



NEW ESV Line

Vertical Steam Sterilizers



STERILIZATION



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Vertical Steam Sterilizers

Manual mobile type vertical autoclaves with 5 fixed programs and 4 DIY programs according to different sterilization requirements. Vertical models mainly used in hospitals, laboratories, universities and other institutes.

Safety

- Over pressure safety valve that can automatically open to release pressure.
- Overpressure automatic shutdown.
- Sensor at door closing to check the door status. If door is open, operation will stop with a screen warning.
- Anti dry-out function. If water level is too low, system will power off and error code displays
- Over current, over voltage or electric leakage protection safety switch.
- The door is covered with safety shell with high thermal insulation which can protect operator from burning by heat.

Main features

- Complete process of filling water, dynamic pulse exhaust, heating, sterilizing, draining and drying run automatically.
- LED screen displays all steps of full process as well as error codes.
- Sterilization programs for dressings, equipment, rubber, culture medium, waste, etc...
- Adopting certain temperature (98-102 °C) exhaust method and dynamic pulse exhaust take out the cold air inside the chamber to ensure steam saturability.
- Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.
- Inner stainless steel tank for water and steam for inside circulation. Steam does not exhaust during sterilization in order to keep clean and dry the outside.
- Independent knock-down service window, for easy for repairing and maintenance.



Technical features

Cod.	ESV-50L	ESV-75L	ESV-100L	ESV-120L
Volume	50 L	75 L	100 L	120 L
Chamber dimension	Ø 386 x 50 mm	Ø 386 x 682 mm	Ø 386 x 875 mm	Ø 386 x 1055 mm
Power consumption	4.4KW	4.7KW	5.2KW	5.2KW
Outer size(W*D*H)	550x640x980 mm	550x640x1080 mm	550x640x1260 mm	550x640x1420 mm
Net weight	70 kg	85 kg	105 kg	120 kg
Chamber Material	304 medical stainless steel			
Max designed pressure	0.28Mpa			
Max designed temp.	150°C			
Working pressure	0.22MPa			
Working temp range	105-136°C			
Temp accuracy	±0,1°C			
Timing range	0-999min			
Dynamic pulse exhaust times	0-9 times			
Dynamic pulse exhaust temp.	105-13°C			
Dissolution temp range	60-100°C (programmable)			
Temp holding range	40-60°C (programmable)			
Power supply	AC11 0/220V, 50/60Hz; 22A			
Standard accessories	2 x Stainless steel basket			



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