

Pressure Defoaming Machine | Standard type

YYK500/750/800/900

Temp. control RT +10 ~ 70°C Max. working pressure 0.6MPa

Internal dimensions Φ 500×850mm Φ 750×1100mm Φ 800×1100mm Φ 900×1300mm

A safe and easy-to-operate pressure defoaming machine which can be used to remove residual air bubbles after the polarizing plate is attached in the LCD screen manufacturing process.



Features

- No temperature overshoot, perfect temperature uniformity.
- 4-step work process:
 - ① Preheating: Temperature rises, no pressure
 - ② Pressurization: Temperature maintains, pressure increases
 - ③ Defoaming: Temperature maintains, defoaming
 - ④ End: Temperature decreases, pressure decreases
- Adjustable air inlet and exhaust speed.
- Chambers of any size can be custom-made according to customer requirements.

Safety

- Door open/close detection, door lock/unlock detection, high pressure alarm, air pressure detection, safety valve, independent overheating prevention device, overcurrent leakage protection switch, etc.

Specifications

Model	YYK500	YYK750	YYK800	YYK900	
System	Heating + pressurization				
Specifications	Level 1 pressure vessel (General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China Pressure Vessel Certification)				
Performance	Operating temperature range	Room temp. +10 ~ 70°C			
	Operating pressure range	0.101 ~ 0.6MPa			
	Temp. distribution accuracy	±3°C (at 50°C)			
	Max. temp. reaching time	Within 15 min (adjustable)			
	Maximum pressure reach time	Within 20 min (adjustable)			
Chamber	Internal dimensions (effective internal dimensions)	Φ 500mm×850mm	Φ 750mm×1100mm	Φ 800mm×1100mm	Φ 900mm×1300mm
	Material	SUS304 stainless steel, internal grinding treatment			
	Design pressure	0.8MPa			
	Hydraulic test pressure	1.0MPa			
	Medium	Dry and oil-free air (pressure: working pressure +0.05MPa or higher)			
	Door open/close system	Easy-to-operate manual clutch			
	Pressurization system	Pressure regulator control			
Control	Heating system	PID control			
	Stirring system	Centrifugal fan blade stirring (no water-cooled shaft seal required, maintenance-free)			
	Control system	PLC control			
	Pressure gages	Pressure range: 0 to 1.0Mpa, Accuracy: ±1% (with upper limit alarm contact)			
	Temperature regulator	Digital setting and display, PID control			
	Pressure regulator	Digital setting and display, ON/OFF control			
	Working timer	Time range: 99 h 59 min, digital setting and display			
Temperature sensor output	5 sets of K-type thermocouple output terminals				
Safety device	Door open/close detection, door lock/unlock detection, high-pressure safety device, low air pressure detection, spring full-open safety valve, motor overheat protection, independent overheating protection device, overcurrent leakage protection switch				
Specifications	External dimensions (width x depth x height mm)	1000×1656×1546	1200×1957×1781	1250×2057×1806	1400×1950×2232
	Air inlet interface	15A (with internal air filter, oil-mist separator installed)			
	Exhaust interface	20A (manual exhaust and automatic exhaust, equipped with a silencer)			
	Power supply (50/60Hz) rated current	3-phase AC380V 7A	3-phase AC380V 8A	3-phase AC380V 9A	3-phase AC380V 12A
	Weight	Approx. 700kg	Approx. 900kg	Approx. 1000kg	Approx. 1300kg

Forced convection

Natural convection

Fine

Options

For labware

Explosion-proof

Far infrared heating

Anaerobic

Clean

Vacuum

Semiconductor & electronics

Battery

Flat panel display

Others