Drug Stability Test Chamber







Wi-Fi reception



Print port

Product Features

- The working chamber is made of SUS304 mirror-finish stainless steel, featuring strong corrosion resistance, long service life, and rounded corners for easy cleaning. Double-layer door structure: inner door is high-quality tempered glass for convenient sample observation; outer door is equipped with magnetic rubber strips for easy opening/closing and excellent sealing.
- The control panel adopts a 7.0-inch color touch screen with user-friendly software and graphical display interface, enabling easy and intuitive setting, modification and query of temperature, humidity and other parameters. Functions include scheduled start-up, historical data curve query, and U-disk data export.
- Standard mobile APP remote control function for remote monitoring, parameter viewing and setting modification, with synchronized audit trail. Electronic door lock is optional for easier management.
- Key components such as temperature sensor, humidity sensor and compressor are imported, ensuring long-term stable, safe and reliable operation.
- Air circulation system: rear-mounted fan with unique air duct design, delivering uniform temperature distribution inside the working chamber.
- Heating method: electric heating system with independent over-temperature protection, which automatically cuts off heating when temperature exceeds the set value to ensure safety.
- Humidification method: built-in humidification system with small humidification particles and low water consumption, equipped with automatic water supply and water shortage alarm. Water supply mode: automatic circulating water supply system to prevent mold growth in the water supply system from affecting the test.
- Cooling method: low-energy design with dual inverter compressor cooling unit. If one cooling system fails, the system automatically switches to the backup one and alarms to protect samples.
- Manufactured in compliance with GMP, FDA, ICH and relevant requirements of the Chinese Pharmacopoeia.
- Technical Specifications: Refer to GB/T 10586-2006.

Technical Parameters

Model		FS-500SD	FS-800SD	FS-1000SD	FS-1500SD
Circulation Mode		Forced convection, rear microplate front air supply			
Performance	Operating Temperature Range	10~65℃			
	Temperature Resolution	0.1℃			
	Temperature Fluctuation	±0.5℃			
	Temperature Uniformity	±1.0℃			
	Humidity Control Range	15%~95%RH			
	Humidity Fluctuation	±3% RH			
Structure	Working Chamber	SUS304 mirror-finish stainless steel			
	Outer Shell	Cold-rolled steel plate with electrostatic spraying			
	Insulation Layer	Polyurethane			
	Heater	Stainless steel heating tube			
	Rated Power	2.3kW	3.0kW	3.2kW	4.0kW
	Compressor	Imported brand air-cooled inverter compressor			
	Refrigerant	R134A			
	Defrosting Structure	Automatic			
	Humidity Control Mode	Automatic			
Controller	Temperature Control Mode	24-segment program			
	Temperature Setting Mode	Touch screen setting			
	Temperature Display	7.0-inch true color touch screen			
	Operation Functions	Fixed value operation, timed operation, auto stop / scheduled start, program operation			
	Program Mode	Standard			
	Sensor	Pt100 temperature sensor, imported chip humidity sensor			
	Additional Functions	Scheduled start, historical temperature/humidity curve query, U-disk data storage/export, deviation correction, menu button lock, power-off compensation, power-off memory, loop self-diagnosis, intelligent defrosting			
Safety Device		Over-temperature automatically cuts off heating; long-term under-temperature cuts off cooling system to protect samples; loop self-diagnosis			
Dimensions	Inner Size (W*D*H mm)	600*600*1300	1340*500*1200	1400*510*1400	1500*710*1400
	Outer Size (W*D*H mm)	855*1050*2000	1595*950*1900	1655*960*2100	1755*1160*2100
	Packing Size (W*D*H mm)	975*1170*2200	1715*1070*2100	1772*1080*2300	1755*1280*2300
	Internal Volume	468L	800L	1000L	1500L
	Shelf Load Capacity	20kG			
	Shelf Layers	14 shelf	12 shelf	16 shelf	16 shelf
	Shelf Spacing	50mm			
	Power Supply (50/60Hz) Rated Current	AC220V/10.4A	AC220V/13.6A	AC220V/14.5A	AC220V/18.2A
	Net/Gross Weight (kg)	320/400	400/580	440/530	510/630
Accessories	Shelves	4pcs			
	Shelf Brackets	8pcs			
Optional Configurations		Extra shelves, USB communication interface & host computer software, electronic door lock			