



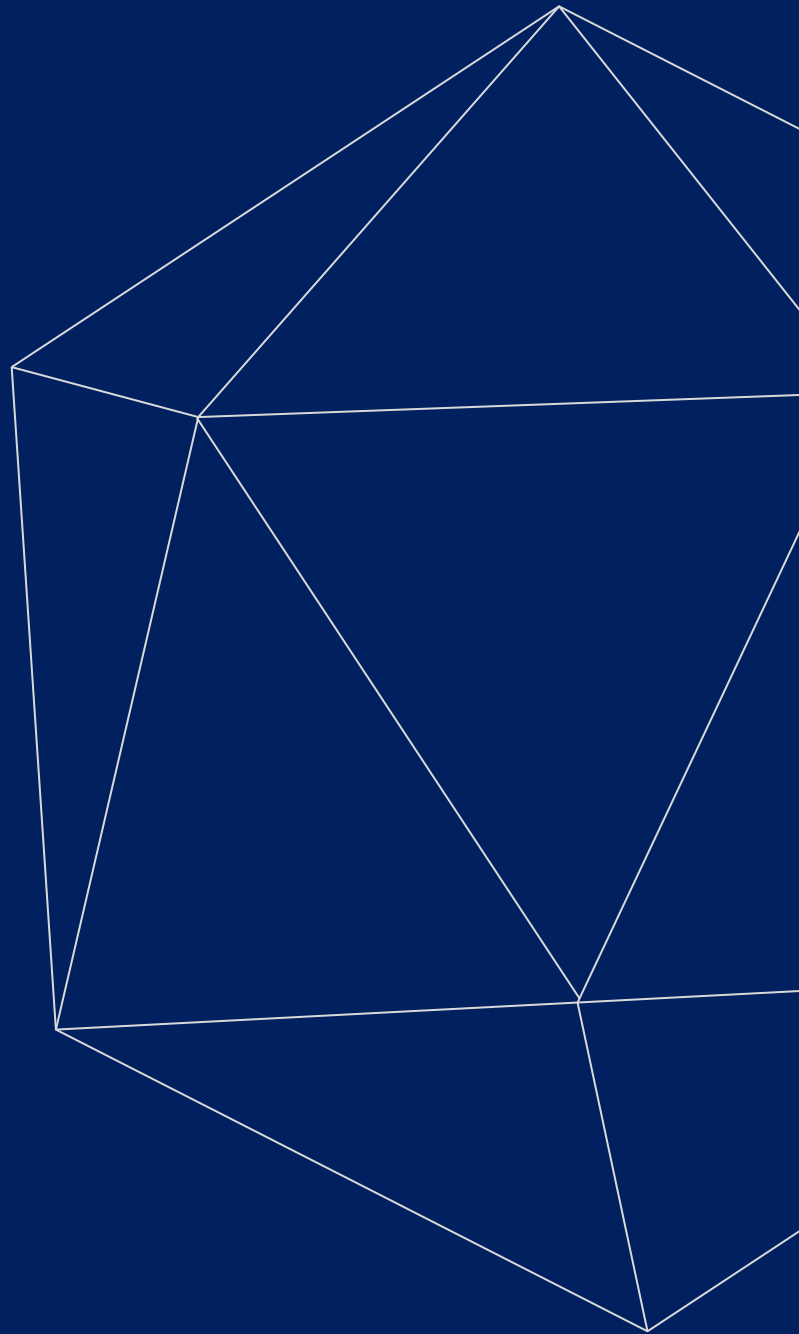
# LABORATORY SECTOR

## AUTOCLAVE



**Kalstein**®

A different accompaniment, at your service





# Kalstein®

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**  
**Automatic Vertical Sliding Door Rapid Cooling Culture Medium Sterilize**  
**Model YR0600HSM**



**#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.



All rights reserved © KALSTEIN France S. A. S.,  
2 Rue Jean Lantier • 75001 Paris •  
+33 1 78 95 87 89 / +33 6 80 76 07 10 •  
<https://kalstein.eu>  
**KALSTEIN FRANCE, S. A. S**



## KALSTEIN® Autoclave

Automatic Vertical Sliding Door Rapid Cooling Culture Medium Sterilize

Model YR0600HSM



### Product Description:

YR0600HSM series culture medium sterilizer adopts steam and air mixed gas as sterilization medium, widely used in pharmaceutical, biological engineering, scientific research and other fields, mainly for pre-potting syringe, soft bag, plastic bottle packaging liquid, culture medium, tissue culture and other articles sterilization treatment.

### Product Description:

- ✓ Vertical sliding door opening and closing structure, motor chain drives the door up and down vertical lift sliding open and close, without manual operation, saving space occupation.
- ✓ Triple security interlock door: pressure safety interlock, mechanical safety interlock, liquid program with temperature safety interlock.
- ✓ Pneumatic pressure-driven sealing ring for automatic sealing, a new high-quality high tear resistant silicone rubber circular door sealing ring, a specially coated surface, wear-resistant and smooth, with better sealing effect and longer service life, up to 2000 cycles.
- ✓ The main structure is rectangular section, European ring reinforcement jacket without flange structure. The sealing groove is welded directly on the ring jacket at both ends.
- ✓ The material of the inner chamber and door are made of AISI 316L, the jacket material is AISI 304, and the built-in steam generator material is AISI 316L. The inner surface of the chamber, door and evaporator is mechanically polished and electrolytic ally polished, and the surface roughness is less than or equal to 0.4.
- ✓ Control system: Imported Siemens programmable controller PLC and color touch screen, the whole process automatic program control, automatic display running process status, temperature, pressure, FO value, time and other parameters.
- ✓ A circulating fan is installed on the top of the inner chamber to ensure that the air and steam in the inner chamber are fully mixed in the heating sterilization and cooling stage to avoid the delamination of air and steam and ensure the temperature uniformity of the inner chamber.
- ✓ Equipped with culture medium, pre-potting syringe, instrument, custom program and other sterilization programs, sterilization control can choose three control methods: temperature time control, FO value control, temperature time and FO value compound control.



#Letsgivingmore ♥

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



All rights reserved © KALSTEIN France S. A. S.,  
2 Rue Jean Lantier • 75001 Paris •  
+33 1 78 95 87 89 / +33 6 80 76 07 10 •  
<https://kalstein.eu>  
KALSTEIN FRANCE, S. A. S



## KALSTEIN® Autoclave

### Automatic Vertical Sliding Door Rapid Cooling Culture Medium Sterilize

#### Model YR0600HSM



- ✓ Configure a paperless recorder by printing process data in real time using a built-in needle printer.
- ✓ Intelligent maintenance system: Equipped with MN cold iota remote monitoring and maintenance module, it connects a computer, tablet, or smartphone in real time and anywhere to access information about the device, including real-time and historical operation data, troubleshooting notifications, and remote software upgrades.
- ✓ Remote monitoring system: To realize remote monitoring and remote software upgrade of the equipment operation, PC/server via Ethernet connection for remote access.
- ✓ Piping system: Stainless steel sanitary piping connected by clamps, welds all welded by automatic tube welder. The material of the pipe connecting with the inner chamber is AISI 316L, and the others are AISI 304.
- ✓ The main control valve adopts imported German corner seat valve and Japanese SMC solenoid valve, equipped with German SPECK water ring vacuum pump.
- ✓ Rapid cooling system: Equipped with an inner chamber reverse pressure jacket rapid cooling system, the inner chamber into the clean compressed air, the jacket cycle cooling, can make the liquid temperature below the standard boiling point of 20°C in about 30 minutes.
- ✓ Air filter: The filtration accuracy is 0.22 microns, and the sterilization rate reaches 99.9997%.

#### Technical Parameters:

<b>Chamber design pressure</b>	-0.1/0.3MPa	<b>Accuracy of temperature</b>	<b>0. 1°C</b>
<b>Jacket design pressure</b>	0.3MPa	Accuracy of pressure	0. 1KPa
<b>Generator design pressure</b>	1.0 MPa	Sterilization temperature control accuracy	±0.2°C
<b>Design temperature</b>	150°C	Temperature uniformity	±0.5°C
<b>Max. operating temperature</b>	139°C	Chamber relief valve	0.28MPa
<b>Maximum operating pressure</b>	0.25MPa	Jacket relief valve	0.28 MPa

#### Product Parameters:

Model	Chamber Size (W*H*D)	Overall dimensions (L*W*H)	Weight (kg)	Steam consumption (kg/cycle)	Water consumption (kg/cycle)	Power
YR0600HSM	600L 652*690*1350mm	1400*1700*1950mm	1200	35	220	39 kw



#### #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.



All rights reserved © KALSTEIN France S. A. S.,  
2 Rue Jean Lantier • 75001 Paris •  
+33 1 78 95 87 89 / +33 6 80 76 07 10 •  
<https://kalstein.eu>  
KALSTEIN FRANCE, S. A. S





 **Kalstein**<sup>®</sup>  
A different accompaniment, at your service

#LETSGIVEMORE 

**WITH THE  
ACQUISITION  
OF A KALSTEIN  
EQUIPMENT**

YOU MAKE A CONTRIBUTION TO:

 **Fundación  
Jacinto Convit**  
<https://www.jacintoconvit.org/>

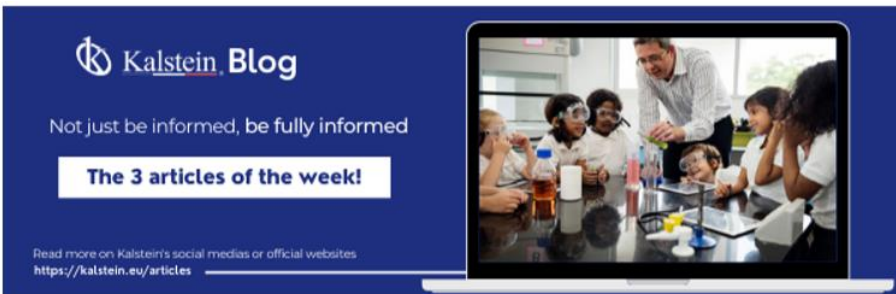
 **ONE  
TREE  
PLANTED**

<https://onetreepanted.org>

 **Humatem**  
Solidarité et coopération  
biomédicale  
<https://www.humatem.org/>

 **MANIAPURE  
FOUNDATION USA**  
<https://www.maniapurefoundation.org/>

**Articles Kalstein**  
(Social Networks and Official Websites)



**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  
<https://kalstein.eu/articles>



**1**  
Read this ARTICLE NOW  
**How does the climate affect your microscope?**  
microscopes in a laboratory are one of the most sensitive pieces of equipment that require to maintain in a controlled environment (refrigerated space), without fluctuations in humidity and temperature.  
**Kalstein Blog**  
**Article of the week:**  
How does the climate affect your microscope?  
Read more on Kalstein's social medias or official websites  
<https://kalstein.eu/articles>



**2**  
Read this ARTICLE NOW  
**What is the importance of the laboratory refrigerator?**  
Refrigerator in a laboratory is one of the most sensitive pieces of equipment that require to maintain in a controlled environment (refrigerated space), without fluctuations in humidity and temperature.  
**Kalstein Blog**  
**Article of the week:**  
What is the importance of the laboratory refrigerator?  
Read more on Kalstein's social medias or official websites  
<https://kalstein.eu/articles>

**Kalstein Training Videos**  
(Youtube Channel and Official Websites)



**Kalstein France - Jacinto Convit Foundation / Alliances**  
23 views • 3 years ago



**Kalstein's Microscopes**  
445 views • 1 week ago



PARIS - FRANCE  
**HEADQUARTER**  
2 Rue Jean Lantier  
75001 Paris - France

**Tlf:** +33 (0) 01 78 95 87 89  
**Cel:** +33 (0) 6 80 76 07 10  
[sales@kalstein.eu](mailto:sales@kalstein.eu)

<https://kalstein.eu/>  
<https://www.kalstein.fr/>

