



LABORATORY LINES

AUTOCLAVE



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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.



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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.



Horizontal Pulsating Vacuum Class B Autoclave Single-Door Color Touch Screen Operation Round Chamber Horizontal With Printer

Model Series YR05643

Safety Protection Device

- ✓ Heater protection.
- ✓ Anti-dry heating.
- ✓ Door safety interlock device: The program can't start up when the door is not closed well. When the pressure of chamber is not 0, the door can't be opened.
- ✓ Over-temperature protection & Over-pressure protection.
- ✓ Automatic release safety valve: The safety valve will be open automatically when the inner pressure or temperature over set pressure or temperature.
- ✓ 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.
- ✓ Emergency stop button.
- ✓ Low water cut off sensor.
- ✓ If double-door, two doors cannot be opened at the same time.

Main Configuration

- ✓ Type: Horizontal Pulsating Vacuum Autoclave Sterilizer
- ✓ Class: Class B
- ✓ Vacuum system: Liquid ring vacuum pump, pre-vacuum, post-vacuum
- ✓ Control: PLC + HMI + Printer
- ✓ Display: 7 inch LCD color touch screen
- ✓ Steam generator: Built-in steam generator, stainless steel AISI 304
- ✓ Water tank: Built-in
- ✓ Water pump: Built-in
- ✓ Door: Safety interlock door, with safety shield and switch
- ✓ Drying function: Vacuum drying
- ✓ Printer: Built-in printer
- ✓ Language: English
- ✓ Voltage: 380V. 50HZ, three-phase



YR series horizontal steam autoclave is the equipment that disinfects and sterilizes the objects with saturated steam, its structure is horizontal and heating way is electric heating. It is composed of sterilization room, jacket, shell, door, steam generator, pipe system, control system, vacuum system, indicating system and power-supply system.

It is widely used in CSSD, lab, scientific research institution, major hospitals, pharmaceutical, food industry and is suitable for items which are high temperature-resisting and high pressure-resisting including unwrapped or wrapped instrument, dressing, rubber, liquid, plant-in instrument, porous item, hollow instrument to be sterilized.



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Horizontal Pulsating Vacuum Class B Autoclave Single-Door Color Touch Screen Operation Round Chamber Horizontal With Printer

Model Series YR05643

Product Features

- ✓ The machine adopts cylindrical horizontal triple-layer design structure, with chamber and jacket, which is conducive to the steam first entering the jacket for preheating, ensuring the preheating of the sterilization chamber and the uniformity of the drying temperature. The chamber surface roughness $Ra < 0.4$.
- ✓ Water adding, pulsing vacuum, heating up, sterilizing, vacuum drying, exhaust, printing process are fully automatic.
- ✓ 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 and safety shield.
- ✓ The door gasket is made of high-quality silicone, high temperature resistant, durable and not deformed.
- ✓ PLC control system, preset professional and systematized sterilizing programs, testing program and user-defined program.
- ✓ 7 inch LCD color touch screen operation, realized program selection, parameter setting, report processing, printing, storing and others functions, real-time display temperature, pressure, time, running status, fault alarm, etc...
- ✓ Built-in high quality vacuum pump, to ensure effective removal of the air so as to get the optimum saturate steam.
- ✓ Unique pulse vacuum drying procedure is designed, and the residue moisture of instrument less than 0.2%.
- ✓ Equipped with water level cutoff sensor and water level indicator. If water shortage, the machine will stop running.
- ✓ Perfect fault warning system is designed, and fault messages are shown on touch screen display real-timely.
- ✓ The beep will sound once the sterilization cycle completes and messages are shown on touch screen display at the same time.
- ✓ Build-in efficient steam generator, microcomputer temperature control, time and energy saving.
- ✓ The chamber and door are made of stainless steel AISI 316L/AISI304, jacket, water tank, steam generator, pipeline are made of stainless steel AISI 304, outer shell is made of stainless steel sprayed or stainless steel AISI304.
- ✓ Preset pre-vacuum and post-vacuum functions are able to improve sterilization effect and drying effect, shorten sterilization time and drying time.
- ✓ Automatic hydrophobic device: Installed automatic control hydrophobic device for chamber and jacket, automatic program control, automatic drain, ensure the steam saturation.
- ✓ Equipped with 0.22um HEPA filter.
- ✓ Perfect 3 level authority management system to avoid misoperation.
- ✓ Built-in printer, record the entire sterilization cycle.
- ✓ With two pressure gauges, real-time display of the temperature and pressure of the inner chamber and jacket.
- ✓ Equipped with test port.
- ✓ It has the safety switch of door cover.
- ✓ Operating System: Fully automatic operation without manual intervention.



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Model Series YR05643

Model	YR05643	YR05644	YR05645	YR05646
Volume	100 Liters	150 Liters	200 Liters	300 Liters
Chamber Volume	Ø440*670 mm	Ø440*1000 mm	Ø515*1000 mm	Ø600*1080 mm
Design Pressure	-0.1/0.25Mpa			
Design Temperature	139°C			
Working Pressure	0-0.22 Mpa			
Working Temperature	105-134°C			
Sterilization Program	Preset 4 sterilization programs, User-defined program, B-D test, Vacuum test			
Time for Sterilization	0-99 min			
Time for Drying	0-99 min			
Vacuum Rate	-0.09Mpa			
Temperature Accuracy	0.1°C			
Heat Average	≤1°C			
Heater Power	10 KW	10 KW	12 KW	15 KW
Product Dimension(mm)	1400*660*1640	1400*660*1640	1400*760*1750	1520*850*1850
Package Dimension (mm)	1560*820*1820	1560*820*1820	1560*910*1880	1680*1080*2100
Gross Weight/Net Weight	430/340kg	440/350kg	560/470kg	680/580kg



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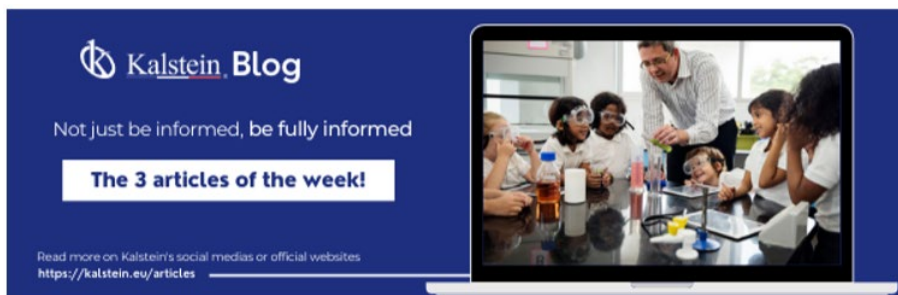
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1
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microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses and mirrors, which form

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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 used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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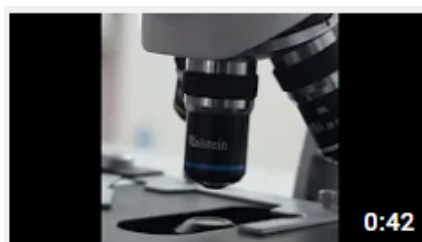
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