Large Autoclave

Standard type

YYK500/750/800/900

Operating temp. range	Room temp. +10~70°C	Max. operating pressure	0.9MPa	Internal dimension	YYK500 ø500×850mm	YYK750 ø750×1100mm	YYK800 ø800×1100mm	YYK900 ø900×1300mm

Used to remove residual air bubbles after affixing polarizer in LED production.

■ Operation and features

● No temperature overshoot, precision temperature uniformity available
● 4 step working procedures:
   (1) Preheat: temperature rising, no pressurizing
   (2) Pressurizing: holding temperature, pressurizing
   (3) Deaeration: holding temperature, deaerating
   (4) End: temperature cooling, pressure dropping
● Adjustable air suction and exhaust speed
● Customized chamber dimensions

■ Safety features

● Door open / close detection, door lock / unlock detection, higher pressure alarm, air inlet pressure detection, safety valve, independent overheat protector, ELB to prevent over-current

■ Specifications

Model	YYK500	YYK750	YYK800	YYK900
Method	Heating + pressurizing			
Specifications	Class-1 pressure container (AQSIQ pressure container verification)			
Operating temp. range	Room temp. 10~70°C			
Operating pressure range	0.101~0.9MPa			
Temp. distribution accuracy	±3°C (at 50°C)			
Max. temp. reaching time	Within 15min (adjustable)			
Max. pressure reaching time	Within 20min (adjustable)			
Internal dimension (effective)	ø500mm×850Lmm	ø750mm×1100Lmm	ø 800mm×1100Lmm	ø900mm×1300Lmm
Material	SUS304 stainless steel, internal polishing			
Max. operating pressure	0.9MPa			
Hydraulic test pressure	1.35MPa			
Medium	Dry air (pressure: working pressure +0.05MPa or higher)			
Opening / closing system	Manual clutch easy to operate			
Pressurizing system	Controlled by pressure controller			
Heating system	PID control			
Stirring system	Stirred by centrifugal fan (Water-Cooling is not required for shaft seal, free-maintenance)			
Control system	PLC control			
Pressure gauge	Pressure range: 0 to 1.0MPa, accuracy: ±1% (with upper limit alarm contact)			
Temp. controller	Digital setting and display, PID control			
Pressure controller	Digital setting and display, ON/OFF control			
Working timer	Time range: 99 hr 59min, Digital setting and display,			
Temp. sensor output	5 groups of K thermocouple output terminals			
Safety features	Door open / close detection, door lock / unlock detection, higher pressure alarm, air inlet pressure detection, safety valve, motor overheating protection, independent overheat protector, ELB to prevent over-current			
External dimensions (W×D×Hmm)	1000×1656×1546	1200×1957×1781	1250×2057×1806	1400×1950×2232
Air suction port	15A (internally equipped with air filter and oil mist separator)			
Air exhaust port	20A (manual and auto exhaust, equipped with silencer)			
Power source (50/60Hz) rated current	3 phase AC380V 7A	3 phase AC380V 8A	3 phase AC380V 9A	3 phase AC380V 12A
Weight	~700kg	~900kg	~1000kg	~1300kg