



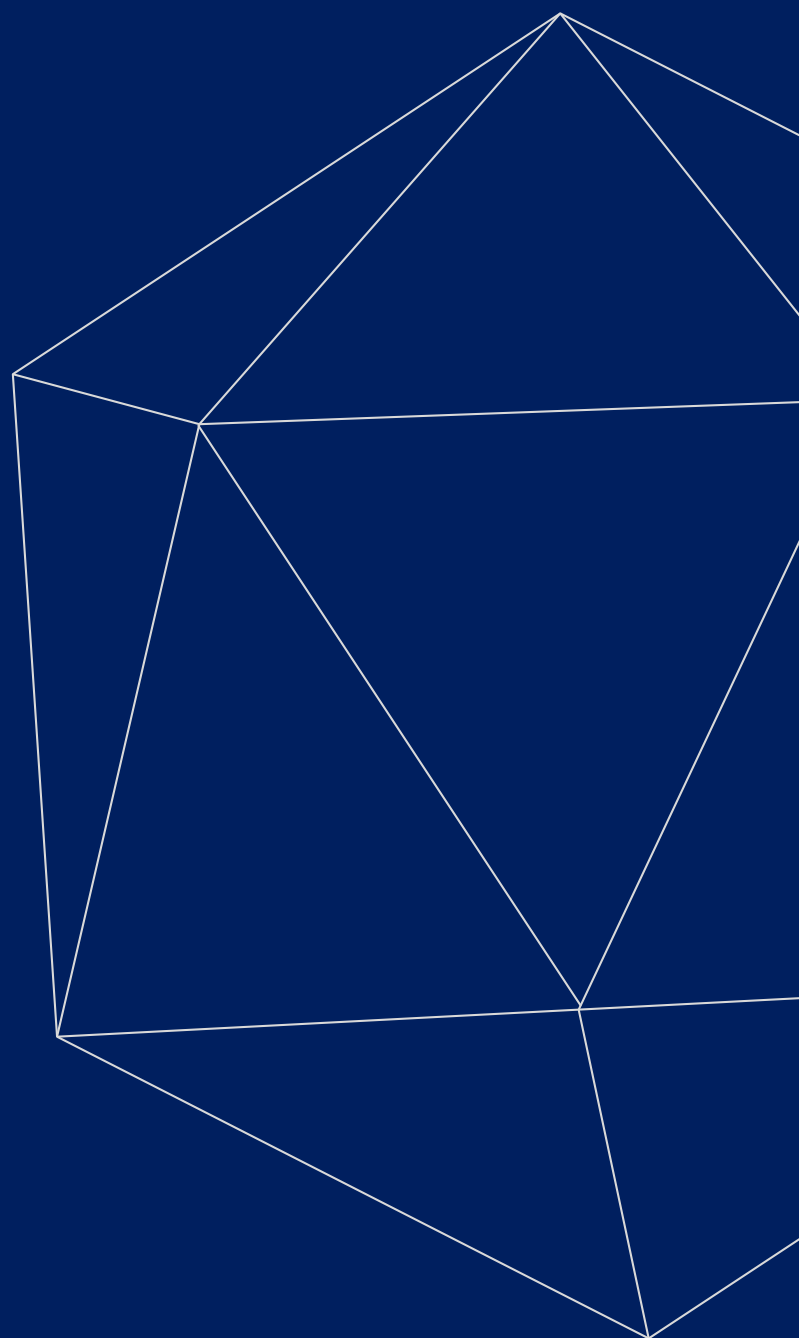
LABORATORY SECTOR

AUTOCLAVE



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KALSTEIN® Autoclave
Intelligent LED Display Vertical Autoclave
Model YR0VSC60



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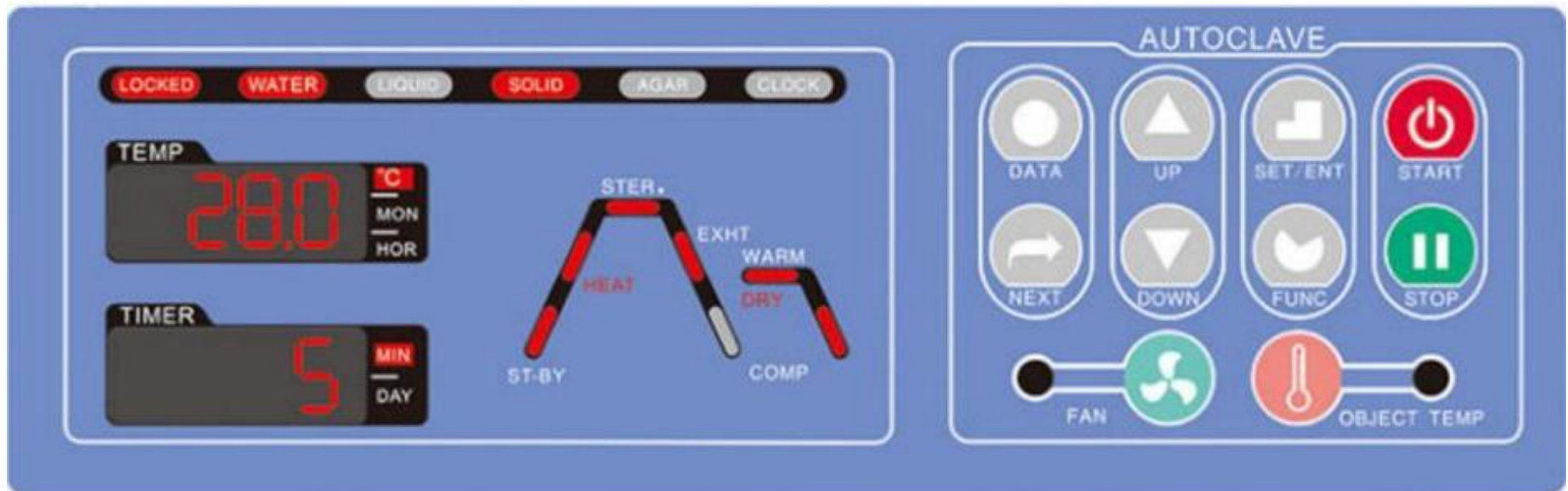
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Specifications:

Model	YR0VSC60	YR0VSC85	YR0VSC110
Capacity(L)	60L	85L	110L
Dimension (mm)	660×644×980	660×644×980	660×644×1180
Chamber dimension(mm)	φ400×505	φ400×700	φ400×895
Stainless steel basket(mm)	(φ360×200)× 2	(φ360×280) × 2	(φ360×250) ×3
Rate power	2900W	4600W	4600W
Rated power supply	220V, 16A, 50/60HZ	220V, 32A, 50/60HZ	220V, 32A, 50/60HZ
Temperature accuracy	0.1°C		
Working environment	5-45°C, relative humidity 10% - 85%		
Display system	LED screen		
Chamber material	SUS316L, thickness 3mm, design life 20 years		
Sterilization temperature	105-138°C, design temperature: 153°C		
Range of sterilization time	1-6000 min		
Melting temperature	40-115°C		
Range of melting time	1-6000 min		
Warming temperature	45-79°C		
Range of warming time	1-9999 min		
Cooling lock OPEN	40-80°C for liquid cycle, 40-99°C for other cycles		
Cooling fan	Built-in		
Sterilization cycle	1.Liquid 2.Liquid with warming 3.Solid 4.Wrapped instrument 5.Fabric 6.Rubber 7.Fast 8.Waste 9.Agar with melting and warming 10.User-defined cycle: 20 cycles		
Exhaust mode	Automatic internal discharging, with steam collecting bottle inside. Exhaust speed can be selected by 6 levels.		
Opening way	Up and down (triple safety interlock)		
Preset range of timer	0 to 15 days		
Range of pressure gauge	-0.1/0.5Mpa		
Pressure	Safety valve open pressure: 0.30Mpa Design pressure: 0.52Mpa, Design temperature: 153°C		
Controller	Fast speed intelligent PID controller		
Safety device	"Eight-column evenly divided" interlocking device, Electric double inner lock, Over temperature and temperature rise protection, Dry burn protection, Water level sensor, Overvoltage protection, Safety valve, Closure check, Overcurrent and Short Circuit Protection, Leakage Protection, Cooldown lock, Anti scald protection, Fault detection, Timer, Temperature sensitive probe, Open circuit detection, Exhaust Check System		
Feeding water	External water source automatic water intake		
Optional	Drying, Printer		



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Timing Start Function

- ✓ Sterilization can be scheduled, set the start time, and the sterilizer will start at the scheduled time.

Six-Stage Exhaust Steam

- ✓ At the end of sterilization, six different steam exhaust speeds can be selected according to the substances to be exterminated to speed up the cooling process and prevent overheating. At the same time, the steam exhaust speed during the exhaust steam process.

Waste Sterilization Mode

- ✓ Dedicated waste sterilization procedures are established for effective sterilization of waste.

Air Filter

- ✓ HEPA filter 0.2µm, the external air is filtered into clean air by the filter.

Cooling Fan

- ✓ At the end of sterilization, the cooling process of the sterilization chamber can be accelerated.

Intelligent Microcomputer System:

- ✓ The new PID intelligent control system is adopted to realize the fully automatic control of the sterilization process, and at the same time, the instrument is more intelligent.

Saturated Steam Monitoring

- ✓ The system automatically monitors the discharge of cold air to ensure a pure steam sterilization environment to ensure the best sterilization effect.

Three-Level Authority Management

- ✓ The operation authority of the instrument is divided into three levels, each level of users has an independent password, the operator can assign multiple IDs, and each level of users has limited access rights.

Memory Storage System

- ✓ Users can set their own sterilization parameters, and the memory will be stored, even if the power is off, it will not be lost

Automatic Water Feeding

- ✓ Automatically control the water level of the cavity, the screen displays the status of the water level, and the external water source can automatically replenish water when there is a shortage of water, saving the trouble of adding water every time.



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Interlocking Device

- ✓ The "eight-column evenly divided" interlocking device is safer and more reliable than ordinary interlocking devices.

Closed Cover Inspection

- ✓ The system automatically checks the locking condition of the chamber cover. If the chamber cover is not locked, the sterilizer cannot start to work.

Cooling Lock OPEN Temperature

- ✓ Each program can set the cooling lock OPEN temperature according to the thermal inertia of the sterilized object, so as to prevent the user from opening the cover when the sterilized object (especially the liquid sterilized object) is still at a high temperature and causing burns.

Water Shortage Triple Protection Device

- ✓ The bottom of the sterilization chamber is equipped with three different dry-boiling protection devices: liquid expansion type, copper temperature sensing type, and ion concentration type (water level sensor), which avoids misjudgment caused by a single method.

Calibration Interface:

- ✓ Provide temperature and pressure calibration interface, convenient for calibration

Split Colum Type Locking Cover Device

- ✓ The lid is locked by the split column, the force is more even, the safety is better, and it is safer than the traditional locking device.

Copper Dry Burn Protector

- ✓ The bottom of the cavity is equipped with a copper dry-burning temperature sensor protector, which is more resistant to corrosion than traditional stainless steel and is suitable for more complex sterilization environments.

Humanized Appearance Design

- ✓ The chamber cover and table top are covered with resin heat insulation layer to avoid hot hands.

Electric Double Internal Locks

- ✓ Real-time monitoring of the switch status of the chamber cover to ensure that the chamber cover is closed in place before starting work. At the same time, real-time monitoring of the temperature and pressure in the chamber, the chamber cover can only be opened under a safe temperature and pressure to ensure user safety.



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Overvoltage Double Protection

- ✓ Equipped with mechanical safety valve and electronic overvoltage protection system, once the pressure is abnormal, it can release the pressure and cut off the power to alarm.

Automatic Fault Testing

- ✓ The system monitors the running status in real time, and if there is any abnormality, it will quickly cut off the power and give an alarm, and at the same time display the error code corresponding to the fault.

Background Security Test

- ✓ The system security and security protection measures can be tested regularly.

Electrical Protection

- ✓ High-sensitivity electrical protection system is used to effectively provide leakage protection, over-current and short-circuit protection.

Over-Temperature and Temperature Rising Dual Protection

- ✓ Real-time monitoring of temperature conditions, if there is an abnormal over-temperature or abnormal temperature rise, immediately cut off the power and give an alarm.



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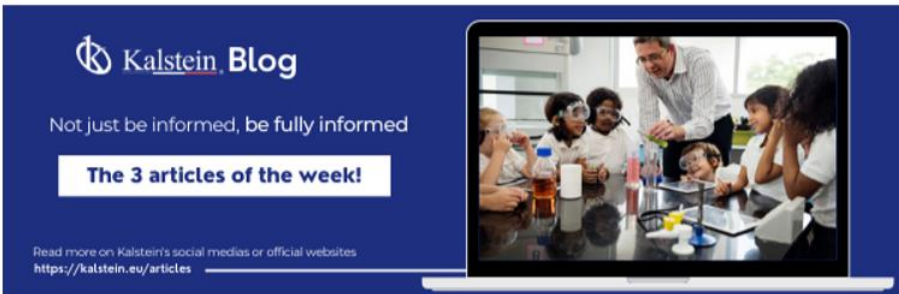
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