



# LABORATORY LINES

## AUTOCLAVES



**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.



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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 Fully Automatic Ethylene Oxide Sterilizer

Model YR05754 // YR05758

### Application

EO gas sterilizer takes 100% ethylene oxide (EO) gas as sterilization medium. It is mainly used to make sterilization for precise medical instrument, optical instrument, and medical electronic instrument, plastic and medical materials that cannot bear with high temperature and wet sterilization.

EO gas is one of the most efficient low temperature sterilization agents. It has advantage of wide-pedigree bacterium killing range, strong penetrability, no damage and pollution, easy and reliable chemical and biological monitoring method.



### Product Description

#### 1. SAFETY EO GAS PUNCTURE DEVICE

EO gas can automatically punctured by special device in the chamber, no need human intervention.

#### 2 EFFICIENT VENTILATION SYSTEM

Automatic pulse vacuum ventilation ensures EO gas exhaust thoroughly .

#### 3 FULL AUTOMATIC CONTROL SYSTEM

One button to control from start to end and finish automatically with printing record.

#### 4 DOOR INTERLOCK

The door cannot be opened while program is running.

#### 5. DISPLAY CONDITION

It shows temperature, humidity, pressure, sterilization time, residual gas handle time and frequency.

#### 6. STERILIZATION CHAMBER

The sterilization chamber adopts stainless steel 304 three-layer temperature control protection.

#### 7. DOOR

Double protective door, automatic vertical sliding door, safety interlocking door

#### 8. PRINTER

Print record for the sterilizing information of whole process, to prepare for verification.

#### 9. HUMIDITY SENSOR

Inner humidity sensor check chamber humidity automatically, ensures chamber humidity keep in stable level.



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## KALSTEIN® Autoclave

### Fully Automatic Ethylene Oxide Sterilizer

Model YR05754 // YR05758



#### Product Description

##### 10. PRESSURE SENSOR

Inner with pressure sensor to check chamber pressure automatically, ensure that the chamber pressure is accurate and effective.

##### 11. TEMPERATURE SENSOR

Inner with temperature sensor to check chamber temperature automatically, ensure the chamber temperature within precise range of  $50^{\circ}\text{C} \pm 5^{\circ}\text{C}$ .

##### 12. VACUUM SYSTEM

Adapting the oil free vacuum pump, simple and convenient, the vacuum speed is fast and the service life is long.

##### 13. NEGATIVE PRESSURE IN WHOLE CYCLE

Chamber pressure is always negative in whole cycle ensures EO gas no leakage to outside during working.

##### 14. HEATING SYSTEM

Adapting to anti-explosion electric heating device, more convenient and fast.

##### 15. VARIETY OF PROTECTIVE FUNCTION

It has over temperature protection function and residual gas automatic process system. While the errors happen it have sound alarm. When the whole sterilization finished, have sound reminder also. Leak detection function and safety automatic detection function.

##### 16. AUTOMATIC RECOVERY FUNCTION

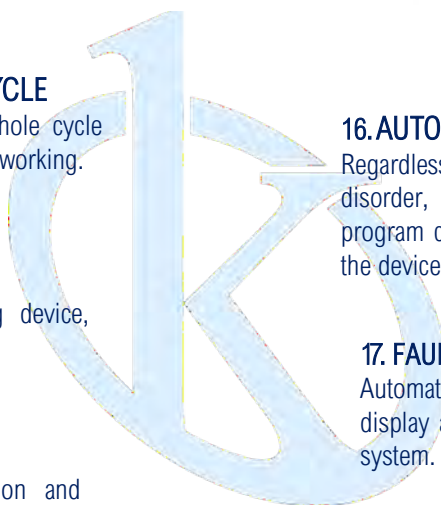
Regardless of power cut, outage, or the program disorder, it can determine the point of failure, the program can automatic recovery after power on and the device continue running.

##### 17. FAULT DIAGNOSIS

Automatic fault detection, fault code content display alarm, fault sound alarm and fault printing system.

##### 18. AIR INLET

The air inlet is provided with a sterile filter, which can effectively filter out bacteria and microorganisms and avoid the second time pollution when discharged.



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## KALSTEIN® Autoclave Fully Automatic Ethylene Oxide Sterilizer

Model YR05754 // YR05758



### Technical Specifications

| Model                     | YR05754                        | YR05755   | YR05756    | YR05757    | YR05758    |
|---------------------------|--------------------------------|-----------|------------|------------|------------|
| Door Type                 | Vertical sliding door          |           |            |            |            |
| Heating Method            | Electric uniform heating       |           |            |            |            |
| Sterilization Temperature | 50 °C ± 5 °C                   |           |            |            |            |
| Working Pressure          | -60 kpa                        |           |            |            |            |
| Sterilization Humidity    | 45-75%                         |           |            |            |            |
| Sterilization Agent       | EO gas                         |           |            |            |            |
| Chamber Material          | Stainless steel / Aluminium    |           |            |            |            |
| Shell Material            | Steel plate baking varnish     |           |            |            |            |
| Touch Screen              | 7 Inch                         |           |            |            |            |
| Control System            | PLC                            |           |            |            |            |
| Incubator                 | Constant temperature incubator |           |            |            |            |
| Power Supply              | 110-220V / 50-60Hz             |           |            |            |            |
| Capacity                  | 50L                            | 100L      | 168L       | 200L       | 300L       |
| Weight                    | 154                            | 170       | 210        | 230        | 298        |
| Package                   | 84*73*150                      | 84*84*178 | 88*120*185 | 122*90*188 | 125*92*196 |



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**Humatem**

Solidarité et coopération  
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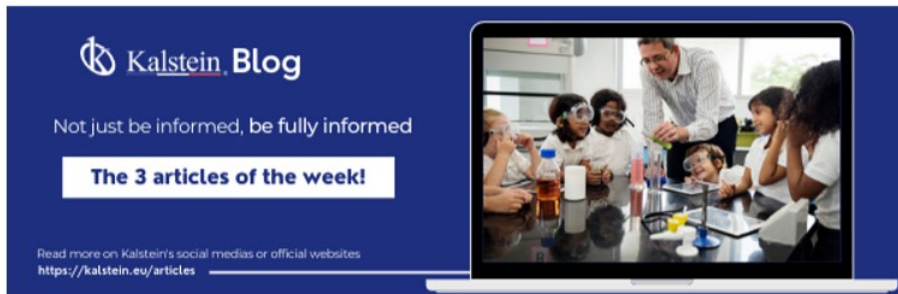
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**1**  
Read this ARTICLE NOW

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

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

**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 laboratory equipment. Its purpose is 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?

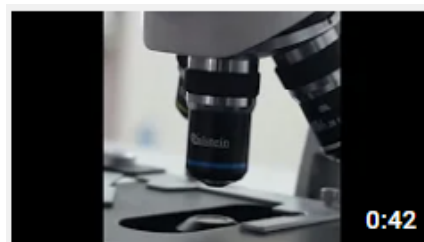
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