

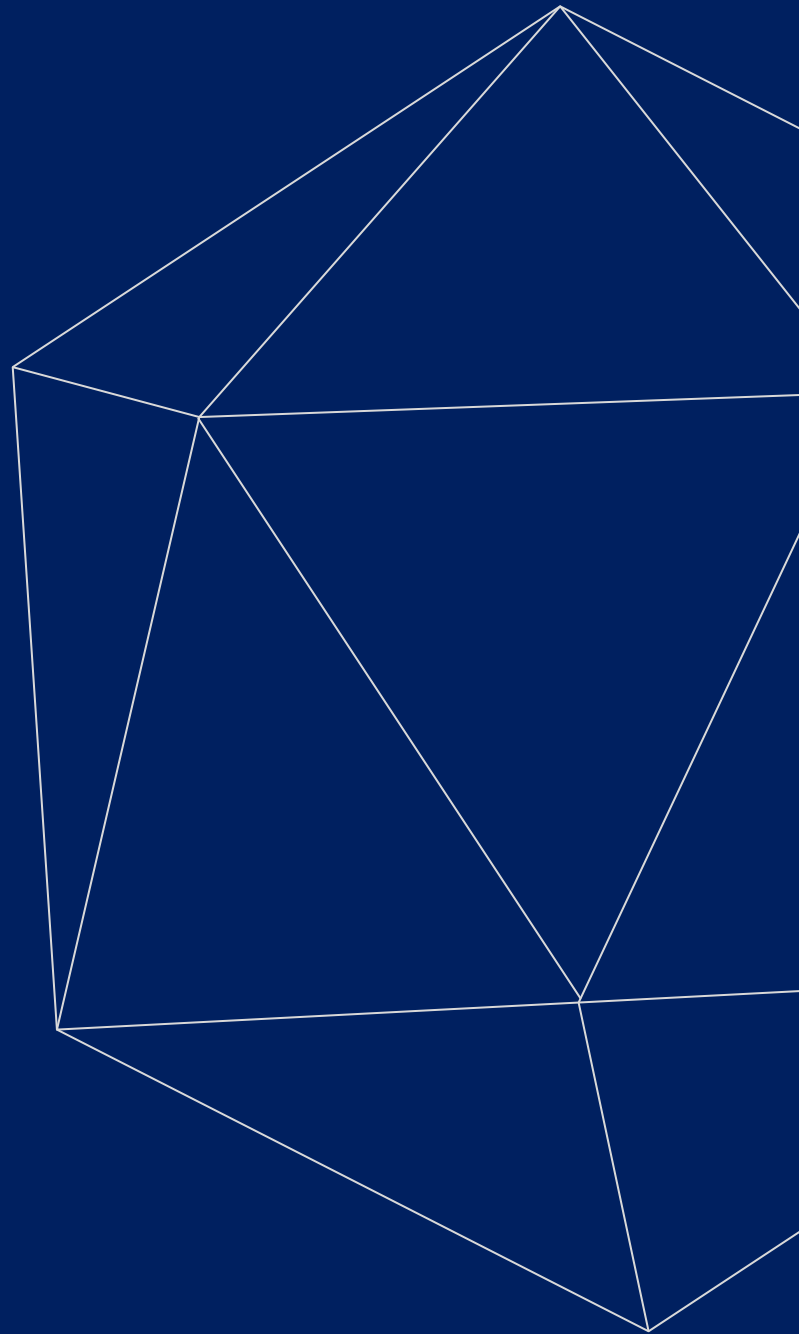
# LABORATORY LINES

## AUTOCLAVES



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# 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 ❤️

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### 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.



## 80L LCD Touch Screen Pulsating Vacuum Class B Table Top Autoclave

Model Series YR0SD80T



Model	Chamber size (Dia×D)(mm)	Outer size (mm)	Packing size (mm)	G.W. / N.W.	Power
YR0SD80T	80L / Ø386×700	980×800×820	1080×880×1020	145/120 kg	5.7kw

### Product Features

- ✓ Automatically controlled by microprocessor, LCD touch screen operation.
- ✓ European Class B Standard, with pre-vacuum and post-vacuum, the residue moisture of instrument less than 0.2%.
- ✓ LCD screen display working status: temperature, pressure, time, pulsating vacuum, drying, water level, alarm and system errors.
- ✓ Fully automatically route for water inlet, preheating, pulse vacuum, heating, sterilizing, draining, exhausting, vacuum drying.
- ✓ Sterilization cycle: Preset cycles (Liquid, Instrument, Textile, Rubber) + User-defined cycle + test cycle (Vacuum test, B-D test), can sterilize various items.
- ✓ Stainless steel door with radial lever can effectively lock tight the door cover and prevent steam leakage, at the same time, equipped with door safety interlock device.
- ✓ The vacuum rate can reach -0.09Mpa, it fits various unwrapped or wrapped instrument, package, unpackaged, solid, hollow, multi-apertures and inset pipes, dressing, liquid, glassware, etc...
- ✓ The timer starts only after the pre-set temperature is reached, ensuring complete sterilization.
- ✓ Automatic air venting device (vacuum pump) discharges cool air from chamber to obtain effective saturated steam.
- ✓ The door is manually operated and activated by a dedicated button.
- ✓ The chamber is made of high quality AISI 316L stainless steel with polished surface for long lasting service and easy cleaning.
- ✓ Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry.
- ✓ Self- sealing door with high quality silicone gasket.
- ✓ Fast and independent steam generator to provide strict control of heating temperature.
- ✓ Built-in printer, 0.22um bacteriological filter, USB port, PT/TT test port.
- ✓ Can inactivate HIV, HBV, mad cow virus and bacillus.
- ✓ This machine is designed for open water tank, water purification, sewage tank separation, convenient and intuitive.
- ✓ Sound-light alarm when sterilization finished and cuts off the heating power source.
- ✓ Equipped with external mechanical safety valve.



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## 80L LCD Touch Screen Pulsating Vacuum Class B Table Top Autoclave

**Model Series YR0SD80T**



### Main Parameters

- ✧ Max. working pressure: 0.23Mpa
- ✧ Working pressure: 0 - 0.22Mpa
- ✧ Working temperature range: 105 - 138°C, adjustable
- ✧ Sterilization time: 0 - 99 min
- ✧ Drying time: 0 - 99 min
- ✧ Vacuum rate: -0.09 Mpa
- ✧ Temperature accuracy: 0.1°C
- ✧ Heat average:  $\leq \pm 1^\circ\text{C}$

### Main Configuration

- ✧ Control: Microprocessor
- ✧ Display: 4 inch LCD touch screen
- ✧ Preset cycle: 6 cycles.
- ✧ User-defined cycle: 5 cycles.
- ✧ Test cycle: B-D test, Vacuum leakage test.
- ✧ Vacuum function: Pre-vacuum and post-vacuum
- ✧ Clean water tank: Yes
- ✧ Waste water tank: Yes
- ✧ Steam generator: Built-in
- ✧ Printer: Yes
- ✧ Drying system: Vacuum drying
- ✧ Language: English
- ✧ Loading type: Sterilization trays
- ✧ Voltage: 220V, 50Hz

### Sterilization Field & Sterilization Object

**Sterilization Field:** CSSD/  
Pharmaceutical factory/ Lab/ Operation room/  
Research institutions/ Industrial sterilization

**Sterilization Object:** Unwrapped  
instruments/ Wrapped instruments/ Textile/  
Rubber/ Implant/ Liquid, etc...



### Safety Device

- Heater protection
- Anti-dry heating
- Door safety interlock device: The program can't start up when the door is unlocked under normal condition. Door is locked and the door can't open when pressure in chamber.
- Over-temperature protection: Adapt PT100 with accuracy class A for temperature control in chamber, collect temperature data in real-time, protect and alarm when temperature higher than default value.
- Over-pressure protection: The relief valve starts to release pressure automatically when the pressure in chamber and steam generator exceed the default value.
- Automatic release safety valve
- Over current protect
- Electric safety protective device: Fuse protects control units when short circuit or overload occurs.
- Overheating protection device: High temperature deviation in chamber actuates protective device cuts off the heating source immediately.
- Vacuum pump overload: The vacuum pump stops and alarms once its motor is overload or blocked when vacuum pump running.



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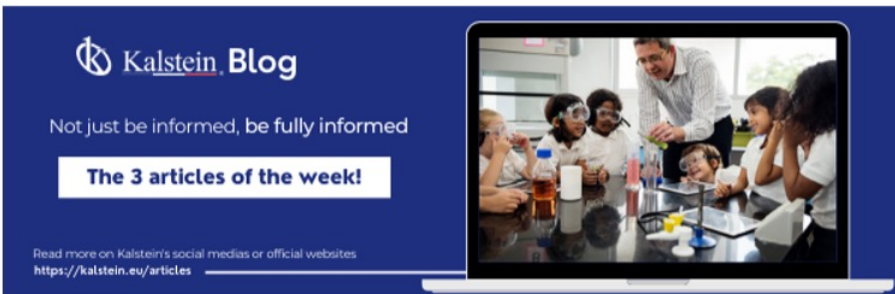


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**Kalstein Blog**  
Not just be informed, be fully informed

**The 3 articles of the week!**

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<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?

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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 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?

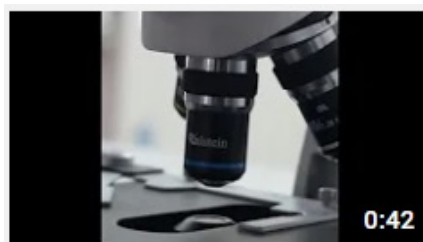
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