



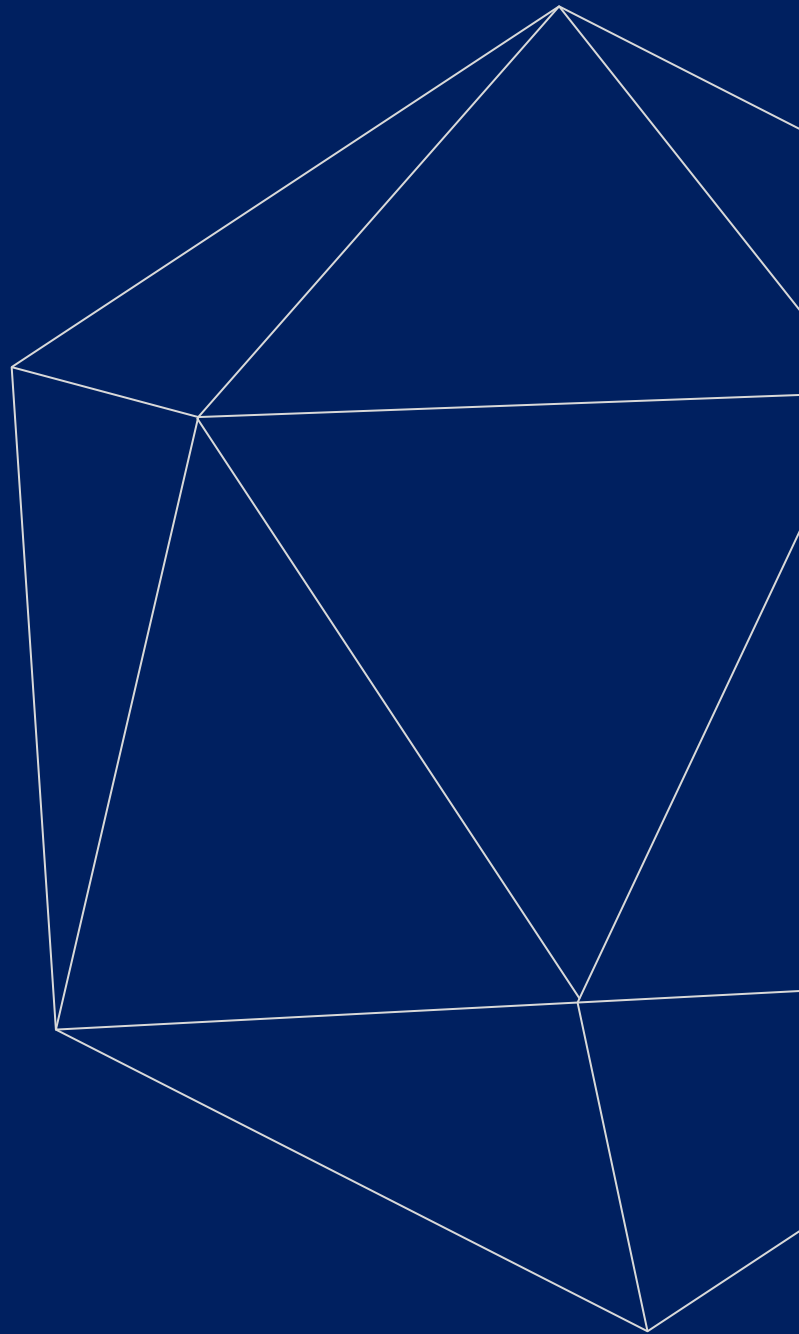
LABORATORY LINES

CHAMBERS



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Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



Climate Simulation Chamber

Model Series YR05347 // YR05349



Product Description

Simulate the day and night light changes and climate conditions, to meet the multi segment ladder programming controlled; can be long-term culture experiment.

Suitable for biological tissue, cells culture, plant culture, small animals and insects feeding to use.

Product Introduction

- ✓ World famous compressor: balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.
- ✓ Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevent frost because of continuous operation of evaporator.
- ✓ Refrigeration effect manual control system: meet customer's terrible work environment.
- ✓ Imported DuPont SUVA R134 an environmental refrigerant. For cleaner world, for better work condition.
- ✓ To save energy, to reduce the cost.

ALLFLOW Perfect Air Current Cycling

- ✓ ALLFLOW air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
- ✓ ALLFLOW air current cycling: keep temperature continuous and stable, keep humidity continuous and stable, ensure perfect sample culture environment.

ALLSENS Programmable PID Control :

- ✓ Integrated, dot-matrix LCD display, Chinese and English subtitles, design for the highest operational comfort.
- ✓ Display parameters: temperature, humidity, cycle, run time, run/stop.
- ✓ Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- ✓ User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- ✓ Programmable multi-sections control, to meet customer needs, temperature and humidity control up to 30 sets. Time setting: 0-99h, 0-9999m, programs can be executed automatically cycles.
- ✓ Set operations with beep tips



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Efficient Isolation Design

- ✓ Design of double-layer isolation, reduce power consumption, environmental protection concept, energy conservation.
- ✓ Internal isolated door design, easy observation of working room samples, keep temperature stability of working room.°C

Excellent Imported Sensor

- ✓ Imported industrial sensor PT100, short response time, low self-heating temperature.
- ✓ Imported humidity sensor, aerospace material, no maintenance, precision humidity control level.

ALLGENT Humidification System

- ✓ Original design of humidification system, prevent disadvantages (non-uniformity, instability) of traditional atomizer design.
- ✓ Automatic water intake, automatic water level control, ensure the precision of humidity control.
- ✓ Stainless steel SUS304 internal surface and water tank, ensure the quality of atomization and uses persistent.



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Climate Simulation Chamber

Model Series YR05347 // YR05349



Pro-Bright™ Professional Lighting Systems

- ✓ Equipped with specially design Pro-Bright™ light system in the chamber that can simulate daytime and nighttime natural light, to meet specific lighting conditions.
- ✓ Effective compensation of the heat generated by the light, through a sophisticated control system to ensure that the temperature is constant.
- ✓ Three-dimensional light source, evenly distributed lighting, use the stainless-steel mirror as reflective material to make the lighting better, at the same time lighting degree can be adjust.
- ✓ Better lighting systems, tube and the chamber are effectively insulated by double glazing and a ventilation hole cooling.
- ✓ With ALLIGENT™ humidification system (only for the Climate Simulation Chamber), provide the product a variety of climate simulations..

Ergonomic Design

- ✓ Laboratory of classical color design, international fashion design, arc-shaped design, for highest operational comfort.
- ✓ Integrated design that contains original outside handle and LCD screen, ergonomic structure, comfortable viewing angle, convenient to open the outside door and operate interface.
- ✓ Interval and number of mesh shelf can be adjusted according to customer requirements. Maximum capacity to meet customer needs.
- ✓ Comfortable vertical structure, maximize work chamber, working room in the upper, convenient to take.
- ✓ Double door design, easy observation samples, keep temperature stability, with bell-type lighting system.

Modern Manufacturing Processes

- ✓ Sheet metal parts use laser cutting and CNC bending technology. Cold-rolled sheets use three line of acidification anti-rust technology. Incubator surface use workmanship of spraying plastics.

Easy to Clean

- ✓ Internal surface is smooth and less weld, easy cleaning and maintenance.
- ✓ Pull multilayer shelf design, less metal accessories, easy to clean.
- ✓ Drainage design of chamber humidification collecting tank. User can discharge water as required to avoid bacteria.



Convenient Maintenance

- ✓ Liquid crystal micro-computer controller with diagnostic function. Display operating parameters including historical record, temperature and humidity data.
- ✓ Electrical control components and working room are installed separately. installed behind incubator, easy to maintenance.

Secure and Efficient Protection Concept

- ✓ Multiple over temperature protection function, sound and light alarm.
- ✓ Automatic double over temperature protection function.
- ✓ All electronic components are UL certified.
- ✓ All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1



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Climate Simulation Chamber

Model Series YR05347 // YR05349



Technical Parameters

Product model	ALLIGENT-RG Climate Simulation Chamber		
	YR05347	YR05348	YR05349
Convection Mode	Forced Convection		
Control System	Thirty stages Microprocessor PID controller		
Temp. range	10~65°C(with lighting)/0~60°C(without lighting)		
Temp. Accuracy	0.1		
Temp. Fluctuation (10-40°C)	±1		
Temp. Uniformity (10-40°C)	±1		
Humidity Range	Humidity Range : 50~90%RH, Humidity Fluctuation : ±3%RH		
Illumination Range	0~15000 (five stages adjustable)		



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Climate Simulation Chamber

Model Series YR05347 // YR05349



Technical Parameters

Product model	ALLIGENT-RG Climate Simulation Chamber		
	YR05347	YR05348	YR05349
Timer Range	0~99 Hours, 0~9999 minutes, can be choose		
Working environment	Ambient temperature : 10~30°C, Humidity<70%		
Insulation materials	Imported environmental protection type material		
External Dimensions (H×W×D)	1780×710×775	1780×770×815	1828×783×905
Internal Dimensions (H×W×D)	1100×480×480	1100×540×520	1148×554×610
Interior Volume(L)	250	300	400
Interior steel materials	Interior steel materials		
Power Consumption (W)	1350	1350	1550
Power Supply	AC220V/50Hz		
Net Weight (KG)	162	183	194
Shipping Weight (KG)	172	198	214
Shipping Dimensions (H×W×D)	1965×800×900	1965×860×940	2017×880×1060



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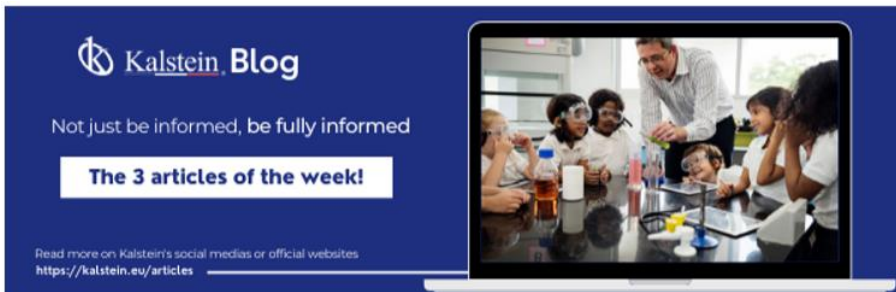
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