



# LABORATORY SECTOR

## AUTOCLAVE



**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® Autoclave**  
**Laboratory Autoclave**  
**Model YR02545D**



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**KALSTEIN® Autoclave**  
**Laboratory Autoclave**  
**Model YR02545D**



**Main Features:**

**Independent steam generator**

Fast generation of fully saturated steam to ensure efficient sterilization

**Pulsating vacuum system**

Ensures effective removal of cold air inside the chamber as well as air bubbles in solid instruments, porous instruments and wastes, so that the steam can completely penetrate the interior of the object to achieve an effectively sterilization.

**Multi protection**

Equipped with mechanical and electronic safety mechanisms for pressure & temperature overload protection and safety door locking system.

**Media temperature sensor**

Equipped with a special media temperature sensor for liquid sterilization. The media sensor is inserted into the liquid to accurately and effectively monitor the temperature of the liquid, so as to achieve effective sterilization.

**Fresh water and waste water tank**

Built-in fresh water tank and waste water tank, no need to add fresh water or drain waste water in each cycle.

**Drying**

All sterilization programs include a drying phase, the drying time is programmable. There is also an additional separate drying program that dries items independently.

**User - defined program**

Sterilization temperature, pulsating vacuum times, sterilization time and drying time can be user-defined, not only to meet the sterilization of instruments, glasses, liquids, culture media, etc., but also to maintain the temperature after sterilizing process.

**Documentation**

Equipped with an internal memory able to store 10000+ cycles, and the cycle reports can be automatically saved via the USB driver or simply printed on thermal paper as soon as cycle ends.



**Model YR02545D**



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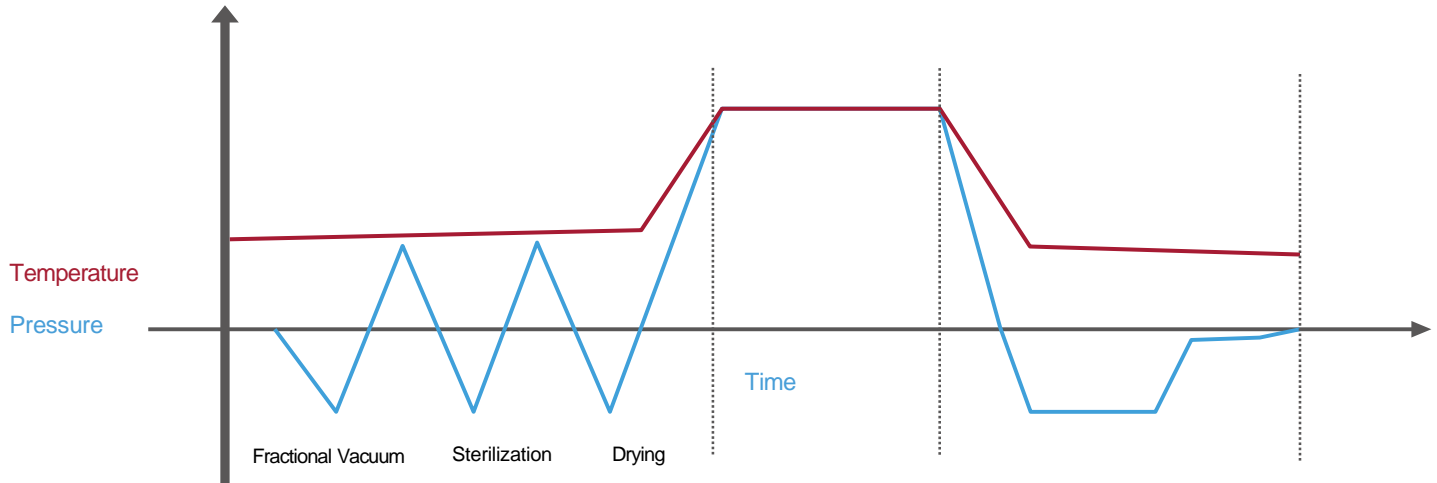
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**Program:**

Programs	Vacuum times	Sterilizing Temperatures / Time		Drying Temperature /Time
Liquid 1	1	105-134°C	/ 1-99min	45-60 °C / 0-30min
Liquid 2	1	105-134°C	/ 1-99min	45-60 °C / 0-30min
Instruments 1	1-3	105-134°C	/ 1-99min	45-60 °C / 0-30min
Instruments 2	1-3	105-134°C	/ 1-99min	45-60 °C / 0-30min
Waste 1	1-3	105-134°C	/ 1-99min	45-60 °C / 0-30min
Waste 2	1-3	105-134°C	/ 1-99min	45-60 °C / 0-30min
Agar	1	105-134°C	/ 1-99min	45-60 °C / 0-30min
Dry	0	/		no limited
B&D/Helix	3	3.5min		15min
Vacuum test	3	3.5min		/

**Sterilization of Instruments**



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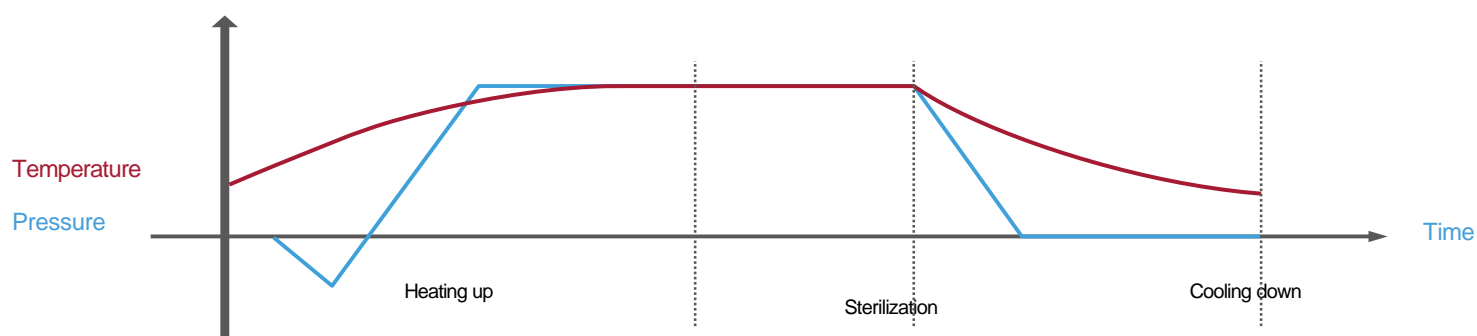
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### How to Choose the Program:

Sterilization material	Program	Vacuum times
Wrapped instruments	Instrument	3
Unwrapped instruments	Instrument	1
Glass	Instrument	1
Porous material	Instrument	2 or 3
Textile	Instrument	3
Plastic & Rubber	Instrument	3
Liquid	Liquid	1
Culture medium	Liquid	1
Lab solid waste	Waste	3
Lab liquid waste	Waste	1
Agar	Agar	1

### Sterilization of liquid with media sensor



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## KALSTEIN® Autoclave Laboratory Autoclave Model YR02545D



Model : **YR02545D**

### Parameter:

Chamber Dimension:  $\Phi 250\text{mm} \times 450\text{mm}$  Voltage:  
220v/110v, 50Hz/60Hz  
Power: 1750w  
Max sterilization temperature: 134 °C Net  
Weight: 53kg  
Product dimension(W\*H\*D): 490\*455\*690mm



### Max Loading Capacity:

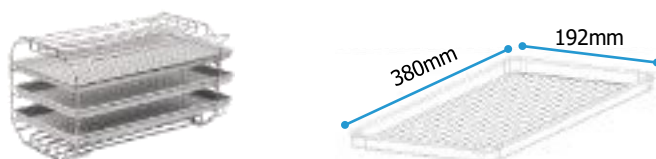
250ml bottles : x10;

500ml bottles : x 8;

1 rack with 3 trays:



### Dimension of tray



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**Kalstein Blog**  
Not just be informed, be fully informed

**The 3 articles of the week!**

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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 a series of lenses that focus light on 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 pieces of 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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