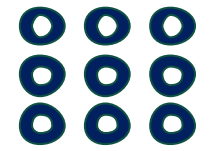# VERSAC – Vertical Steam Sterilizer – Inner water circulation

Drying Function

Max. temp. 133°C

Download Catalogue

LCD   t° LIMITER

Sterilization Temperature up to 133°C

Liquid sterilization program up tp 133°C

LCD Digital Display

Microprocessor control for all parameters.

Safety Function

Over pressure safety valve, electromagnetic safety lock, over temperature safety thermostat protection, door Sensor, anti-dry out function, door cover, chamber sensor, water tank sensor, circuit breaker, protection and signaling in case of water loss, overheating breaker

Exhaust selectable method

Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.

Sterilization programs

10 Selectable programs (6 programs custom settings) for packed, unpacked, dressings, equipment, rubber, liquid, liquid custom, sterilization of solids with rapid release of steam, program for sterilization of liquid medium (agar…), dissolution of medium, B&D testing, culture medium, waste…

Over pressure alarm - Safety valve can automatically open to release pressure.
Over temperature alarm - The system will power off automatically.
Door sensor - Sensor at door checks the door status. If door is open, operation will stop.
Anti-dry out function - If water level is too low, system will power off and error code displays on screen.
Door cover
• The door is covered with safety shell made of thermal insulation material, which can protect operator from burning by heat and looks nice.
Technical Features
• Steam water internal circulation – Integrated water tank (Stainless Steel SUS-304) . No need external water supply
• Deionized water to supply steam chamber
• Rapid water-cooling system for efficient and safe for liquid sterilization for thermo-labile materials
• Sterilization of liquids by a system of variable natural cooling
• Prepares agar and keeps it at 100°C
• Built in printer for recording sterilization data
• Mobile probe detect the internal temperature of liquids directly, to ensure sterilization program of liquid program (optional)
• LCD Screen Display shows pressure, temperature, time, running status, error code, operation curve…
• Auto start programming
• Control software
• Unsteaming push button
• Dual sensing system (temperature and pressure) for controlled excess pressure during the heating phase that reduces the charging time
• Timer programming
• USB and RS232 port to connect with PC and export data
• External housing devices, upper surface, chamber and lid made of SUS-304 stainless steel
• Independent quick service window, easy for repairing and maintenance.
• Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.
• Complete process of preheating, replacement, pulse exhaust, heating, sterilizing and drying run automatically.
• Opening in the chamber for the external control probe
• Hand wheel type of quick-open door structure, self-expandable sealing ring, easy operating and safe.
• Protective Metal Heater Grate
• Quick locking with a single lever
• Adaptability for customized programs
• Timer function and three groups of programs with a maximum of six programs, including the dissolution program
• Automatic operation in the state of sleep mode
• Complete process of filling water, dynamic pulse exhaust, heating, sterilizing, and drying runs automatically.
• Manual Liquid Drain Valve
• Open lid sensor
• Electrical and Mechanical Pressure Gauge for Alternating Validation
• Safety Valve & Thermostat
• Full microprocessor controlled
• Visual and sound alarm breaker in the case of malfunction
• Hydraulic locking of the lid while there is overpressure in the chamber
• Inner stainless steel water tank for water and steam to circulate inside. Steam dose not exhaust during sterilization, so as to keep the outside clean and dry
• Discarding the water after the sterilization process is complete
• Without fixed connections for drainage and water supply
• Caster Swivel Wheel with lock
• According 2014/68/EU (Pressure Equipment Directive), CE 0035

Autoclave Type	VERSAC50	VERSAC75	VERSAC100	VERSAC120
Price				
Chamber Volume L	50	75	100	120
Useful volume	45	65	85	105
Chamber Size mm ø*H	Ø 410*450	Ø 410*600	Ø 410*650	Ø 410*1055
Chamber Material	Medical Stainless-Steel SUS-304			
Max working pressure	1.6 bar			
Working Temperature Range	105-128°C			
Temperature Display Accuracy	±0,1°C			
Temperature variation	≤ ± 0.1°C			
Temperature sensor	Pt100 A Class			
Timer Range Sterilization	1-250 min			
Variable timer function	1min to 7 days			
Dynamic Pulse Exhaust Times	0-9 Times			
Display	LCD digital display			
Water requirement	Distilled or Demineralized			
Melting temp. range	60~100℃(programmable)			
Temp. heating range	45~60℃(programmable)			
Pulse Exhaust	Preheating & Liquid mode Exhaust			
Stainless steel basket	2pc ø*H 405*180mm (10kg each load)	2 pc ø*H 405*270mm (10kg each load)	2 pc ø*H 405*295mm (12kg each load)	3 pc ø*H 405*310mm (10kg each load)
Voltage	AC 230V/240V 50/60Hz (fuse 14,5A) single phase			
Consumption kW	2,5kW	2.7kW	3kW	4,5kW
External Size (W*D*H) mm	650*620*800	650*620*900	650*620*1000	650*620*1370
NW/Kg	87	95	136	151
Optional Accessories	Thermal Printer, Wi-Fi temperature display alarm, Vacuum Pulse sterilization, Drying function, accredited laboratory calibration for pressure, temperature, safety valve,			

Flasks PCS capacity	VERSAC50	VERSAC75	VERSAC100	VERSAC120
Round bottom flask 250ml	12	17	21	24
Round bottom flask 500ml	7	9	14	16
Round bottom flask 1000ml	4	8	9	11
Round bottom flask 2000ml	2	4	5	7
Square bottom flask 500ml	6	8	13	15
Erlenmeyer flask 500ml	4	8	9	11
Erlenmeyer flask 1000ml	2	4	5	7

Please note
If this Autoclave does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts

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