

Vertical Autoclave (Handwheel type)



Model : YR0038-8

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Manufacturer : Kalstein

Price : \$ 7,500.00

Description :

Specifically developed for laboratory sterilisation applications, Vertical Autoclaves, make the process easier, safer, more precise, reproducible and easier to validate. The compact and space-saving design of the Vertical Autoclave makes them great for cramped laboratories, where space is at a premium, and the increased chamber height (up to 50% more capacity) means they can handle most standard media bottles, and Erlenmeyer flasks.

Autoclaves provide a physical method for disinfection and sterilization. They work with a combination of steam, pressure and time. Autoclaves operate at high temperature and pressure in order to kill microorganisms and spores. They are used to decontaminate certain biological waste and sterilize media, instruments and lab ware. Regulated medical waste that might contain bacteria, viruses and other biological material are recommended to be inactivated by autoclaving before disposal.

There are 5 fixed programs and 2 DIY programs according to different sterilization objects such as dressings, equipment, tools, rubber, liquid, culture medium, waste, etc.

Safety Features:

1. Over pressure. Safety valve can automatically open to release pressure.
2. Over temperature. The system will power off automatically.
3. Door sensor. Sensor at door closing position, to check the door status. If door is open, operation will stop.
4. Anti-dry out function. If water level is too low, system will power off and error code displays on screen.
5. Over current. over voltage or electric leakage protection apparatus-air switch.
6. 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.

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Technical features:

- * Water inlet filter to keep high water quality (except YR0046-8/ YR0047-8).
- * Optional printer for recording sterilization data.
- * LED screen displays all steps of full process as well as error codes.
- * Independent quick service window, easy for repairing and maintenance.
- * Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.
- * Sterilization programs for dressings, equipment, rubber, culture medium, waste, etc.
- * Hand wheel type of quick-open door structure, self-expandable sealing ring, easy operating and safe.
- * Complete process of filling water, dynamic pulse exhaust, heating, sterilizing, draining and drying runs automatically.
- * Adopting certain temperature(98~102?) exhaust method and dynamic pulse exhaust method to empty the cold air inside chamber for ensuring steam saturability.
- * 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 (except YR0046-8/ YR0047-8).

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Model	YR0038-8	YR0040-8	YR0042-8	YR0044-8	YR0046-8	YR0047-8
Capacity	50L	75L	100L	120L	150L	200L
Chamber size(Φ*L)	φ386*500	φ386*682	φ386*875	φ386*1055	φ500*760	φ500*1000
Chamber material	304 medical stainless steel					
Max pressure	0.28Mpa					
Max temperature	150°C					
Working temp range	0.175MPa			0.217MPa		
Temp. Accuracy	±0.1°C					
Timing range	0-999min					
Dynamic pulse exhaust time	105-134°C					
Water requirement	60-100°C. (programmable)					
Standard Accessories	40-60°C. (programmable)					
Power Consumption	110V/ 220V, 50/60Hz					
Power supply	4.4KW	4.7KW	5.2KW	5.2KW	6KW	
Externalsize(W*D*H)mm	550*640*970	550*640*1070	550*640*1270	550*640*1370	715*720*1350	715*720*1550
Packing Size(mm)	780*690*1190	780*690*1130	780*690*1510	780*690*1590	760*800*1500	760*800*1690
Gross weight	115	123	136	151	230	260

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Options available for Vertical Autoclave (Handwheel type) :

Capacity (Liters)

YR0039-8 50L 110V (+\$ 500.00),
YR0040-8 75L 220V (+\$ 1,000.00),
YR0041-8 75L 110V (+\$ 1,500.00),
YR0042-8 100L 220V (+\$ 2,000.00),
YR0043-8 100L 110V (+\$ 2,500.00),
YR0044-8 120L 220V (+\$ 6,250.00),
YR0045-8 120L 110V (+\$ 6,750.00),
YR0046-8 150L (+\$ 5,450.00),
YR0047-8 200L (+\$ 7,000.00),
YR0038-8 50L 220V.