



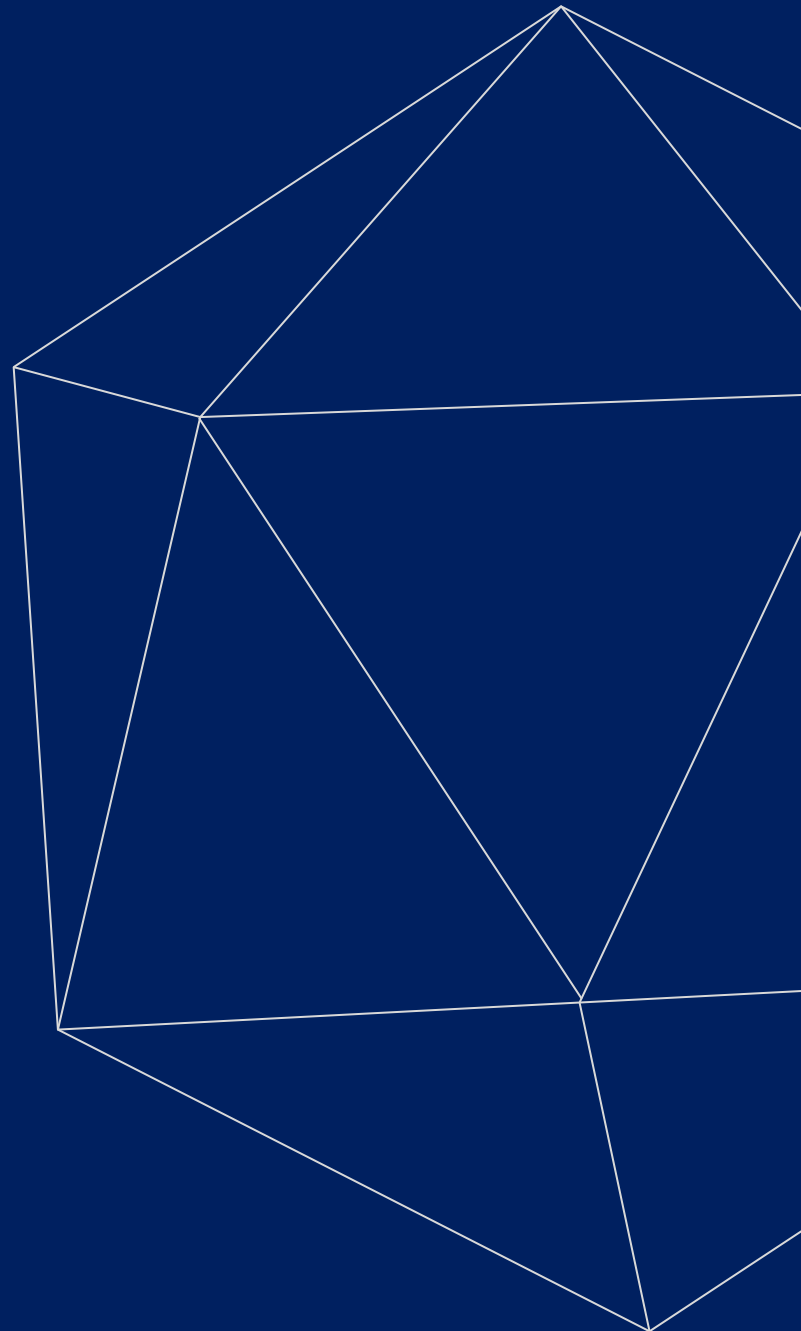
# LABORATORY SECTOR

## CLIMATIC CHAMBER



# Kalstein®

A different accompaniment, at your service





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A different accompaniment, at your service

OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



### Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



### Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



### #Letsgivemore

Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



### Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



### Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### 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.



**KALSTEIN® Climatic Chamber**  
**Plant Growth Chamber**  
**Model YR0LRH100PG // YR0LRH-1000PG**



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**KALSTEIN® Climatic Chamber**  
**Plant Growth Chamber**  
**Model YR0LRH100PG // YR0LRH-1000PG**



**Application:**

Plant growth chamber are widely used in plant research, commercial horticultural cultivation, plant source pharmaceutical and other bio pharmaceutical industries. It is suitable for plant culture, seed germination, tissue culture, algal reproduction, and the cultivation of small insects and Drosophila. It is the equipment that biotechnology companies, government departments and university research institutes often need to purchase

**Function and Features:**

- ✓ It has constant temperature and humidity and light setting, and can simulate the weather conditions of daylight illumination such as cloudy day and dark night, providing proper environmental factors for plant growth. ✓
- ✓ The temperature range, air flow size, humidity control and illumination can be adjusted by the control system, and can be programmed in sections according to different needs and different seasons. It is very suitable for 3-6 months of plant culture or longer running time. ✓
- ✓ Using fluorine-free R134 environment-friendly refrigerant, the system is more energy-saving and efficient, making the environment healthier. Balanced refrigeration, low temperature fluctuation, with automatic defrosting function, equipped with internationally famous brand compressor, with delay protection function, and stable operation. ✓
- ✓ The chamber is made of mirror stainless steel, and the shelf spacing and the number of shelves can be adjusted. The

humidification component adopts a built-in large capacity intelligent humidification system with an automatic water replenishment tank, which is convenient for use

The temperature control system adopts an LCD screen and programmable intelligent PID controller to keep the temperature and humidity accurate. It also has functions such as timing, over temperature alarm and data recovery after power failure.

The lighting direction of the chamber can be selected as required: the PG series is a laminate lighting type, and the gap and YR series are three sides lighting type. In addition, the air volume of the air flow can be controlled to avoid excessive air volume affecting the seedlings

The lamps on both sides of the chamber are separated by sealing glass. There is no need to interrupt the cultivation when replacing the lamps (only for gzp and pqh Series). Dismountable compressor it is convenient for regular cleaning.



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**KALSTEIN® Climatic Chamber**  
**Plant Growth Chamber**  
**Model YROLRH100PG // YROLRH-1000PG**



⊕ **Mirror stainless steel**  
 High temperature resistance, fire resistance, corrosion resistance, can be recycled



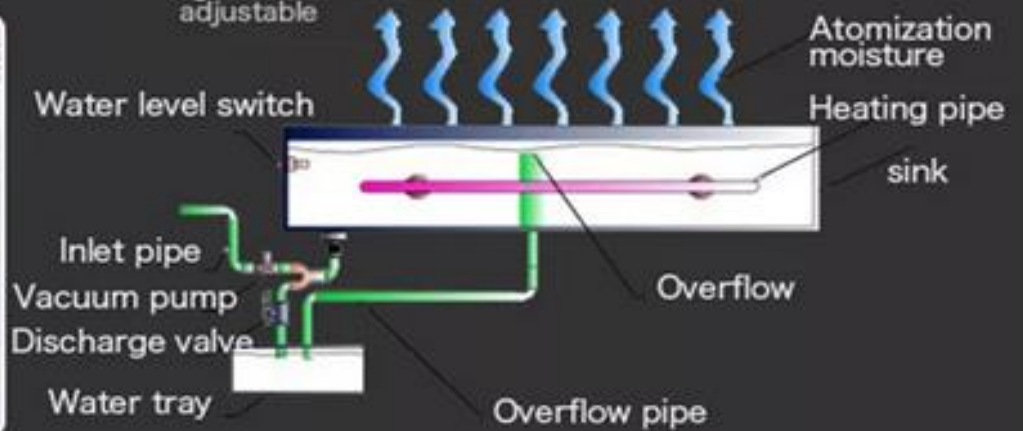
⊕ **Professional lighting system**  
 Using three-surface light source, use mirror stainless steel in the cavity as reflective material, so that the lighting effect is better, and the light source classification is adjustable



⊕ **Double door**  
 Internal toughened glass door, easy to observe, outer silicone seal ring, good sealing



⊕ **silicone sealing ring**  
 High quality silicone seals, high temperature, good sealing



⊕ **ALLIGENT™ Humidifying system**  
 Original Humidification Design, Automatic Water Filling Design, Automatic Water Level Control, Precise Addition and Control of Humidity, SUS304 Stainless Steel in the Inner Chamber and Water Tank, Guaranteed Atomization Quality and Persistence



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**KALSTEIN® Climatic Chamber**  
**Plant Growth Chamber**  
**Model YR0LRH100PG // YR0LRH-1000PG**



⬆ Fluorine-free balanced refrigeration system  
 Using fluorine-free R134 refrigerant, energy-saving and efficient, green, with inlet and outlet



⬆ switch  
 There is a power switch on the side, safe use of electricity



⬆ Cold rolled steel plate  
 Shell using environmentally friendly electrostatic treatment, high quality cold rolled steel plate



⬆ Lighting tube  
 High-intensity fluorescent lamp, adjustable in illuminance



⬆ Intelligent temperature controller  
 Intelligent LCD temperature controller, intuitive display, stable measurement and control, easy to operate



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**KALSTEIN® Climatic Chamber**  
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Printer



Communication interface software



socket



Test hole



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# KALSTEIN® Climatic Chamber

## Plant Growth Chamber

Model YR0LRH100PG // YR0LRH-1000PG



### Specification:

name	Plant growth chamber (shelves type)					
<b>Model</b>	YR0LRH-100PG	YR0LRH-150PG	YR0LRH-250PG	YR0LRH-350PG	YR0LRH-800PG	YR0LRH-1000PG
<b>Interior (mm) H·W·D</b>	580×450×380 (100l)	800×500×380 (150l)	1000×550×450 (250l)	1000×580×600 (350l)	1200×1050×650 (800l)	1200×1200×700 (1000l)
<b>volume (L)</b>	100	150	250	350	800	1000
<b>Voltage (V)</b>	220			220	220	220
<b>Power (KW)</b>	0.9	1.2	1.5	2.0	3.7	4.5
<b>Timer</b>	0~999min					
<b>Temp.range (°C)</b>	0~65			0-65	0-65	0-65
<b>Shelf with lights</b>	1pcs	2pcs	2pcs	2pcs	4pcs	4pcs
<b>LUX</b>	≥5000LX					
<b>Humidity</b>	40%~95%			40%~95%	40%~95%	40%~95%
<b>Humi fluctuation (%)</b>	±3			±3	±3	±3
<b>accuracy (°C)</b>	±0.1			±0.1	±0.1	±0.1
<b>fluctuation (%)</b>	±0.5			±0.5	±0.5	±0.5



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## KALSTEIN® Climatic Chamber Plant Growth Chamber Model YR0LRH100PG // YR0LRH-1000PG



### 2 Slides + Door Lights:

<b>Name</b>	Plant growth chamber (2 sides+door lighting)				
<b>Model</b>	YR0GZP-150PG	YR0GZP-250PG	YR0GZP-350PG	YR0GZP-800PG	YR0GZP-1000PG
<b>Interior (mm)</b>	800×500× 380 (150L)	1000×550× 450 (250L)	1000×580× 600 (350L)	1200×1050× 650 (800L)	1200×1200× 700 (1000L)
<b>Volume (L)</b>	150	250	350	800	1000
<b>Voltage (V)</b>	220			220	220
<b>Power (KW)</b>	0.9	1.0	1.2	2.8	3.6
<b>timer</b>	0~9999min				
<b>Temp.range (°C)</b>	0~65			0-65	0-65
<b>shelf</b>	2pcs			4pcs	
<b>LUX</b>	10000LX	15000LX	15000LX	15000LX	15000LX
<b>accuracy (°C)</b>	±0.1			±0.1	±0.1
<b>fluctuation (%)</b>	±0.5			±0.5	±0.5



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**KALSTEIN® Climatic Chamber**  
**Plant Growth Chamber**  
**Model YR0LRH100PG // YR0LRH-1000PG**



<b>Name</b>	Plant growth chamber (2 sides+door lighting) with humidity				
<b>name</b>	YROPQH-150PG	YROPQH-250PG	YROPQH-350PG	YROPQH-800PG	YROPQH-1000PG
<b>interior (mm)</b>	800×500× 380 (150l)	1000×550× 450 (250l)	1000×580× 600 (350l)	1200x1050x 650 (800l)	1200x1200x 700 (1000l)
<b>Volume (L)</b>	150	250	350	800	1000
<b>Voltage (V)</b>	220			220	220
<b>Power (KW)</b>	1.3	1.5	1.8	3.5	4.3
<b>timer</b>	0~9999min				
<b>Temp.range (°C)</b>	0~65			0-65	0-65
<b>shelf</b>	2 shelves			4 shelves	
<b>LUX</b>	10000LX	15000LX	15000LX	15000LX	15000LX
<b>Humidity accuracy (°C)</b>	40%~95%			40%~95%	40%~95%
<b>fluctuation (%)</b>	±3			±3	±3
<b>Temp.accuracy (°C)</b>	±0.1			±0.1	±0.1
<b>fluctuation (%)</b>	±0.5			±0.5	±0.5



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OF A KALSTEIN  
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**Kalstein Blog**  
Not just be informed, be fully informed

**The 3 articles of the week!**

Read more on Kalstein's social medias or official websites  
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**1**  
Read this ARTICLE NOW

**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring small objects. This is achieved through the use of lenses or a system of mirrors that collect and focus light from the object being observed.

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
Read this ARTICLE NOW

**What is the importance of the laboratory refrigerator?**

Refrigerator is a device that is one of the most common equipment that is used to maintain, in a controlled environment (refrigerated space), various fluids and substances.

**Kalstein Blog**

**Article of the week:**  
What is the importance of the laboratory refrigerator?

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