



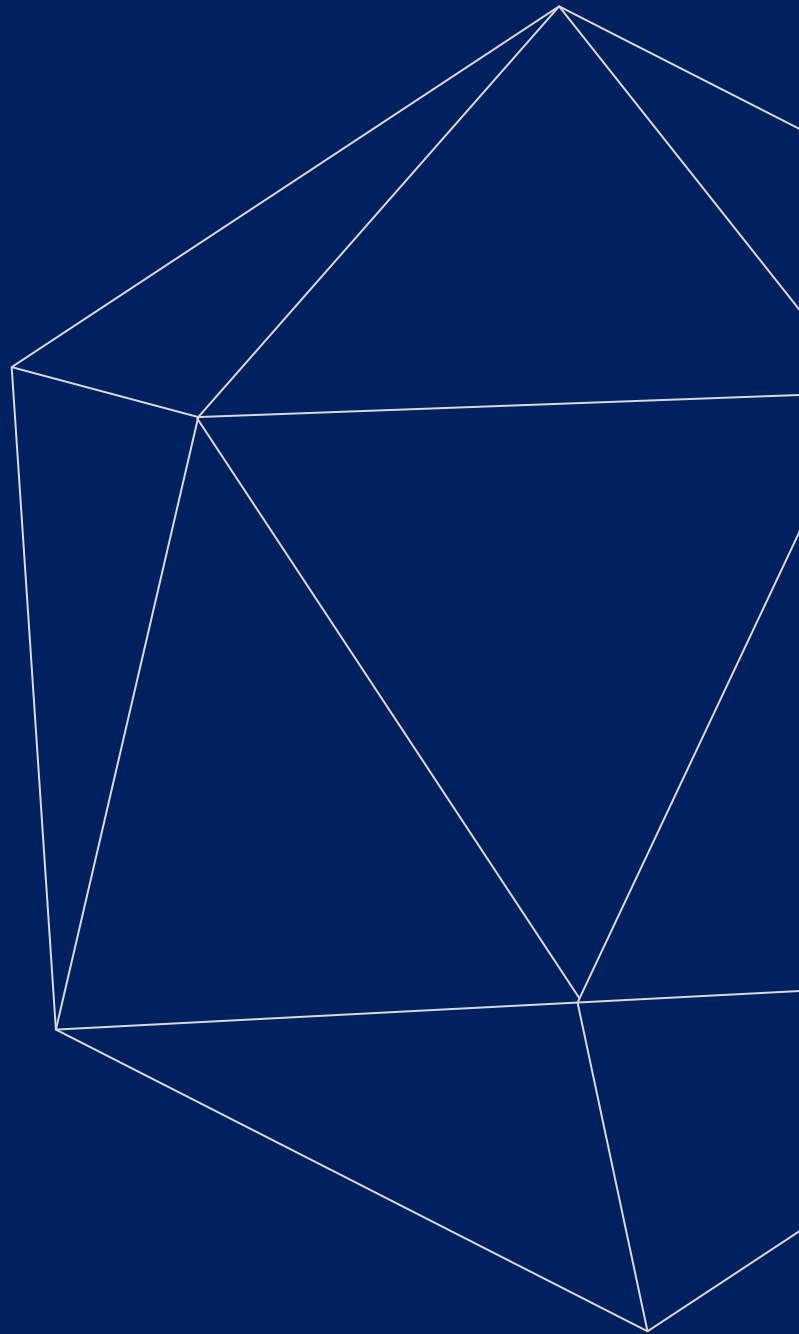
LABORATORY LINES

AUTOCLAVE



Kalstein®

A different accompaniment, at your service





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KALSTEIN® Gas Autoclave

Low Temperature Plasma Sterilizer

Kalstein's Plasma sterilizer takes H₂O₂ as sterilizing agent and form plasmatic state of H₂O₂ by electromagnetic field under low temperature. It combines both gaseous and plasmatic H₂O₂ to make sterilization for the items in chamber and decomposes the residual H₂O₂ after sterilization.

It is widely used in CSSD or other medical institute for the sterilization of electric wire and cable, optical glasses and glass lens, power equipment and batteries, endoscopes, catheter nonmetallic and other wet or heat sensitive instruments.

- Metal tubular instrument: inner diameter ≥ 1mm, length ≤ 500mm.
- Nonmetal tubular instrument: inner diameter ≥ 1mm, length ≤ 2000mm

The sterilization temperature is 50 ± 5°C which is much lower than steam sterilization. It is dry sterilization that has no harm on instrument. so it extends the device service life.

- Fast sterilization cycle time: ≤ 25 min
- Standard sterilization cycle time ≤ 35min
- Enhanced sterilization cycle time ≤ 55min

The rectangular chamber is made of alloy materials with good thermal conductivity, independent temperature control, uniform temperature, and stable temperature, the purification system makes the H₂O₂ diffuse evenly, the low temperature storage system provides a stable concentration of H₂O₂, effectively guarantee the sterilization effect. The two-layer aluminum alloy punching plate is loaded with sterile items, with large loading capacity and high space utilization rate.

Features

1. Safe sealing door

Using mandrel drive electric lifting door, double-layer seal design, with a safety system on the door to ensure equipment and personal safety, anti-pinch hand design.

2. Sterilization agent

Cassette: 12 vials of H₂O₂ / cassette. It adopts high-purity hydrogen peroxide injection (concentration 60%) and has an inverted hydrogen peroxide automatic liquid addition system to ensure that workers do not directly contact the liquid. The amount of hydrogen peroxide can be adjusted. The amount of each injection can be observed, and it has a sterilant refrigeration storage device below 20 °C..

3. Full automatic control system

7 inch LCD touch screen display, PLC intelligent control system. One button to control from start to end and finish automatically with showing temperature, pressure, sterilization time. The system can maintenance and upgrade.

4. Biological indicator incubator

Independently controlled biological indicator incubator for the monitoring of biological effects of biological indicators of the constant temperature culture process, the full range of ≤ ± 0.3°C temperature control accuracy; temperature can be set. The biological incubator will timely display temperature and incubate time.

5. Various protective function and alarm system

It has set up over temperature protection function and show on LCD screen if fault, to make the after sales-service dealing with fault more efficiently. Equipped with high & low temperature alarming system.

6. Safe and environment friendly

The matter after sterilization is water and oxygen molecule that have no toxic harm to staff or patient, and there is no need for drainage or air exhausting. High efficient H₂O₂ filter is installed in the exhausting outlet to guarantee no H₂O₂ pollution to the environment.



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KALSTEIN® Gas Autoclave Low Temperature Plasma Sterilizer

Kalstein's Plasma sterilizer is convenient; only power supply is needed for installation. The system adopts man-machine control interface with intelligent program design. Equipped with foot switch (alternative) and integrated biological incubator. We provide comprehensive operation training materials to key components maintenance intelligent reminding system for your convenience.



Product Specifications

Model	KALSTEIN'S YR
Type	Fully automatic
Chamber material	Stainless steel 304
Door	Automatic vertical sliding door
Sterilization agent	60% hydrogen peroxide
Sterilization cycle	Fast sterilization ≤ 25min; Standard sterilization ≤ 35min; Enhanced sterilization ≤ 55min
Sterilization temperature	50°C ± 5°C
Filling method	Cassette, 12 vials of H2O2 / cassette
Master controller	PLC control
Display	7-inch color touch screen
Printer	Yes
Optional	Double door
Power supply	110/220V, 50/60HZ
Loading method	2 layers of aluminum alloy punching plate loaded sterile items
Biological indicator cultivator	Yes
Vacuum pump system	Yes
Test methods	Biological monitoring of Bacillus subtilis and Bacillus stearothermophilus
Alarm system	Equipped with high & low temperature alarming system
Various protective function	Yes



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KALSTEIN® Gas Autoclave Low Temperature Plasma Sterilizer



Product List

Model	Door Number	Sterilization Capacity	Chamber Size	Outer Size
YR05747	single door/double door	60L	60*35*30cm	79*67*151cm
YR05748	single door/double door	110L	65*48*38cm	79*80*159cm
YR05749	single door/double door	128L	70*48*38cm	89*80*159cm
YR05750	single door/double door	160L	76*46*46cm	95*78*167cm
YR05751	single door/double door	180L	85*46*46cm	104*78*167cm
YR05752	single door/double door	200L	95*46*46cm	114*78*167cm
YR05753	single door/double door	300L	95*56*56cm	114*78*167cm



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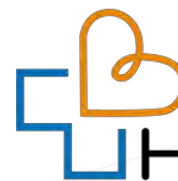


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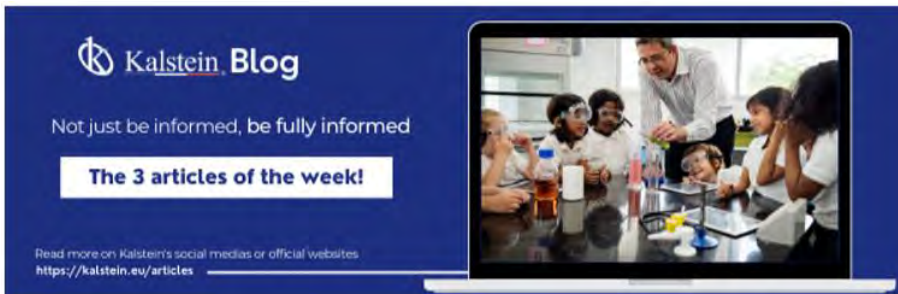


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