



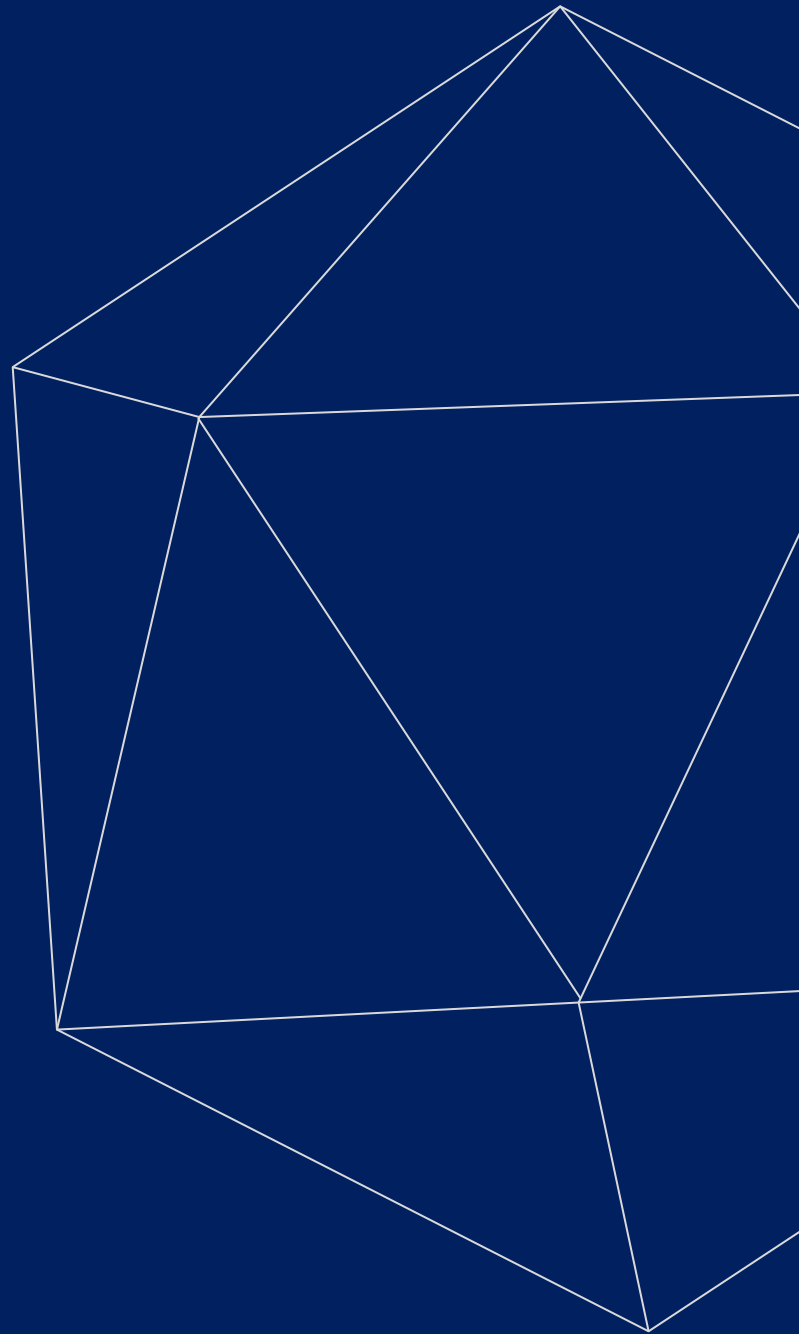
LABORATORY LINES

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.



Automatic Vertical Sliding Door Rapid Cooling Culture Medium Sterilizer

Model Series YR0HS250M

YRM 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.

Main Performance Features

- ✓ 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.
- ✓ Dual door passage type, dual door interlocking, with pressure safety interlocking, liquid program with temperature door safety interlocking.
- ✓ 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 electrolytically 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 procedures, sterilization control can choose three control methods: temperature time control, FO value control, temperature time and FO value compound control.
- ✓ Configure a paperless recorder by printing process data in real time using a built-in needle printer.
- ✓ Intelligent maintenance system: Equipped with MNCold iot 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.
- ✓ 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%.



#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



Automatic Vertical Sliding Door Rapid Cooling Culture Medium Sterilizer

Model Series YR0HS250M



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

| Model | Chamber Size (W•H•D) | Overall dimensions (L•W•H) | Weight (kg) | Steam consumption (kg/cycle) | Water consumption (kg/cycle) | Power |
|-----------|------------------------|----------------------------|-------------|------------------------------|------------------------------|-------|
| YR0HS250M | 250L 550*550*850mm | 1290*1200*1850mm | 750 | 16 | 120 | 22 kw |
| YR0HS300M | 300L 550*550*1000mm | 1360*1350*1800mm | 800 | 16 | 120 | 22 kw |
| YR0H4500M | 450L 550*680*1200mm | 1500*890*1880mm | 850 | 22 | 180 | 32 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**[®]
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/>

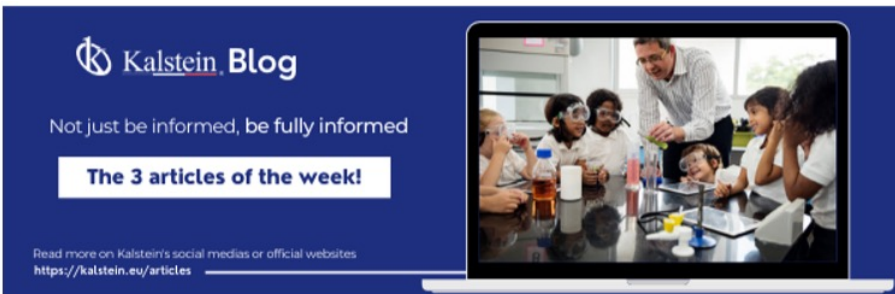
 **ONE
TREE
PLANTED**

<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?

microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses, which form

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

Kalstein Blog

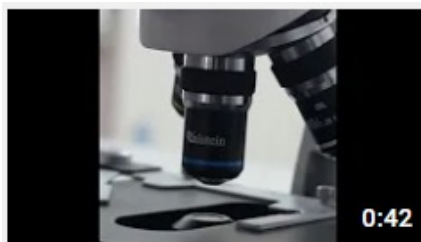
Article of the week:
What is the importance of the laboratory refrigerator?

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

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

