Kalstein®

2023
Product
Brochures

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Intertek

Focus On Autoclave

PRODUCT

Introduce

The Kalstein series YR steam sterilizers are classified as moist heat sterilizers. As moist heat under very high pressure is injected into the chamber to create a environment that allows the sterilization of the material inside the chamber. Steam Sterilizers are by far the most reliable method known for the destruction of all forms of bacteria, viruses, fungi and spores. That is why KALSTEIN provides you the most professional, most efficient and safest sterilization method available on the market.

Kalstein's Series is a Class B autoclave in complete compliance with European Standard EN13060; this series includes 8L, 12L, 18L, 23L & 29L. They are appropriate for the sterilization of all wrapped or non-wrapped, solid, hollow load products type A and porous products as represented by the test loads in this standard. KALSTEIN has been widely used in dentistry, medical, beauty, laboratory, veterinary, and the tattoo and hair-dressing industry.

KALSTEIN YR STERILIZERS

4 major features

Efficiency
Kalstein uses an intelligent system that saves time and energy by providing a fast and complete sterilization cycle with full drying and a convenient operation.

Safety
Kalstein is equipped with a new multi protection system that utilizes mechanical and electronic safety mechanisms for pressure, temperature and electrical current protection. Kalstein also uses a large number of high quality imported parts that have a proven record of reliability and ensures the users safety.

Kalsteins kills 100% of the microbes including spores, which ensure patients safety.

Kalstein's advanced technology enables extremely strict controls of temperature fluctuations to 0.1celcisus in the sterilization phase, which can effectively protect sterilized instruments and extend their lifetimes .
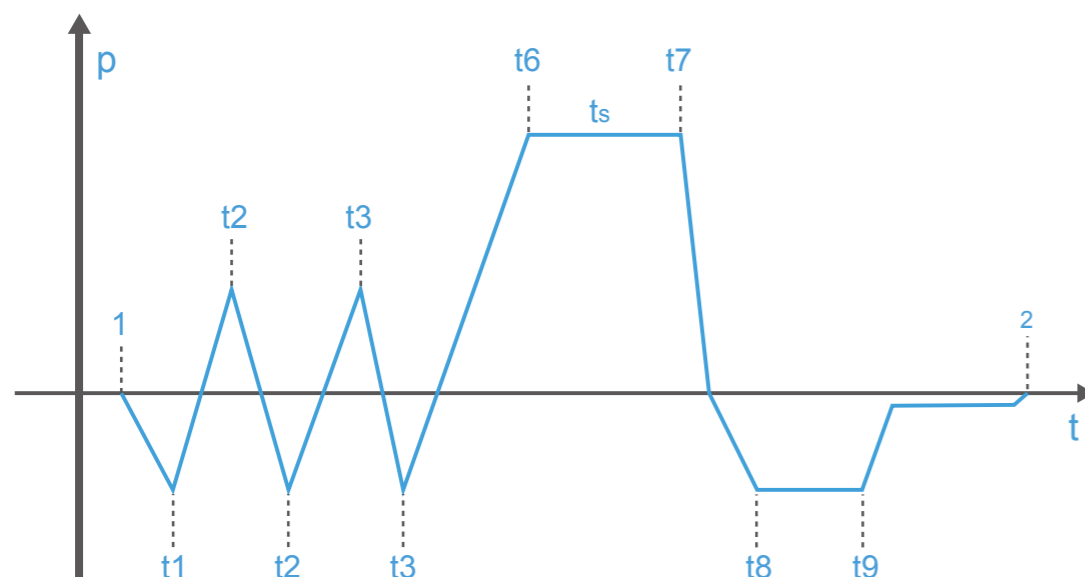
Carefulness
Changes to the exterior detailing of the Kalstein's series gives it a sleeker profile, which increases the overall appearance and aesthetic of your office while bringing effective and efficient sterilization to your office. Kalstein focuses on the "ease of operation" and the " simplicity of maintenance" in designing the perfect sterilizer.

Class B Sterilizer

process curve

Introduce

SPECIFICATION

12 The micro switch for the door locking system ensures that the cycle cannot be started if door is not closed to the appropriate position. This is the second safety protection on door.

11 The electronic door locker, locks the door pivot while sterilization cycle runs. This consists of third safety protection on door.

10 Stainless steel chamber made by drawing die sets with triple surface treatments.

The built-in frame dust filter ensures constant performance levels, reduced maintenance costs and longer service intervals.

09 It uses a safer hook-type door lock design; that consists of a first safety protection on the door.

08 The beautiful design of the aluminum trays facilitates better heat conduction and increases the sterilization and drying efficiency.

07 Unique wicket design, skillfully hide printer, USB interface, water drainages and power switch. The Kalstein looks compact and noble and when the wicket is off. It is convenient to use while they need to be operated.

06 Pulling type drain connection, user can start and stop water drainage task once pulling or pushing it lightly. Operation is incredibly simple.

01 Optimized tank concept, simple opening method, convenient water filling and easy cleaning.
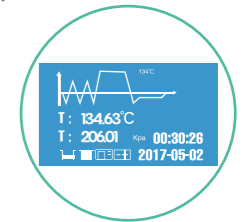
02 The LCD display uses a dynamic graphical appearance that can present the whole process of sterilization, including all stages of time, temperature, pressure and so on. There are 15 different kinds of languages to meet the needs of users in various countries.

The display shows water shortage, locking door alarm, printer not connected alarm.

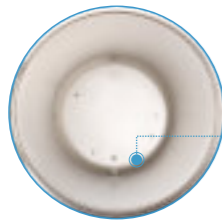A specific error code is displayed to facilitate Trouble shooting.

03 All operations are controlled with only 4 buttons, with 3 buttons that control the program selection and 1 to start of the sterilization cycle makes the operation of the series YR the easiest and most intelligent interface available on the market.

04 Optional built-in printer, sterilization report can be automatically printed when each cycle end.

05 The device is equipped with a standard USB 2.0 interface that when inserted with a USB drive will automatically record the data of each sterilization cycle to a "txt" File.

Furthermore, sterilization reports for the last 20 cycles will be recorded and the user can output them at any time.

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2017-05-02

Introduce

Satety Valve

Pressure relief valve wtih CE approved, ensures pressure can be mechanically released in a timely manner once overpressure.

Steam release ports

A large caliber steam release ports on the back side of the device, solves the problem of water droplets freezing and releasing steam unnecessarily.

Air vent of the solenoid valve

KALSTEIN has set the solenoid valves in a raw, convenient maintenance, the air vent design ensures heat dissipation in time.
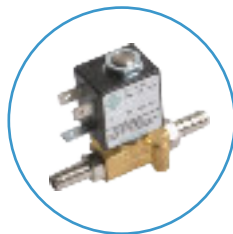
Vacuum Pump

Hi Performance vacuum pump ensures high sterilization efficiency.

Steam Generator

With many years' experience that we have accumulated and technology creation, Kalstein provides a new designed steam generator which has advantages of faster and more efficient sterilization, energy saving and longer lifetime.

Air vent of cooling fan

Air vent of cooling fan, increases the cooling efficiency.

Steam Generator

Removing the independent steam generator module is designed to be completely easily by removing four screws and the steam generator can be removed easily. It can avoid opening the machine, and it is easy for maintenance.
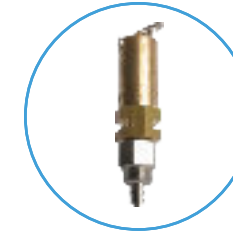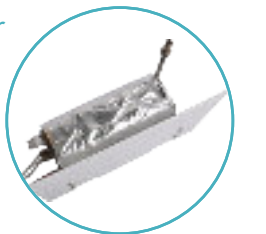
Solenoid Valve

High quality solenoid valve imported from Italy, better performance and reliable, which prevents any defects of leakage like other brands of autoclaves and extends the required maintenance period.

Circuit Breaker

Branded circuit breaker automatically trips when the current is not stable, which prevents the damage of device.
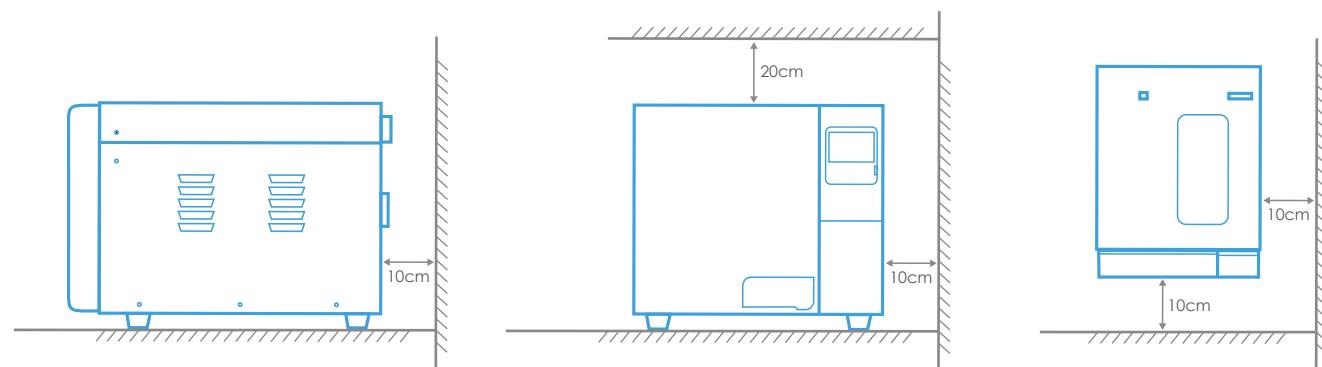
Bacteria Filter

Imported bacteria filter, increases filtration efficiency and extend maintenance period.
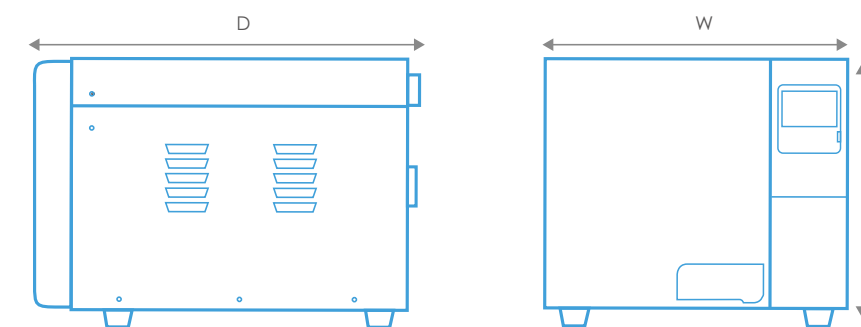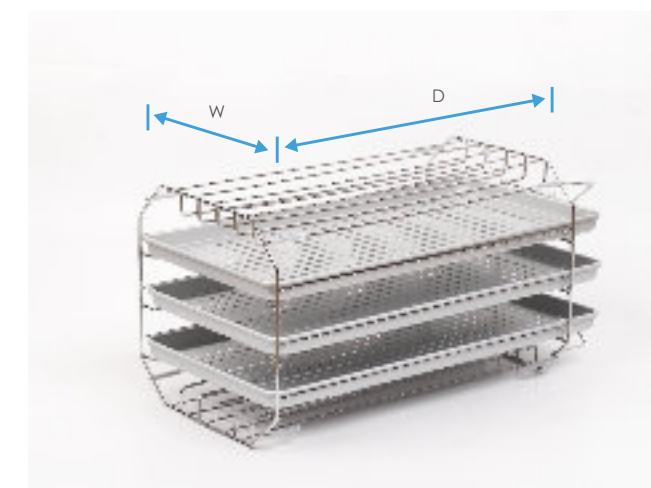
Installation Dimensions

Overall Dimensions

Technical Parameters

Order Code	Model Number	Chamber Dimensions	Type	Power	Weight
YR408	YR03387 (8L)	Φ170x320mm	Class B	2000W（220V)	37kgs
YR412	YR03388 (12L)	Φ200x360mm	Class B	2000W（220V)	40kgs
YR418	YR03389 (18L)	Φ250x350mm	Class B	2000W（220V)	47kgs
YR423	YR03390 (23L)	Φ250x450mm	Class B	2200W（220V)	53kgs

Order Code	Width	Height	Deep
YR408	420mm	370mm	525mm
YR412	420mm	370mm	595mm
YR418	490mm	455mm	600mm
YR423	490mm	455mm	690mm

Program	Temperature	Pressure	Holding Time(min)	Total Time(min) D308/D312/D318/D323			
Solid 134℃	134℃	210Kpa	4	17-22	19-24	21-33	22-35
Solid 121℃	121℃	110Kpa	20	25-35	25-35	30-40	31-40
Wrapped 134℃	134℃	210Kpa	4	22-40	25-40	25-45	30-50
Wrapped 121℃	121℃	110Kpa	20	38-50	42-50	45-60	48-60
Textile 134℃	134℃	210Kpa	8	25-45	30-45	31-50	36-55
Textile 121℃	121℃	110Kpa	30	50-60	52-60	53-70	44-70
Prion 134℃	134℃	210Kpa	18	35-55	40-55	40-60	46-65
Liquid 121℃	121℃	110Kpa	30	38-50	40-50	43-55	45-60
B&D Test	134℃	210Kpa	3.5	10-20	11-23	13-25	16-30
HELIX Test	134℃	210Kpa	3.5	10-20	11-23	13-25	16-30
Vacuum Test	/	/	/	17-20	18-21	19-22	20-25

Trays

Order Code	Quantity	Material	Dimensions (W)x(D)
YR408	Standard 2pcs, Max 3pcs	Aluminum	130x265mm
YR412	Standard 2pcs, Max 3pcs	Stainless Steel	156x295mm
YR418	Standard 3pcs, Max 5pcs	Aluminum	192x285mm
YR423	Standard 3pcs, Max 5pcs	Aluminum	192x380mm

Introduce

PRODUCT

KALSTEIN FLASH STERILIZER--YR408Q

It is the "Class B" autoclave has same shape and size as KALSTEIN YR408, but with **QUICK** cycle included. The QUICK cycle take approx. completed time 7 to 12 minutes for unwrapped instruments according to different weight of loading. It is a solution for emergency sterilization using, also an idea for ophthalmic clinic.

Default Program

Program	Temperature	Pressure	Holding Time(min)	Total Time(min)
Quick 134℃	134℃	210Kpa	3.5	7-12
Wrapped 134℃	134℃	210Kpa	4	20-40
Wrapped 121℃	121℃	110Kpa	20	38-50
Prion 134℃	134℃	210Kpa	18	35-55
Dry	/	/	/	1-20
B&D Test	134℃	210Kpa	3.5	10-20
HELIX Test	134℃	210Kpa	3.5	10-20
Vacuum Test	/	/	/	17-20

Steam Sterilizer for Extra-long Instrument--YR429

It is a sterilizer special for extra-long instruments, sterilization chamber depth can reach **620mm**, effectively solve the problem such as laparoscopy and other long instruments which can not be sterilized in the ordinary benchtop sterilizers.

Order Code	Model Number	Chamber Dimensions	OverallDimension	Type	Power	Weight
YR29	YR429	Φ247x620mm	490x455x860mm	Class B	2200W(220V)	65kgs

Tray Dimensions

Tray #1 : 185x570mm
Tray #2 : 213x570mm
Tray #3 : 227x570mm