



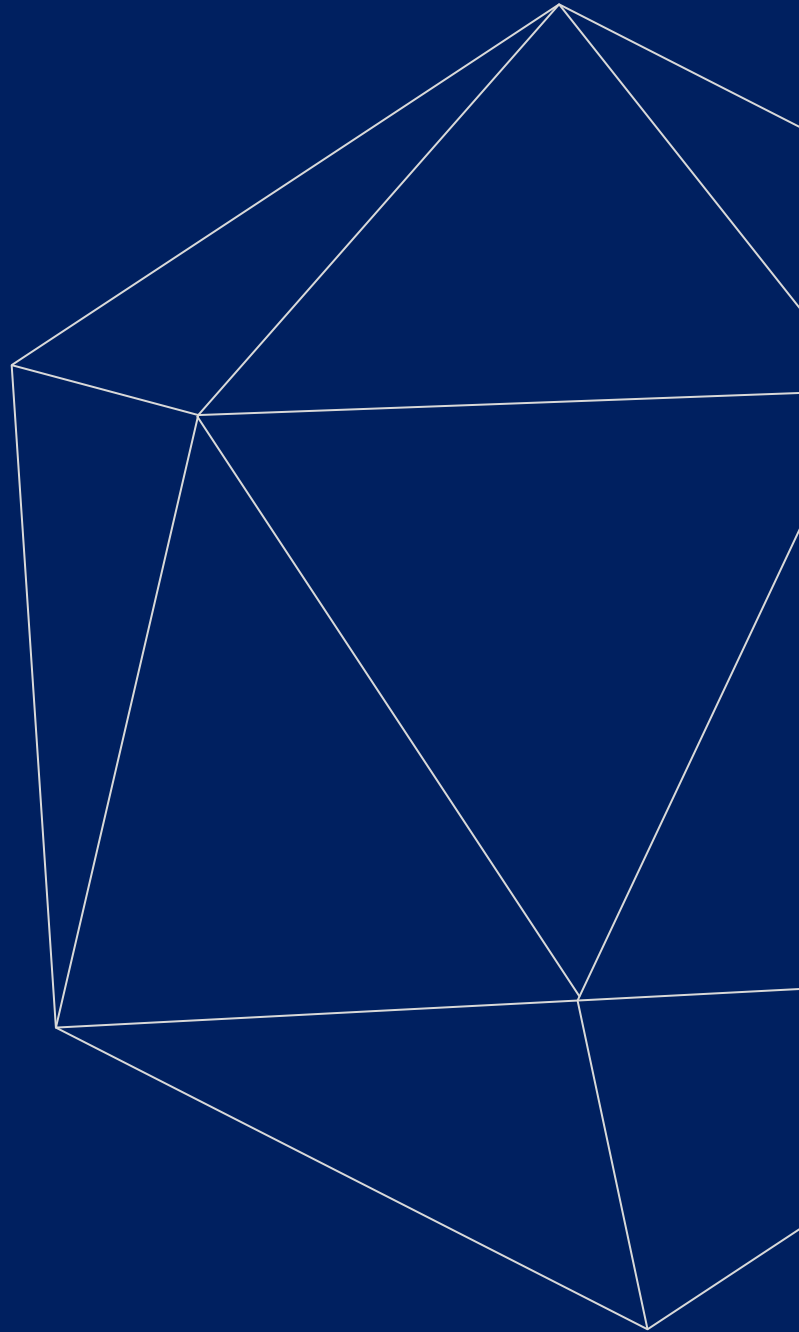
LABORATORY SECTOR

AUTOCLAVE



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KALSTEIN® Autoclave
LCD Fully Automatic Table Top Autoclave Pulsating Vacuum Type
Model YR0HS-TSD



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KALSTEIN® Autoclave
LCD Fully Automatic Table Top Autoclave Pulsating Vacuum Type
Model YR0HS-TSD



Introduction:

YR0HS-TSD series autoclave is an automatic high temperature and pressure rapid sterilizer which works with steam as medium. It can be widely used in department of stomatology and ophthalmology, operating room, supply room, dialysis room and other medical institutions. It is ideal equipment for unpacked items, solid instruments, dental hand pieces, endoscopes, implantable instruments, dressing fabric and rubber tubes, etc..



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Technical Description:

- ✓ Automatically controlled by microprocessor, LCD display of working status, touch type key.
- ✓ 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, pulse vacuum, heating, sterilizing, draining, exhausting, vacuum drying.
- ✓ Sterilization cycle: Preset cycle + user-defined cycle + test cycle (Vacuum test, B & D test), can sterilize various items.
- ✓ The vacuum rate can reach -0.081Mpa, 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.



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Technical Description:

- ✓ The chamber is made of high quality SS304 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 HEPA filter.
- ✓ Can inactivate HIV, HBV, mad cow virus and bacillus.
- ✓ This machine is designed for open water reservoir, water purification, sewage reservoir separation, convenient and intuitive.
- ✓ Sound-light alarm when sterilization finished and cuts off the heating power source.
- ✓ Equipped with PT/TT test port, and external mechanical safety valve.



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Safety Device:

- ✓ Heater protection & Anti-dry heating.
- ✓ Door safety interlock device.
- ✓ 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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KALSTEIN® Autoclave LCD Fully Automatic Table Top Autoclave Pulsating Vacuum Type Model YR0HS-TSD



Technical Parameters:

Model	YR0HS-TSD18	YR0HS-TSD24
Sterilizing chamber volume	18L (φ250×360)	24L (φ250×470)
Working pressure	0.22Mpa	
Working temperature	134 °C	
Adjustment of temperature	105-134 °C adjustable	
Timer	0-999 min	
Drying time range	0-999 min	
Water reservoir	5 Liters × 2	
Sterilization program	Preset cycle + User-defined cycle + Test cycle	
Temperature display accuracy	0.1 °C	
Heat average	≤ ± 1 °C	
Power	2.0 KW/AC220V. 50Hz Single phase	
Sterilization plate	340×200×30 mm (3 pcs)	400×200×30mm (3 pcs)
Dimension(mm)	560×470×400	675×470×400
Package dimension(mm)	655×560×495	765×560×495
G.W/N.W	56/50 kg	62/55kg



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KALSTEIN® Autoclave LCD Fully Automatic Table Top Autoclave Pulsating Vacuum Type Model YR0HS-TSD



Front Photo:



Door

LCD screen
Show date, cycle, temperature, time, pressure, whole status, vacuum, drying, error code, etc...

Function buttons
Set date, sterilization parameters, choose cycle, cancel cycle, etc...

Printer

Power switch, with indicator light

Door switch
If pressure is not 0, the door cannot be opened.
If the door is not closed well, the cycle will not start



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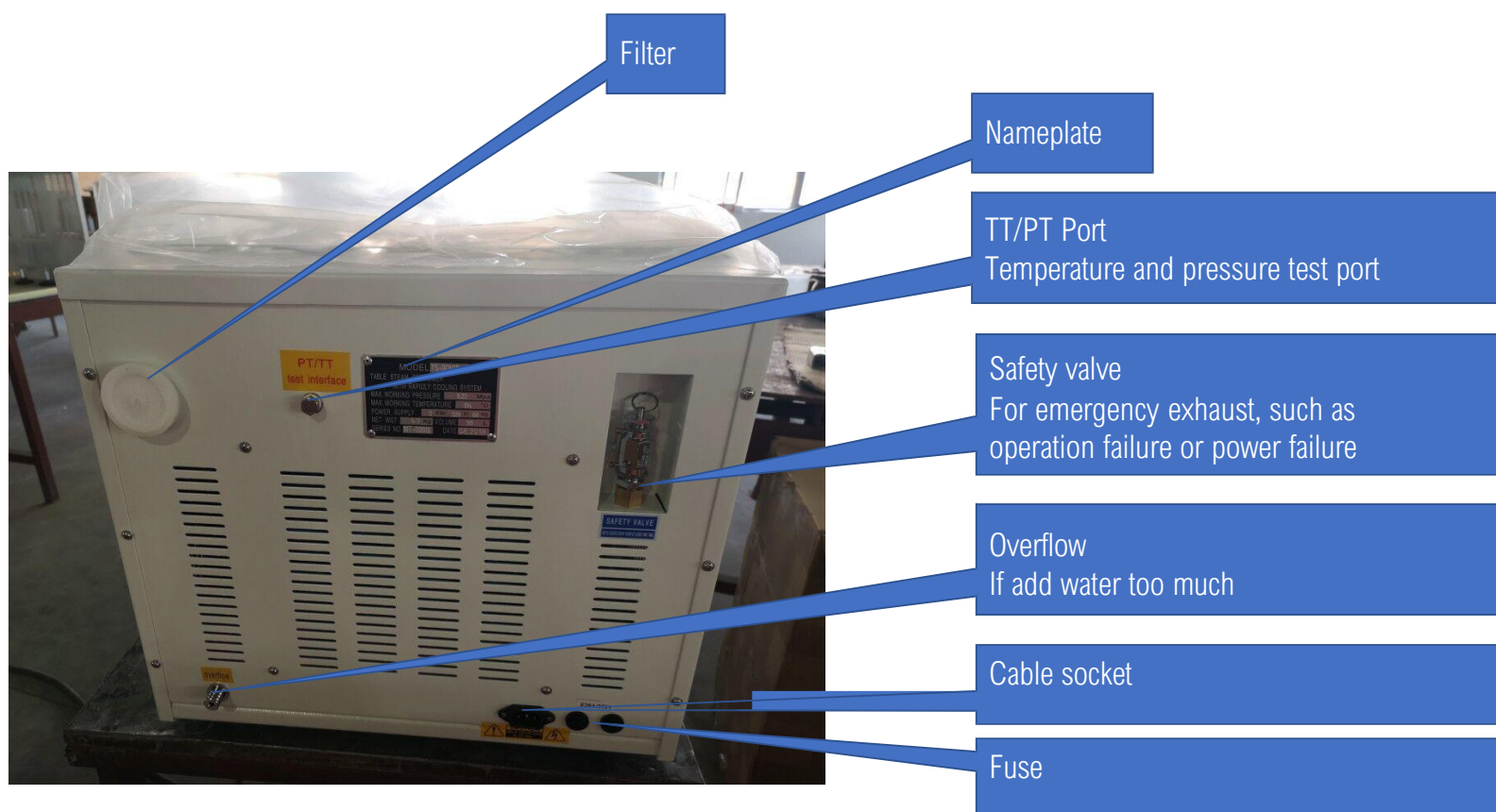
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Back Photo:



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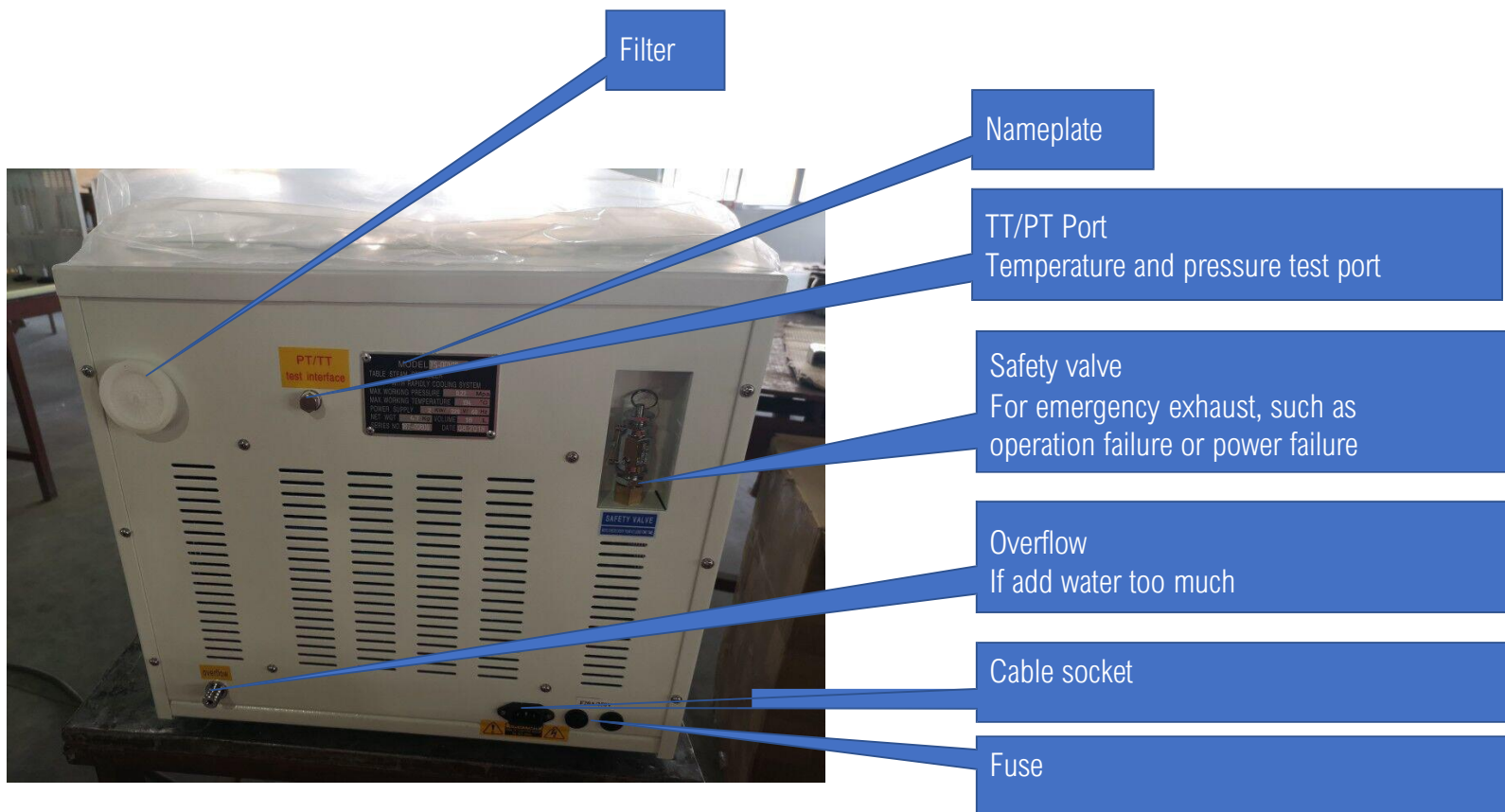
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Chamber Photo:



Tong

Cylindrical sterilization chamber, AISI304

Stainless steel 304 basket, 3 pcs

Rack, 1 pcs
The rack can be flipped 90 degrees to adjust the spacing of the basket

Clean water reservoir switch
Used water reservoir switch



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Vacuum exhaust port

Steam outlet

Used water reservoir

Water level switch

Clean water reservoir

Water level sensor

Measuring cup

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Water Tank:



Vacuum exhaust port

Steam outlet

Used water reservoir

Water level switch Clean

water reservoir

Water level sensor

Measuring cup



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microscope is an instrument that allows observing and measuring small objects. This is achieved through a series of lenses that focus light on the object being observed.

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Article of the week:
How does the climate affect your microscope?

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2
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What is the importance of the laboratory refrigerator?

Refrigerator is a device that is one of the most common pieces of equipment that is used 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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