FD Vertical Autoclave



Product Features

- Certified by SFDA with medical device registration and production license
- Each sterilization stage is displayed with LED lights,making the sterilization process clear at a glance
- Microcomputer intelligent control system,achieves fully automatic control of the sterilization process
- Pulse method to completely purge out cold air.(SE/SR only)
- System automatically monitors the discharge of cold air to ensure a pure steam sterilization environment and the best sterilization effect
- Up to 20 error information records can be stored,facilitating instrument management
- Built in water tank for internal discharging of steam,effectively absorbing water vapor from exhaust process.(SE/SR only)
- Fully automatic drying function or semi-automatic drying function choice(SR only)
- Fully automatic drying:Equipped with an air pump and a 0.2um air filter,it automatically starts drying after sterilization.
  After sterilization,clean air will be put in to replace the wet air inside,so as to improve drying efficiency.
  (Fully automatic drying is an option for SR only)

Safety Features

- **Lid closing checking**
  Machine can not start if lid is not locking well,the self-induction interlock device can avoid risk of misuse
- **Unique anti-scald cover**
  Nice look an davoid causing scald
- **Triple protection for lack of water**
  The bottom of the sterilization chamber is equipped with three different dry burning protection devices: liquid expansion type,copper temperature sensing type, and electric ion type(water level sensor), to avoid misjudg- ment caused by a single method
- **Double protection for over pressure**
  Mechanical pressure gauge and electric sensing system, once pressure is abnormal, system will cut power, release the pressure and send out alarm
- **Auto trouble shooting**
  System will monitor the working status,and will cut the power, send out alarm, and report the error information once any abnormal situation detected
- **Safety test function**
  Regular testing of system security and safety protection measures is possible
- **Real time monitor**
  System will monitor the lid locking, pressure and temperature status on a real time basis to guarantee the safe and successful work of the autoclave
- **Electrical protection**
  Equipped with a highly sensitive electrical protection system, effectively providing leakage protection, overcurrent and short-circuit protection



Spare Parts Option



Micro printer
To print temp., time and F0 value



Digital pressure sensor



Tray



Stainless steel bucket



IQ/OQ/PQ (3Q)adapter joint



Adjust foot

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Technical Data

Model	Basic	FD29SA	FD50SA	FD80SA	FD100SA
	Pulse	FD29SE	FD50SE	FD80SE	FD100SE
	Drying		FD50SR	FD80SR	FD100SR
Capacity (L)		29	50	80	100
Dimension (L*W*H)(mm)		580x490x960	580x490x1085	730x625x1100	730x625x 1200
Chamber Dimension (Dia*H)(mm)		ϕ 320x378	ϕ 320x725	ϕ 400x 700	ϕ 400x800
Power Requirements		220V±10% 15A 50HZ/60HZ		220V±10% 25A 50HZ/60HZ	
Rated Power (W)		2600W	2600W	4600W	4600W
Sus304 Basket Size (pcs)		(ϕ 298x260) x1	(ϕ 298x195) x3	(ϕ 360x 275) x2	(ϕ 360x215) x3
Chamber Material		SUS304 stainless steel			
Sterilization Temperature		105°C ~ 135°C			
Sterilization Time Range		1 ~ 300min			
Pressure Gauge Range		-0.1MPa ~ 0.5MPa			
Pulse Times		0~9 times (SE/SR only)			
Exhaust Temperature Range		73°C~104°C (SE/SR only,liquid mode)105°C ~ 130°C (Solid mode)			
Safety Valve Set Pressrue		0.29MPa			
Drying		Drying temperature: 80°C ~ 160°C Drying time: 1 ~ 300 min			
Sterilization Mode		Solid mode Liquid mode Sterilization+drying (SR only)			
Controller		Microcomputer control system			
Safety Device		Lid closing checking,over temperature protection system,dry scorch protection,over pressure protection,safety valve,over current/short circuit/electric leakage protection,scald protection, automatic failure-inspection system			

Note: FD-SA has liquid mode,but can not preset the exhaust temperature for liquid mode