain hose: 2m×1pc. (I.D.18mm)	
	Phosphorus-free detergent ×1kg, Measuring spoon (for 50ml)×1pc.	
	Test tube rack support stand×1pc., Hose clamp×1pc.	

*1 Do not include protrusions.

The length of the power cord is about 4m outside the unit.

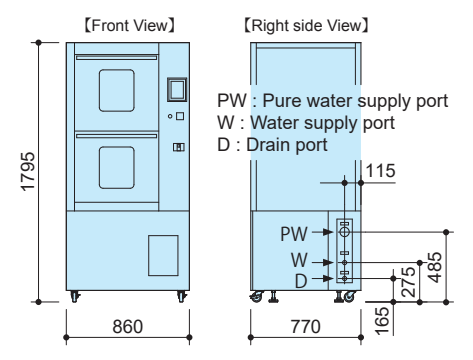
Sequence/Time Chart



Jet Nozzle



Dimensions (mm)



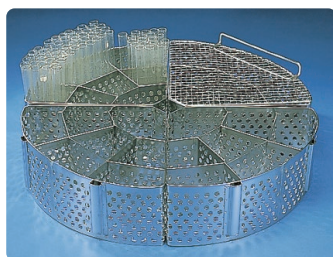
② Jet rack

Optional Items and Consumables

Product name	Description	Product code
① Pure water supplier	External dimensions: W420×D600×H1,065mm	291092
	Electric power for pump: 355W/560W (50/60Hz)	
	Pure water tank capacity: 50L	
	Ion exchange: mixed bed type, resin amount 10L (1,500L of water collection: Warning lamp lights up after 30 rinses of pure water)	
② Jet rack	44pcs. settable in case of 100mL volumetric flask	291093
③ Beaker rack	Approx. 85pcs. settable in case of 50ml beaker	291081
④ Test tube rack	Approx. 600ps. settable in case of ϕ 16.5mm test tube	291082
⑤ Test tube rack support stand	Main body accessories	281255
⑥ Flask rack	Approx. 68pcs. settable in case of 50ml flask	291083
⑦ Port position change	Supply and drain from right to left side (Please specify when ordering main unit)	281256
⑧ Detergent	Phosphorus-free detergent 8kg	8190026001
⑨ Ion-exchange resin cartridge	For pure water supplier	000821



③ Beaker rack



④ Test tube rack



⑥ Flask rack



⑧ Phosphorus-free detergent