

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 |