Professional Laboratory Apparatus Manufacturer

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Change the catalogue data without notice, the company has the right of final interpretation

Forced Air Drying Oven

◎Used for drying, baking, wax, heat treatment.

Characteristics:

- Horizontal air circularly by double air ducts, high efficiency and high uniformity.
- PID controller, with over–temperature protection function.
- With fan switch,LED digital display,high temperature blast motor.
- New anti–hot handle

WGLL–BE series have the following characteristics other than the above functions.

- LCD temperature controller.
- 4 grades speed fan, adjustable for different requirements.
- Over–temperature protection system.
- High precision digital independent temperature limiter.
- 304:SUS304 Stainless Steel Body.



Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		WGL–30B / WGLL–30BE / WGLL–30BE(304)	WGL–45B / WGLL–45BE / WGLL–45BE(304)	WGL–65B / WGLL–65BE / WGLL–65BE(304)	WGL–85B / WGLL–85BE / WGLL–85BE(304)	WGL–125B / WGLL–125BE / WGLL–125BE(304)	WGL–230B / WGLL–230BE	WGL–625B / WGLL–625BE
Cycle Mode		Forced convection						
Function	Temp. Range	RT+10–300℃						
	Temp. Resolution Ratio	0.1℃						
	Temp. Motion	±1℃						
	Temp. Uniformity	±2.5%						
Structure	Inner Chamber	Mirror Stainless Steel						
	Outer Shell	Cold rolling steel electrostatic spraying exterior / 304:SUS304						
	Insulation Layer	High quality rock wool board(with CE)						
	Heater	Stainless steel heater						
	Power Rating	0.8kW	1.2kW	1.6kW	2.0kW	2.3kW	3.0kW	5.0kW
	Exhaust Hole	ϕ35mm top(with function of test hole)					Rear exhaust	Top double exhaust
Controller	Temp. Control Mode	Two temperature section PID intelligent						
	Temp. Setting Mode	Touch button setting						
	Temp. Display Mode	B model: Measuring temperature: display on the four digital tubes upper row, setting temperature: display on the lower row						
		BE model: Measuring temperature display on upper LCD screen， setting temperature display on the lower row						
	Timer	0–9999min(with timing wait function)						
	Operation Function	Fixed temperature operation, timing function, auto stop.						
	Additional Function	B model: Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory						
		BE model: High precision digital independent temperature limiter,4 grades 3 speed adjustable–speed fan (230 and 625 model BE without fan speed adjustor), sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory						
	Sensor	PT100						
	Safety Device	B type:Over temperature sound–light alarm; BE type: Digital Independent Temp. limiter, Over temperature sound–light alarm.						
Specification	Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750	760*660*1250
	Exterior Size (W*L*H)(mm)	450*500*690	490*540*730	540*550*830	590*610*830	640*640*930	735*835*1115	974*895*1677
	Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287	1061*1000*1885
	Volume	30L	45L	65L	85L	125L	230L	625L
	Max. Shelf Number	5	6	8	8	11	17	11
	Load Per rack	15kg						
	Shelf Space	40mm						100mm
	Power Rating (50/60HZ)	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A	AC380V/7.6A
	NW/GW (kg)	33/37	37/43	44/49	50/56	60/66	94/120	150/190
Accessory	Shelf	2						
	Shelf Frame	4						
optional accessories		B type: Spare shelf, BE type: Spare shelf, RS485 interface, printer, Program controller, U–disk storage; 3.5–inch color touch screen temperature controller.						

Constant-temperature Drying Oven

◎Used for drying, baking, heat treatment .

Characteristics:

- In the workroom, the hot air is convective naturally and cyclically.
- PID micro–computer intelligent temperature controller with functions of over–temperature protection.
- Standard highlight LED instrument running light.
- New anti–hot handle.

WHLL–BE series have the following characteristics other than the above functions.

- LCD temperature controller.
- Over–temperature protection system.
- High precision digital independent temperature limiter.





Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		WHL–30B WHLL–30BE	WHL–45B WHLL–45BE	WHL–65B WHLL–65BE	WHL–85B WHLL–85BE	WHL–125B WHLL–125BE
Cycle Mode		Natural convection				
Function	Temp. Range	RT+10–300℃				
	Temp. Resolution Ratio	0.1℃				
	Temp. Motion	±1℃				
	Temp. Uniformity	±3.5%				
Structure	Inner Chamber	Mirror Stainless Steel				
	Outer Shell	Cold rolling steel electrostatic spraying exterior				
	Insulation Layer	High quality rock wool board(with CE)				
	Heater	Nickel chromium alloy heating wire				
	Power Rating	0.8kW	1.2kW	1.6kW	2.0kW	2.5kW
	Exhaust Hole	ϕ35mm top(with function of test hole)				
Controller	Temp. Control Mode	Two temperature section PID intelligent				
	Temp. Setting Mode	Touch button setting				
	Temp. Display Mode	B model: display on LED				
		BE model: display on LCD				
	Timer	0–9999min(with timing wait function)				
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop.				
	Additional Function	B model: Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory				
		BE model: High precision digital independent temperature limiter. sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory				
	Sensor	PT100				
	Safety Device	B type: Over temperature sound–light alarm; BE type: Digital Independent Temp. limiter, Over temperature sound–light alarm.				
Specification	Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550
	Exterior Size (W*L*H)(mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915
	Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100
	Volume	30L	45L	65L	85L	125L
	Shelf Number	5	6	8	8	11
	Load Per Rack	15kg				
	Shelf Space	40mm				
	(50/60HZ)Current Rating	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/10.5A	AC220V/10.5A
	NW/GW (kg)	33/37	37/43	44/49	50/60	60/66
Accessory	Shelf	2				
	Shelf Frame	4				
Optional Accessories		B type: Spare shelf; BE type: Spare shelf, RS485 interface, printer, Program controller, U–disk storage; SUSS304 body, 3.5–inch color touch screen temperature controller.				

Horizontal Drying Oven

◎High precision and large density sample drying treatment.

Characteristics:

- Horizontal air type, high space utilization and good temperature uniformity.
- 101: Forced fan cooling intake structure, the maximum working temperature <50 ℃, the fan long–term longevity operation.
- 202:Classical natural convection drying method.
- New anti–hot handle.





Patent No. : ZL 2018 3 0094606.5

Main technical parameters:

Model		101–0A/101–0AB 202–0A/202–0AB	101–1A/101–1AB 202–1A/202–1AB	101–2A/101–2AB 202–2A/202–2AB	101–3A/101–3AB 202–3A/202–3AB
Cycle Mode		101 means Forced convection; 202 means Natural convection			
Function	Temp. Range	RT+10–250℃			
	Temp. Resolution Ratio	0.1℃			
	Temp. Motion	±1℃			
	Temp. Uniformity	101 model ±2.5%, 202 model ±3.5%			
Structure	Inner Chamber	B model:High quality stainless steel; without B model:High strength galvanized sheet			
	Outer Shell	Cold rolling steel electrostatic spraying exterior			
	Insulation Layer	High quality rock wool board(with CE)			
	Heater	101 model with Stainless steel electric heating tube; 202 model with Nickel chromium alloy heating wire			
	Power Rating	1.2kW	1.6kW	2.3kW	3.0kW
	Exhaust Hole	ϕ35mm top(with function of test hole)			
Controller	Temp. Control Mode	Two temperature section PID intelligent			
	Temp. Setting Mode	Touch button setting			
	Temp. Display Mode	LED Digital display			
	Timer	0–9999min(with timing wait function)			
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop.			
	Additional Function	Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory			
	Sensor	PT100			
Safety Device		Over temperature sound–light alarm			
Specification	Inner Chamber Size(W*L*H)(mm)	350*350*350	450*350*450	550*450*550	600*500*750
	Exterior Size (W*L*H)(mm)	652*472*587	752*472*687	852*572*786	902*622*986
	Packing Size (W*L*H)(mm)	745*605*745	845*605*850	945*705*950	955*755*1150
	Volume	43L	71L	136L	225L
	Max Shelf Number	9	13	17	25
	Load Per Rack	15kg			
	Shelf Space	25mm			
	(50/60HZ)Current Rating	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/13.6A
	NW/GW (kg)	33/37	45/50	62/68	77/96
Accessory	Shelf	2			
	Shelf Frame	4			
Optional Accessories		Shelves			

Hot Air Sterilizing Drying Oven

◎Easy to operate efficient dry heat sterilizer.

Characteristics:

- Horizontal air circularly by double Air ducts, high efficiency and high uniformity.
- PID controller, with over–temperature protection function.
- With fan switch,LED digital display,high temperature blast motor.
- New anti–hot handle.

GXBE series have the following characteristics other than the above functions.

- LCD temperature controller.
- 4 grades speed fan, adjustable for different requirements.
- Over–temperature protection system.
- High precision digital independent temperature limiter.
- 304:SUS304 Stainless Steel Body.



Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		GX–30B GX–30BE GX–30BE(304)	GX–45B GX–45BE GX–45BE(304)	GX–65B GX–65BE GX–65BE(304)	GX–85B GX–85BE GX–85BE(304)	GX–125B GX–125BE GX–125BE(304)	GX–230B GX–230BE
Cycle Mode		Forced convection					
Function	Temp. Range	RT+10–300℃					
	Temp. Resolution Ratio	0.1℃					
	Temp. Motion	±1℃					
	Temp. Uniformity	±2.5%					
Structure	Inner Chamber	Mirror Stainless Steel					
	Outer Shell	Cold rolling steel electrostatic spraying exterior, 304: SUS304					
	Insulation Layer	High quality rock wool board (with CE)					
	Heater	stainless steel heater					
	Power Rating	0.8kW	1.2kW	1.6kW	2.0kW	2.3kW	3.0kW
	Exhaust Hole	ϕ35mm top (with function of test hole)					
Controller	Temp. Control Mode	Two temperature section PID intelligent					
	Temp. Setting Mode	Touch button setting					
	Temp. Display Mode	B model:LED Digital Display					
		BE model: LCD Digital display					
	Timer	0–9999min(with timing wait function)					
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop.					
	Additional Function	B model: Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory					
		BE model: High precision digital independent temperature limiter.4 grades 3 speed adjustable–speed fan (GX230BE without fan speed adjustor), sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory					
	Sensor	PT100					
	Safety Device	B type: Over temperature sound–light alarm; BE type: Digital Independent Temp. limiter, Over temperature sound–light alarm.					
Specification	Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
	Exterior Size (W*L*H)(mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	735*835*1115
	Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287
	Volume	30L	45L	65L	85L	125L	230L
	Shelf Number	5	6	8	8	11	17
	Load Per Rack	15kg					
	Shelf Space	40mm					
	Current Rating(50/60HZ)	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A
	NW/GW (kg)	33/37	37/43	44/49	50/56	60/66	94/120
Accessory	Shelf	2					
	Shelf Frame	4					
Optional Accessories		B type: Spare shelf, BE type: Spare shelf, RS485 interface, printer, Program controller, U–disk storage; 3.5–inch color touch screen temperature controller.					

Portable Drying and sterilization box

◎Used for industrial and mining enterprises, scientific research institute, laboratory drying in hospital health and other units, drying of dental instruments,sterilization.

Characteristics:

- Horizontal air circularly by double air ducts,high efficiency and high uniformity.
- 3.5 inch touch screen controller, two temperature section PID intelligent. Preset 4 operating temperatures, the temperature can be edited, select the mode, click run, run automatically, stop automatically , operation is convenient.
- Over temperature sound–light alarm,Sensor deviation correc–tion, temperature overshoot self–tuning, power–off parameter memory.



Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		FDS–30BE	FDS–65BE
Cycle Mode		Forced convection	
Function	Temp. Range	RT+10–300° C	
	Temp. Resolution Ratio	0.1° C	
	Temp. Motion	±1° C	
	Temp. Uniformity	±2.5%	
Structure	Inner Chamber	Mirror Stainless Steel	
	Outer Shell	Cold rolling steel electrostatic spraying exterior	
	Insulation Layer	High quality rock wool board	
	Heater	Stainless steel heater	
	Power Rating	0.8kW	1.6kW
	Exhaust Hole	ϕ35mm top(with function of test hole)	
Controller	Temp.Control Mode	Two temperature section PID intelligent	
	Temp.Setting Mode	3.5 inch touch screen	
	Temp.Display Mode	Touch screen preset 4 mode settings, select a good mode to set the temperature time	
	Timer	0–9999min(with timing wait function)	
	Operation Function	Fixed temperature operation,fixed timing operation,auto stop	
	Additional Function	Over temperature sound–light alarm, Sensor deviation correction, temperature overshoot ,self–tuning, power–off parameter memory	
	Sensor	pt100	
Safety Device		Over temperature alarm and cut off heating	
Specification	Inner Chamber Size(W*L*H)(mm)	310*310*310	400*360*450
	Exterior Size(W*L*H)(mm)	450*500*690	540*550*830
	Packing Size(W*L*H)(mm)	540*575*855	635*625*995
	Volume	30L	65L
	Shelf number	6	9
	Load Per Rack	15kg	
	Shelf Space	35mm	
	Power Rating(50/60HZ)	AC220V/3.6A	AC220VI7.2A
	NW/GW(kg)	33/37	44/49
Accessory	Shelf	2	
	Shelf Frame	4	
Optional Accessories		Spare shelf, RS485 Communication Interface, High temperature resistant UVC germicidal lamp	

Drying oven/Incubator (Double function)

◎Drying, baking, wax, heat treatment and bacterial culture in one chamber.

Characteristics:

- Horizontal air circularly by double air ducts, high efficiency and high uniformity.
- PID controller, with over-temperature protection function.
- With oven/Incubator change switch, fan switch; and high temperature blast motor, LED digital display.
- New anti-hot handle.

GP-BE series have the following characteristics other than the above functions.

- LCD temperature controller.
- 4 grades speed fan, adjustable for different requirements.
- Over-temperature protection system.
- High precision digital independent temperature limiter.
- 304:SUS304 Stainless Steel Body.



Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		GP-30B / GP-30BE / GP-30BE(304)	GP-45B / GP-45BE / GP-45BE(304)	GP-65B / GP-65BE / GP-65BE(304)	GP-85B / GP-85BE / GP-85BE(304)	GP-125B / GP-125BE / GP-125BE(304)	GP-230B / GP-230BE
Cycle Mode		Forced convection					
Function	Temp. Range	Incubator:RT+5-80℃ Drying oven:80-300℃					
	Temp. Resolution Ratio	0.1℃					
	Temp. Motion	±1℃					
	Temp. Uniformity	±2.5%					
Structure	Inner Chamber	Mirror Stainless Steel					
	Outer Shell	Cold rolling steel electrostatic spraying exterior 304:SUS 304 embossed stainless steel shell					
	Insulation Layer	High quality rock wool board(with CE)					
	Heater	Stainless steel heater					
	Power Rating	0.8kW	1.2kW	1.6kW	2.0kW	2.3kW	3.0kW
	Exhaust Hole	ϕ35mm top(with function of test hole)					
Controller	Temp. Control Mode	PID Two temperature section intelligent					
	Temp. Setting Mode	Touch button setting					
	Temp. Display Mode	B type: LED Digital Display					
		BE model: LCD Digital display					
	Timer	0-9999min(with timing wait function)					
	Operation Function	Fixed temperature operation, timing function, auto stop.					
	Additional Function	B model: Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory					
		BE model: High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan (GP230B/BE without fan speed adjustor), sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory					
	Sensor	PT100					
	Safety Device	B type: Over temperature sound-light alarm; BE type: Digital Independent Temp. limiter, Over temperature sound-light alarm.					
Specification	Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
	Exterior Size (W*L*H)(mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	735*835*1115
	Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287
	Volume	30L	45L	65L	85L	125L	230L
	Shelf Number	5	6	8	8	11	17
	Load Per Rack	15kg					
	Shelf Space	40mm					
	Current Rating	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A
	NW/GW (kg)	33/37	37/43	44/49	50/56	60/66	94/120
Accessory	Shelf	2					
	Shelf Frame	4					
Optional Accessories		B type: Spare shelf; BE type: Spare shelf, RS485 interface, printer, Program controller, remote control,U-disk storage; wireless SMS alarm, 3.5 inch color touch screen temperature controller.					

Vacuum Drying Oven

◎For the design of drying heat sensitive and easy decomposition, easy oxidation material, inert gas into.



Patent No. : ZL 2018 3 0094764.0

Characteristics:

- 4-sides heating method, temperature conduction by shelves, more efficiency.
- With inflatable port, once-forming thermostability silica gel sealant strip, with good tightness
- Double layer observation glass window, inner is toughened glass, outside is resin protection plate, more safety.
- Fastening handle, convenient for opening and closing.

Main Technical Parameters:

Model		DZ-1BC Ⅱ	DZ-2BC Ⅱ	DZ-3BC Ⅱ
Heating Mode		Four walls heat conduction and decompression		
Function	Temp. Range	RT+10-250℃		
	Useful Vacuum Degree Range	<133Pa		
	Temp. Resolution Ratio	0.1℃		
	Tamp. Motion	±1℃		
	Heating-Up Time	80min	100min	120min
Structure	Inner Chamber	High quality hairline stainless steel sheet		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	High quality aluminum silicate cotton(with CE)		
	Heater	Stainless steel electric heating tube		
	Observation Window	Bullet proof glass, acrylic exterior protection		
	Vacuum Meter	Pointer type, accuracy class 2.5		
	Nozzle Diameter	10mm		
	Power Rating	0.8kW	1.4kW	2.0kW
Controller	Temp. Control Mode	Two temperature section PID intelligent		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	Measuring temperature: display on the four digital tubes upper row ; setting temperature: display on the lower row		
	Timer	0-9999min(with timing wait function)		
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop.		
	Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory		
	Sensor	PT100		
Safety Device		Over temperature sound-light alarm		
Specification	Inner Chamber Size(W*L*H)(mm)	300*300*270	415*370*340	450*450*450
	Exterior Size (W*L*H)(mm)	480*480*606	560*540*680	640*590*780
	Packing Size (W*L*H)(mm)	580*540*760	695*610*824	730*690*944
	Volume	24L	52L	91L
	Number Of Shelf	2		
	Load Per Rack	15kg		
	Shelf Space	100mm	140mm	185mm
	50/60HZ)Current Rating	AC220V/3.6A	AC220V/6.3A	AC220V/9.1A
	NW/GW (kg)	42/52	67/92	82/105
Accessory	Shelf	2		
	Shelf Frame	4		
Optional Accessories		Silica gel connecting pipe, vacuum pump		

Precision Vacuum Drying Oven

Characteristics:

- 4–sides Heating method, Temperature conduction by shelves, more effi–ciency.
- With inflatable port, once–forming thermostability Silica gel Sealant strip, with good tightness
- Double Observation glass window, inner is explosion – proof glass, outside is resin protection plate, more safety.
- Fastening handle, convenient for opening and closing.
- LCD controller,multiple groups of date3 display on one screen, intelligent PID control system, with PT100 sensor.
- LCD vacuum gauge, accuracy class 0.5, Mpa, Kpa, bar, Psi, KGF/cm² five pressure units optional switch.



Patent No.: ZL 2018 3 0094764.0

Main Technical Parameters:

Model		DZ–1BIV	DZ–2BIV	DZ–3BIV
Heating Mode		Four walls heat conduction and decompression		
Function	Temp. Range	RT+10–250℃		
	Useful Vacuum Degree Range	<133Pa		
	Temp. Resolution Ratio	0.1℃		
	Temp. motion	±1℃		
	Heating–Up Time	80min	100min	120min
Structure	Inner Chamber	High quality stainless steel sheet		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Aluminum silicate fiber		
	Heater	Stainless steel electric heating tube		
	Observation Window	Bullet proof glass, acrylic exterior protection		
	Vacuum Meter	LCD accuracy class 0.5		
	Nozzle Diameter	10mm		
	Power Rating	0.8kW	1.4kW	2.0kW
Controller	Temp. Control Mode	Two temperature section PID intelligent		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	LCD Digital screen		
	Timer	0–9999min(with timing wait function)		
	Operation Function	Fixed temperature operation, fixed timing operation, auto stop		
	Additional Function	Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory		
	Sensor	PT00		
Safety Device		Over temperature sound–light alarm		
Specification	Inner Chamber Size(W*L*H)(mm)	300*300*270	415*370*340	450*450*450
	Exterior Size (W*L*H)(mm)	480*480*606	560*540*680	640*590*780
	Packing Size (W*L*H)(mm)	580*540*760	695*610*824	730*690*944
	Volume	24L	52L	91L
	Number Of Shelf	2		
	Load Per Rack	15kg		
	Shelf Space	100mm	140mm	185mm
	50/60HZ)Current Rating	AC220V/3.6A	AC220V/6.3A	AC220V/9.1A
	NW/GW (kg)	42/52	67/92	82/105
Accessory	Shelf	2		
	Shelf Frame	4		
Optional Accessories		Silica gel connecting pipe, vacuum pump； Wireless SMS alarm		

Automatic Precision Vacuum Drying Oven

(Pluggable shelf heating)

◎It is designed for drying heat–sensitive, easily decomposed and easily oxidized substances. It is widely used in medicine, food, light industry, chemical industry, agricultural scientific research, environmental protection and other experimental fields.

Characteristics:

- SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
- Independent pluggable shelf heating.
- Fixed value or program operation mode, true color 5.0–inch touch screen multi–section PID temperature controller, high temperature control accuracy, real–time temperature curve record, convenient for users to see the heating process. The program mode can realize temperature control and vacuum degree multi–stage programming operation to improve the experimental efficiency.
- Automatic vacuum degree control system, set the vacuum degree, automatically reach the set vacuum degree. Standard with inflatable port, manual and electric double set of exhaust device.
- Users can configure the vacuum pump, standard with the vacuum pump oil return device, convenient for customers to use, avoid the vacuum pump oil return.
- BLT type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pump.



5.0 Inch touch screen



BL model



BLT model

Patent No. : ZL 2018 3 0094764.0

Main Technical Parameters:

Model		DZ-2BL / DZ-2BLT	DZ-3BL / DZ-3BLT
Heating Mode		Shelf direct heating	
Function	Temp. Range	RT+10-250℃	
	Vacuum Degree Range	<133Pa	
	Temp. Resolution Ratio	0.1℃	
	Temp. Motion	±1℃	
	Heating-Up Time	≤40 minutes	
Structure	Inner Chamber	SUS304 mirror stainless steel	
	Outer Shell	SUS304 embossed stainless steel	
	Shelf	5083 Corrosion resistant aluminum plate	
	Insulation Layer	Aluminium silicate fibre	
	Heater	Mica electrothermal film	
	Observation Window	Bulletproof tempered glass	
	Vacuum Meter	Absolute pressure accuracy class 0.25	
	Exhaust device	Manualand & Electric exhaust device	
	Air intake port	Standard inflation port	
	BLT Vacuum Pump System (BL: without Vacuum Pump)	Double stage rotary vane vacuum pump 2L/S	Double stage rotary vane vacuum pump 4L/S
		Vacuum pump air inlet drying filter	
		Vacuum pump exhaust oil mist filter	
	Nozzle Diameter	10mm	
	Power	BL: 1.2kW / BLT: 1.6kW	BL: 1.6kW / BLT: 2.0kW
Controller	Temp. Control Mode	5.0-inch LCD color touch screen multi-stage PID program temperature control, single shelf independent temperature control	
	Temp. Setting Mode	Touch Screen Type	
	Timer	0-9999 minutes / 0-9999 hours (can adjust)	
	Operation Function	Fixed value operation, regular operation, automatic stop	
	Fixed Value Mode	Control temperature and vacuum at the same time	
	Program Mode	Control temperature and control vacuum at the same time ,30 programmable operation	
	Additional Function	Vacuum pump oil return preventer	
		Real-time temperature curve recording, with U disk data storage and export function	
		Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memory	
	Temp. Sensor	PT100	
Safety Device		Over temperature acoustooptic alarm, sensor fault alarm, vacuum overvalue alarm	
Specification	Inner Chamber(W*D*Hmm)	415*370*340	450*450*450
	Exterior Size(W*D*Hmm)	635*565*796 (BLT:635*565*1296)	670*645*906 (BLT: 670*645*1406)
	Packing Size(W*D*Hmm)	710*705*1002 (BLT: 710*705*1502)	790*740*1112 (BLT: 790*740*1612)
	Capacity	52L	91L
	Number of Shelf	2	
	Load per Rack	15kg	
	Shelf Space	140mm	185mm
	Power Supply(50/60HZ) Current Rating	AC220V/6.3A	AC220V/9.1A
	NW/GW(kg)	BL：67/92 / BLT：87/112	BL：82/105 / BLT：102/125
Accessory	Shelf	2	
	Shelf Frame	4	
Optional Accessories		Shelf (Independent temperature control) ,RS485 transfer to USB communication interface,Printer,Remote control, wireless SMS alarm	

Big Forced Air Drying Oven

◎Large capacity industrial high precision drying oven to meet the requirements of military industry.



Patent No. : ZL 2018 3 0094606.5

Characteristics:

- PID or program temperature control controller, with over–temperature alarm system.
- Double doors ensure that use is convenient.
- Forced air system, with Low–noise fan, centrifugal cycle mothod, high tem–perature uniformity.

Main Technical Parameters:

Model		DGF–4A / DGF–4AB	DGF–5A / DGF–5AB	DGF–6A / DGF–6AB	DGF– 7A / DGF–7AB	DGF–8A / DGF–8AB
Cycle Mode		Fan – forced circulation				
Function	Temp. Range	RT+10–250℃		RT+10–300℃		
	Temp. Resolution Ratio	0.1℃				
	Temp. Motion	±1℃				
	Temp. Uniformity	±3%				
Structure	Inner Chamber	A: Iron inner chamber AB: Stainless steel inner chamber				
	Outer Shell	Galvanized sheet electrostatic spraying exterior				
	Insulation Layer	High quality rock wool board(with CE)				
	Heater	Stainless steel heating tube				
	Power Rating	6kW	6.6kW	9kW	12kW	15kW
	Exhaust Hole	On top or side				
Controller	Temp. Control Mode	PID intelligent control or Multi – segment programmable control (optional)				
	Temp. Setting Mode	Touch button setting				
	Temp. Display Mode	LCD Digital Display				
	Timer	0–9999min (with timing wait function))				
	Operation Function	Fixed temperature operation, timing function, auto stop.				
	Additional Function	Temperature deviation correction, menu locked, power–off memory				
	Sensor	PT100				
Safety Device		One key to start overheat power off				
Specification	Inner Chamber Size (W*L*H)(mm)	800*800*1000	1000*1000*1000	1000*1000*1300	1200*1200*1300	1600*1200*1600
	Exterior Size (W*L*H)(mm)	940*1000*1400	1040*1200*1400	1230*1200*1670	1330*1400*1670	1750*1400*2070
	Packing Size (W*L*H)(mm)	1060*1090*1520	1260*1290*1520	1350*1300*1890	1550*1500*1890	1950*1500*1910
	Volume	640L	1000L	1300L	1870L	3070L
	Max. Shelf Number	11	11	15	15	18
	Load Per Rack	30kg				
	Shelf Space	70MM				
	Power Supply (50/60HZ)	380V				
	NW/GW (kg)	200	260	350	480	800
Accessory	Shelf	2				
	Shelf Frame	No				
Optional Accessories		Spare shelf, Program controller, RS485 interface, Printer Products of different specifications can be customized according to customer requirements.				

Desktop Constant-temperature Drying Oven
Desktop Constant-temperature Incubator

◎Light natural convection drying oven / incubator.

Characteristics:

- In the workroom, the hot air is convective naturally and cyclically.
- Digital display microcomputer intelligent PID tem–perature controller.
- New anti–hot handle.





Patent No. : ZL 2018 3 0094606.5

Main Technical Parameters:

Model		WHL–25A/WHL–25AB	WP–25A/WP–25AB
Cycle Mode		Natural convection	
Function	Temp. Range	RT+10–300℃	RT+5–65℃
	Temp. Resolution Ratio	0.1℃	
	Temp. Motion	±1℃	±0.5℃
	Temp. Uniformity	±3.5%	±2.0℃
Structure	Inner Chamber	B model: mirror stainless steel; without B model: High strength galvanized sheet	
	Outer Shell	cold rolling steel electrostatic spraying exterior	
	Insulation Layer	High quality rock wool board(with CE)	
	Heater	Nickel chromium alloy heating wire	
	Power Rating	0.6kW	0.18kW
	Exhaust Hole	ϕ35mm top (with function of test hole)	
Controller	Temp. Control Mode	Two temperature section intelligent PID	
	Temp. Set Mode	Touch button setting	
	Temp. Display Mode	Measuring temperature: display on upper row; Setting temperature:display on the lower row	
	Timer	0–9999min(with timing wait function)	
	Operation Function	fixed temperature operation, timing function, auto stop	
	Additional Function	Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory	
	Sensor	PT100	
Safety Device		over temperature sound–light alarm	
Specification	Inner Chamber Size(W*L*H)(mm)	260*260*260	
	Exterior Size (W*L*H)(mm)	380*455*568	
	Packing Size (W*L*H)(mm)	515*480*640	
	Volume	18L	
	Shelf Number	6	
	Load Per Rack	15kg	
	Shelf Space	29mm	
	(50/60HZ)Current Rating	AC220V/2.7A	AC220V/0.8A
	NW/GW (kg)	27/35	
Accessory	Shelf	2	
Optional Accessories		Shelf	

Constant-Temperature Incubator

◎Classical bacterial microorganism incubator.





Characteristics:

Patent No. : ZL 2018 3 0095051.6

- New panel 5 degree angle, new rotary switch for glass inner door, convenient to use.
- The double door structure adopts high quality glass, easy to observe samples, the door with magnetic strip is easy to be opened and closed, good sealing.

Main Technical Parameters:

Model		DH3600 Ⅱ / DH3600B Ⅱ	DH4000 Ⅱ / DH4000B Ⅱ	DH5000 Ⅱ / DH5000B Ⅱ	DH6000 Ⅱ / DH6000B Ⅱ
Cycle Mode		Natural convection			
Function	Temp. Range	RT+5–70℃			
	Temp. Resolution Ratio	0.1℃			
	Temp. Motion	±0.5℃			
	Temp. Uniformity	±1.5℃			
Structure	Inner Chamber	B :mirror stainless steel; without B :High strength galvanized sheet			
	Outer Shell	Cold rolling steel electrostatic spraying exterior			
	Insulation Layer	High quality foam board			
	Heater	Mica electrothermal film			
	Power Rating	0.35kW	0.45kW	0.6kW	0.7kW
	Exhaust Hole	ϕ35mm top with function of test hole			
Controller	Temp. Control Mode	PID Intelligent			
	Temp. Setting Mode	Touch button setting			
	Temp. Display Mode	Measuring temperature: LED upper row; setting temperature: the lower row			
	Timer	0–9999min (with timing wait function)			
	Operation Function	Fixed temperature operation, timing function,auto stop.			
	Additional Function	Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory			
	Sensor	PT100			
Safety Device		Over temperature sound–light alarm			
Specification	Inner Chamber Size(W*L*H)(mm)	350*350*350	400*350*450	500*450*550	600*580*600
	Exterior Size (W*L*H)(mm)	525*480*620	575*480*720	675*580*820	775*710*870
	Packing Size (W*L*H)(mm)	595*562*795	645*562*885	745*662*990	845*792*1040
	Volume	45L	65L	125L	210L
	Shelf Number	7	10	13	14
	Load Per Rack	15kg			
	Shelf Space	35mm			
	Current Rating	AC220V/1.1A	AC220V/1.1A	AC220V/2.3A	AC220V/2.7A
	NW/GW (kg)	27/40	32/45	45/60	55/70
Accessory	Shelf	2			
Optional Accessories		Shelf			

High Precision Constant Temperature Incubator

◎High precision bacterial microbial incubator.

Characteristics:

- The double door structure adopts high quality glass, easy to observe samples, the outdoor with magnetic strip is easy to be opened and closed, good sealing, open door power–off function.
- Standard lights, UV lamps, with breeze circulation fan.
- High precision digital independent temperature limiter.
- With function of cutting off UV lamp by open door.





Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		DH45L	DH65L	DH125L	DH210L
Cycle Mode		Breeze circulation			
Function	Tem. Range	RT+5–70℃			
	Tem. Resolution Ratio	0.1℃			
	Tem. Motion	±0.5℃			
	Tem. Uniformity	±0.8℃			
Structure	Inner Chamber	Mirror stainless steel			
	Outer Shell	Cold rolling steel electrostatic spraying exterior			
	Insulation Layer	High quality foam board			
	Heater	Mica electrothermal film			
	Power Rating	0.35kW	0.45kW	0.6kW	0.7kW
	Exhaust Hole	ϕ35mm top(with function of test hole)			
Controller	Tem. Control Mode	PID Intelligent			
	Tem. Setting Mode	Touch button setting			
	Tem. Display Mode	Digital temperature: LCD upper row; Setting temperature: the lower row			
	Timer	0–9999 min (with timing wait function)			
	Operation Function	Fixed temperature operation, timing function, auto stop.			
	Additional Funciton	Breeze Circufation fan,UV lamp,LED Floodlight, Sensor deviation correction, temperature overshoot self–tuning,power–off parameter memory			
	Sensor	PT100			
Safety Device		Digita lindependent temp limiter, over temperature sound–light alarm			
Specification	Inner Chamber Size(W*L*H)(mm)	350*350*350	400*350*450	500*450*550	600*580*600
	Exterior Size (W*L*H)(mm)	525*480*620	575*480*720	675*580*820	775*710*870
	Packing Size (W*L*H)(mm)	595*562*795	645*562*885	745*662*990	845*792*1040
	Volume	45L	65L	125L	210L
	Shelf Number	7	10	13	14
	Load Per Rack	15kg			
	Shelf Space	35mm			
	Supply(50/60HZ)Current Rating	AC220V/1.6A	AC220V/2.0A	AC220V/2.7A	AC220V/3.2A
	NW/GW (kg)	27/40	32/45	45/60	55/70
Accessory	Shelf	2			
	Shelf Frame	4			
Optional Accessories		Spare shelf, RS 485 port, USB data storage			

Constant-temperature Incubator

◎High precision experimental bacterial incubator.

Characteristics:

- Unique vertical double duct supply horizontal air cir–cularly.
- 4 grades 3 speed adjustable speed fan, LED running indicator light.
- Over–temperature protection system: LED red light on meanwhile cut off heating circuit to improve product safety when workroom temperature exceed the alarm value.
- High precision digital independent temperature limiter.
- 304:SUS304 Stainless Steel Body.



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		WPL–30BE	WPL–45BE	WPL–65BE	WPL–85BE	WPL–125BE	WPL–230BE
		WPL–30BE(304)	WPL–45BE(304)	WPL–65BE(304)	WPL–85BE(304)	WPL–125BE(304)	
Cycle Mode		Forced convection					
Function	Temp. Range	RT+5–120℃					
	Temp. Resolution Ratio	0.1℃					
	Temp. Motion	±1℃					
	Temp. Uniformity	±1.0℃					
Structure	Inner Chamber	Mirror Stainless Steel					
	Outer Shell	Cold rolling steel electrostatic spraying exterior					
	Insulation Layer	High quality foam board					
	Heater	Stainless steel electric heating tube					
	Power Rating	0.4kW	0.5kW	0.7kW	0.9kW	1.1kW	1.5kW
	Exhaust Hole	ϕ35mm top(with function of test hole)					
Controller	Temp Control Mode	Two temperature section intelligent PID					
	Temp. Setting Mode	Touch button setting					
	Temp. Display Mode	Measuring temperature: LCD upper screen; setting temperature: LCD lower row					
	Timer	0–9999min(with timing wait function)					
	Operation Function	Fixed temperature operation, fixed timing function, auto stop.					
	Additional Function	Digital Independent temp. limiter.4grades 3 speed ajustable speed fan(230 without fan speed adjuor) Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory					
	Sensor	PT100					
Safety Deive		Over temp. sound–light alarm, Digital Independent temp. limiter					
Specificati on	Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
	Exterior Size (W*L*H)(mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	735*835*1115
	Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287
	Volume	30L	45L	65L	85L	125L	230L
	Shelf Number	5	6	8	8	11	17
	Load Per Rack	15kg					
	Shelf Space	40mm					
	Current Rating	220V/1.8A	220V/2.3A	220V/3.2A	220V/4.1A	220V/5A	220V/6.8A
	NW/GW (kg)	33/37	37/43	44/49	50/56	60/66	94/120
Accessory	Shelf Fame	4					
	Shelf	2					
Optional Accessories		Shelf, U–disk storage, Printer, 3.5–inch color touch screen temperature controller.					

Portable Incubator

◎It is used for industrial and mining enterprises, food processing, agriculture, biochemistry, biology, medicine industry of bacteria, microbe and other small culture experiments.

Characteristics:

- Internal naturally air convection,four sides heating method, to make inner temperature uniformity.
- Mirror stainless steel inner chamber, four corners arc transition easy to clean.
- PID controller, with over–temperature protection function, with over–tem–perature alarm, sensor fault alarm, fixed value operation, regular operation, deviation correction, menu locking and other functions.
- With high quality glass window and installed LED light on the door,easy to observe the sample inside, especially under dark conditions.
- Portable design, the top handle is easy to move, optional 12V vehicle power supply, vehicle 12V, 100–240V can be used.





Patent No. : ZL 2019 2 0769300.4

Main Technical Parameters:

Model		DH2500AB	DH3000AB
Cycle Mode		Natural convection	
Function	Temp Range	RT+5–65℃	
	Temp Resolution Ratio	0.1℃	
	Temp Motion	±0.5℃	
	Temp Uniformity	± 1.5℃	
Structure	Inner Chamber	Mirror stainless steel	
	Outer Shell	Cold rolling steel electrostatic spraying exterior	
	Insulation Layer	Polyurethane	
	Heater	Heating Wire	
	Power Rating	0.08kW	0.08kW
Controlle	Temp Control Mode	PID Intelligent	
	Temp Setting Mode	Touch button setting	
	Temp Display Mode	Measuring temperature: LED upper row ； Setting temperature: the lower row	
	Timer	0–9999min (with timing wait function)	
	Operation Function	Fixed temperature operation, timing function,auto stop.	
	Additional Funciton	Sensor deviation correction, temperature overshoot self–tuning, internal parameter locking, power–off parameter memory	
	Sensor	PT 100	
Safety Device		Over temperature sound–light alarm	
Specification	Inner Chamber Size(W*L*H)(mm)	230*200*200	230*200*280
	Exterior Size (W*L*H)(mm)	310*276*298	310*276*378
	Packing Size (W*L*H)(mm)	350*312*377	350*312*457
	Volume	9.2L	12.8L
	Shelf Number	2	
	Load Per Rack	5kg	
	Shelf Space	35mm	
	Supply(50/60HZ)Current Rating	AC220V/0.36A	AC220V/0.36A
	NW/GW (kg)	8\10	12\14
Optional Accessories		Vehicular/DC12V/AC110V/AC220VSupply	

Precision Cooling Incubator/BOD Incubator Refrigerated Incubator

◎Various constant temperature experiments and environmental tests, water analysis, microbe culture of BOD / bacteria, plant breeding, and sample preservation.

Characteristics:

- Unique internal wind circulation structure design, fan breeze circulation.
- The double door structure, with high quality glass easy to observe the samples, the outer door with magnetic strip, good sealing.
- Colour LCD display and 30–stage program temperature control,double evap–orators and automatic control intelligent defrosting to ensure long–term operating without defrost.standard independent temperature limiter,double protection for test safety.

BL model additional characteristics:

- 5.0 inch touch display 30–stage program control , round move , ladder oper–ating.
- Sensor failure alarm,Temperature curve,U–disk data storage,auto start.
- UV Lamp



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		SPX–70BIV / SPX–70BL	SPX–150BIV / SPX–150BL	SPX–250BIV / SPX–250BL
Cycle Mode		Forced convection		
Function	Temp. Range	–10~65℃		
	Temp. Resolution Ratio	0.1℃		
	Temp. Motion	High Temp.: ±0.5℃ Low Temp.: ±1℃		
	Temp. Uniformity	±1℃		
Structure	Inner Chamber	Mirror Stainless Steel		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Polyurethane		
	Heater	Stainless steel heating tube		
	Power Rating	0.8kW	1.0kW	1.2kW
	Compressor	Air cooled hermetic compressor		
	Cryogen	R134a		
	Defrost Structure	Double evaporator switching defrosting		
	Test Hole	43mm		
	Controlled External Power Supply	Universal socket (one) Built in waterproof socket (one)		
	Temp. Control Mode	BIV：Color screen LCD program BL：5.0 inch touch screen		
	Temp. Setting Mode	Touch button setting or Touch screen type		
	Temp. Display Mode	Measuring temperature: LCD upper screen; setting temperature: LCD lower row		
	Timer	0–99.9h*30Segment		
	Operation Function	Program operation		
	Sensor	PT100		
	Additional Funciton	BIV model：LED light, Deviation correction, Menu key lock, Power failure parameter memory		
		BL model additional character：loop self diagnosis		
Safety Device		Over temperature alarm, digital temperature limiter		
Specification	Inner Chamber Size(W*L*H)(mm)	420*350*500	500*500*600	600*500*840
	Exterior Size (W*L*H)(mm)	580*610*1190	660*760*1290	760*760*1530
	Packing Size (W*L*H)(mm)	706*698*1358	856*778*1458	878*865*1698
	Volume	70L	150L	250L
	Load Per Rack	15kg		
	Shelf Number	9	12	18
	Shelf Space	35mm		
	Power Supply Current Rating	AC220V/2.3A	AC220V/3.6A	AC220V/5.5A
	NW/GW (kg)	69/92	86/114	100/139
Accessory	Shelf	2		
Optional Accessories		Spare shelf, RS485 interface, printer, Program controller, remote control,U–disk storage		

Cooling Incubator/Refrigerated Incubator/ Bod Incubator

◎Various constant temperature experiments and environmental tests at 0~65℃, water analysis, microbe culture of BOD / bacteria, plant breeding, and sample preservation.

Characteristics:

- Unique internal wind circulation structure design, breeze circulate fan make inner chamber temperature uniformity.
- Double door seal; tempered glass silicon rubber seal inner door and magnetic rubber seal outer door, which are convenient to on/off; inner chamber with light for convenient observation.
- Intelligent defrosting function ensure device long–time run without frost.
- Fluoride–free refrigeration and gentle breeze circulation.
- Test hole of ¢ 52mm at left side of container.

BX model additional characteristics:

- LCD scree 30–stage program controller,round move,ladder operating.
- Sensor failure alarm



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Cycle Model		SPX–70BIII / SPX–70BX	SPX–150BIII / SPX–150BX	SPX–250BIII / SPX–250BX
		Forced Convection		
Function	Temp.Range	0–65℃		
	Temp.Resolution Ratio	0.1℃		
	Temp.Motion	High Temp: ±0.5℃ Low Temp: ±1℃		
	Temp.Uniformity	±1.5℃		
Structure	Inner Chamber	Mirror Stainless Steel		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Polyurethane		
	Heater	Stainless steel heater		
	Power Rating	0.8kW	1.0kW	1.2kW
	Compressor	Air cooled hermetic compressor		
	Cryogen	R134a		
	Defrost Structure	Automatic control intelligent defrosting		
	Test Hole	Inner diameter 43mm(one)		
	Controlled External Power Supply	Outer universal socket(one),inner waterproof socket(one)		
Control	Temp. Control Mode	BIII model:single–stage LCD Intelligent PID; BX model:30–stage LCD program		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	Measuring temperature:LCD upper row; Setting temperature:LCD lower row		
	Timer	BIII model:0–99.9h BX model:0–99.9h*30 segment(with timing wait function)		
	Operation Function	BIII model: fixed value operation,timing function,auto stop.		
		BX model:Program operation		
	Sensor	PT100		
	Additional Function	BIII model:LED light,Deviation correction,Menu key lock,Power failure parameter memory		
		BX model:Loop self diagnosis,sensor fault alarm		
Safety Device		Over temperature alarm		
Specification	Inner Chamber Size (W*L*H)(mm)	415*350*500	490*400*750	500*500*950
	Exterior Size (W*L*H)(mm)	571*591*1051	646*641*1301	656*741*1501
	Packing Size (W*L*H) (mm)	680*676*1235	751*730*1490	761*830*1690
	Volume	70L	150L	250L
	Load Per Rack	15kg		
	Shelf Number	5	9	12
	Shelf Space	60mm		
	Supply(50/60Hz)Current Rating	AC220V/2.3A	AC220V/3.6A	AC220V/5.5A
	NW/GM(kg)	69/92	86/114	100/139
Accessory	Shelf	2		
	Shelf Frame	4		
Optional Accessories		shelf、RS485 port、printer、recorder、Remote Control、wireless messaging alarm、U–Disk data storage		

Mould Cultivation Cabinet

◎Constant temperature experiments and environmental tests for the need for humidity.

Characteristics:

- Unique internal wind circulation structure design, breeze circulate fan make inner chamber temperature uniformity.
- LCD display 30–stage program control , round move , ladder oper–ating, intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
- Double door structure, with high quality stalinite to observe samples , outer door with magnetic strip,convenient to on and off,good sealing.
- Intelligent defrosting function ensure device long–time run without frost.
- Inner humidifying system with small particles , good humidity uni–formity , low water consumption and function of alarm when is short of water.



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		MJX–70BL	MJX–150BL	MJX–250BL
Cycle Mode		Forced convection		
Function	Temp. Range	No humidification：0～65℃；humidification：10 ～65℃		
	Temp. Resolution Ratio	0.1℃		
	Temp. Motion	High Temp.：±0.5℃ Low Temp.：±1℃		
	Temp. Uniformity	±1℃		
	Humidity Range	45%～95%RH		
	Humidity Stability	±5%RH		
Structure	Inner Chamber	Mirror Sainless Steel		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Polyurethane		
	Heater	Stainless steel heater		
	Power Rating	1.8kW	2.0kW	2.2kW
	Compressor	Air cooled hermetic compressor		
	Cryogen	R134a		
	Defrost Structure	Automatic control intelligent defrosting		
	Humidifying Method	External		
	Test Hole	Plastic test hole Φ43mm		
	Sterlilzing Lamp	Standard ozone–free type		
	Controlled External Power Supply	Universal socket (one)		
	Temp. Control Mode	30 Sgement LCD program		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	Measuring temperature: LCD upper row； Setting temperature: the lower row		
	Humidity Control Mode	AUTO		
	Timer	0–99.9h*30Segment(with timing wait function)		
	Operation Function	Fixed value operation、timing function,auto stop、Program operation		
	Sensor	PT100		
	Humidity Sensor	High precision anti–condensation		
	Additional Funciton	Deviation correction, Menu key lock, Power failure parameter memory additional character：UV light, loop self diagnosis		
Safety Device		Over temperature alarm, over humidity alarm, water shortage alarm		
Specification	Inner Chamber Size(W*L*H)(mm)	415*350*500	490*400*750	500*500*950
	Exterior Size (W*L*H)(mm)	571*591*1051	646*641*1301	656*741*1501
	Packing Size (W*L*H)(mm)	680*676*1235	751*730*1490	761*830*1690
	Volume	70L	150L	250L
	Load Per Rack	15kg		
	Shelf Number	5	9	12
	Shelf Space	35mm		
	Supply (50/60Hz) Current Rating	AC220V/8.2A	AC220V/9.1A	AC220V/10A
	NW/GW (kg)	69/92	86/114	100/139
Accessory	Shelf	2		
	Shelf Rack	4		
Optional Accessories		Spare shelf, Touche screen controller, RS485 interface USB interface and software, Printer, Recorder, Remote Control,U–disk storage		

Constant Temperature and Humidity Incubators

◎Constant temperature experiment and environmental test of humidity range.

Characteristics:

- Unique internal wind circulation structure design, breeze circulate fan make inner chamber temperature uniformity.
- Large LCD display, multiple data display at the same time, 30–stage program control, round move , ladder operating, with function of loop self–diagnose and sensor fault alarm.
- Intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
- Double door structure, with high quality stalinite to observe samples, outer door with magnetic strip, convenient to on and off, good sealing.
- Intelligent defrosting function ensure device long–time run without frost.
- Inner humidifying system with small particles , good humidity unifor–mity , low water consumption and function of alarm when is short of water.



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		HWS–70B	HWS–150B	HWS–250B
Cycle Mode		Forced convection		
Function	Temp. Range	No humidification：0～65℃；humidification：10 ～65℃		
	Temp. Resolution Ratio	0.1℃		
	Temp. Motion	High Temp.：±0.5℃ Low Temp.：±1℃		
	Temp. Uniformity	±1℃		
	Humidity Range	45%～95%RH		
	Humidity Stability	±5%RH		
Structure	Inner Chamber	Mirror Sainless Steel		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Insulation Layer	Polyurethane		
	Heater	Stainless steel heater		
	Power Rating	1.8kW	2.0kW	2.2kW
	Compressor	Air cooled hermetic compressor		
	Cryogen	R134a		
	Defrost Structure	Automatic control intelligent defrosting		
	Humidifying Method	Internal		
	Test Hole	Plastic test hole Φ43mm		
	Controlled External Power Supply	Universal socket (one)		
	Temp. Setting Mode	Touch button setting		
	Temp. Display Mode	Measuring temperature: LCD upper row； Setting temperature: the lower row		
	Humidity Control Mode	AUTO		
	Timer	0–99.9h*30Segment(with timing wait function)		
	Operation Function	Fixed value operation、timing function,auto stop、Program operation		
	Sensor	PT100		
	Humidity Sensor	High precision anti–condensation		
	Additional Funciton	LED light, deviation correction, Menu key lock, Power failure parameter memory loop self diagnosis		
Safety Device		Over temp alarm, Over humidity alarm, Water shortage alarm		
Specification	Inner Chamber Size(W*L*H)(mm)	415*350*500	490*400*750	500*500*950
	Exterior Size (W*L*H)(mm)	571*591*1051	646*641*1301	656*741*1501
	Packing Size (W*L*H)(mm)	680*676*1235	751*730*1490	761*830*1690
	Volume	70L	150L	250L
	Load Per Rack	15kg		
	Max. Shelf Number	5	9	12
	Shelf Space	60mm		
	Supply (50/60Hz) Current Rating	AC220V/8.2A	AC220V/9.1A	AC220V/10A
	NW/GW (kg)	69/92	86/114	100/139
Accessory	Shelf	2		
Optional Accessories		Spare shelf, USB Interface and software, printer, Recorder, remote control,U–disk storage		

Climate Chamber With Illumination

◎Light culture of microorganism, cell tissue, seedling, insect and small animal.



Patent No. : ZL 2018 3 0095051.6

Characteristics:

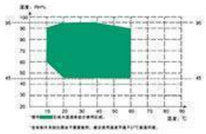
- Double door structure, with high quality stalinite to observe sample.
- 7.0 inch true color touch screen display, convenient to view historical temperature data and appointment auto start and stop.
- Full spectrum 0–30000LX adjustable multiple levels, 30 sections programmed Temp. LUX and time controller.
- Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
- The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
- High precision digital independent temperature controller.
- Imported high quality temperature sensor and compressor.

Main Technical Parameters:

Model		FLI250	FLI350	FLI450
Cycle Mode		Forced convection,Rear micropore. Supply air in front of the plate		
Function	Temp. Range	Without illumination: 0 ~ 65℃; With illumination:10 ~ 65℃		
	Temp. Resolution Ratio	0.1℃		
	Temp. Motion	± 0.5℃		
	Temp. Uniformity	± 1.0℃		
	Illumination(LX)	Full spectrum0–30000LX many degrees for adjusting		
Structure	Inner Chamber	SUS304satinless steel sheet		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Thermal Insulation Material	Polyurethane		
	Light barrier	Standard four layer full spectrum LED lamp board		
	Heater	Stainless steel heating tube		
	Power Rating	2.0kw	2.2kw	2.5kw
	Compressor	Air cooled hermetic compressor		
	Coolant	R134A		
	Defrosting Structure	Automatic		
	Leading wire hole	The outer diameter of standard inflation port interface is 10mm		
Controller	Temp.. control mode	30 sections program		
	Temp.. setting mode	Touch screen settings		
	Temp.. display mode	7.0 inch true color touch screen display		
	Operation function	Fixed temp.perature operation,timing function,auto stop.		
	Program pattern	Standard configuration		
	Sensor	Pt100		
	Additional funciton	Make an appointment to switch on and off, query the historical temperature data curve, store and export the U disk data, correct the deviation, lock the menu key, power failure compensation, power failure memory , circuit self diagnosis and intelligent defrosting		
Safety device		Over temperature will automatically cut off the heating, long–term under temp.perature cut off the refrigeration system..protect the sample; loop self diagnosis		
Specification	Inner Chamber size(W*L*H)(mm)	600*500*840	630*580*960	630*670*1100
	Exterior size (W*L*H)(mm)	794*726*1600	824*806*1720	824*896*1860
	Packing size (W*L*H)(mm)	893*863*1850	943*923*1960	823*1033*2110
	Volume	250L	350L	450L
	Load per rack	15kg		
	Shelf space	120mm		
	Supply (50/60Hz) Current rating	AC220V/9.1A	AC220V/10A	AC220V/11.5A
	NW/GW (kg)	220/250	250/290	300/340
Accessory	Shelf	4		
	Shelf plate	8		
Optional accessories		Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, co2 concentration control		

Climate Chamber with Humidity Control Plant Growth Chamber

◎Light culture of microorganism, cell tissue, seedling, insect and small animal under the control of precise humidity.





Patent No. : ZL 2018 3 0095051.6

Characteristics:

- Double door structure, with high quality stalinite to observe sample.
- 7.0 inch true color touch screen display, convenient to view historical temperature data and appointment auto start and stop.
- Full spectrum Multi–stage adjustable, 30 sections programmed Temp. LUX ,RH controller.
- Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
- Internal humidification system. Small humidifier particles, high humidity uniformity, small water consumption, with automatic water intake, water shortage alarm function.
- The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
- Imported high quality temperature sensor and compressor.

Main Technical Parameters:

Model		FPG250	FPG350	FPG450
Cycle Mode		Forced convection, Rear micropore. Supply air in front of the plate		
Function	Temp. Range	Without illumination:0 ~ 65℃; With illumination:10 ~ 65℃		
	Temp. Resolution Ratio	0.1℃		
	Temp.Motion	± 0.5℃		
	Temp. Uniformity	± 1.0℃		
	illumination(LX)	Full spectrum0–30000LX many degrees for adjusting		
	Humidity Range	40% ~ 95%RH		
	Humidity Motion	± 5% RH		
Structure	Inner Chamber	SUS304satinless steel sheet		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Thermal Insulation Material	Polyurethane		
	Light barrier	Standard four layer full spectrum LED lamp board		
	Heater	Stainless steel heating tube		
	Power Rating	2.0kw	2.2kw	2.5kw
	Compressor	Air cooled hermetic compressor		
	Coolant	R134A		
	Defrosting Structure	Automatic		
	Humidity control mode	Automatic		
	Leading wire hole	The outer diameter of standard inflation port interface is 10mm		
Controller	Temp. control mode	30 sections program		
	Temp. setting mode	Touch screen settings		
	Temp. display mode	7.0 inch true color touch screen display		
	Operation function	Fixed tempperature operation,timing function,auto stop. Appointment start. Program operation		
	Program pattern	Standard configuration		
	Sensor	PT100 Temp. Sensor, Imported chip humidity sensor		
	Additional funciton	Appointment start/off， Historical temperature and humidity data curve query, U–disk data storage and export, deviation correction, Menu key locking, power failure compensation, power failure memory, loop self diagnosis, intelligent defrosting		
Safety device		Over tempperature will automatically cut off the heating, long–term under tempperature cut off the refrigeration systemp, protect the sample; loop self diagnosis		
Specification	Inner Chamber size(W*L*H)(mm)	600*500*840	630*580*960	630*670*1100
	Exterior size (W*L*H)(mm)	794*726*1600	824*806*1720	824*896*1860
	Packing size (W*L*H)(mm)	893*863*1850	943*923*1960	823*1033*2110
	Volume	250L	350L	450L
	Load per rack	15kg		
	Shelf space	120mm		
	Supply (50/60Hz) Current rating	AC220V/9.1A	AC220V/10A	AC220V/11.5A
	NW/GW (kg)	225/255	260/300	310/350
Accessory	Shelf	4		
	Shelf plate	8		
Optional accessories		Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, CO2 concentration control		

Vertical constant temperature shaker (LCD)

Characteristics:

- Imported compressors, imported bearings, servo motors.
- Air duct design, not direct blowing, good temperature uniformity.
- The minimum speed is 10rpm,it can start and stop at ultra–low speed to protect the sample.
- Make an appointment to start the function.
- Solenoid valve defrost function can ensure long–term low tem–perature operation.
- Can be set to run forward, reverse, and alternately run.





Main Technical Parameters:

Name	Vertical constant temperature shaker (LCD)					
Model	FSI–175	FSI–175C	FSI–335	FSI–335C	FSI–580	FSI–580C
Control Mode	PID microcomputer processing chip					
Cycle Mode	Forced convection					
Shaking Mode	Convolution					
Display Mode	LCD liquid crystaldisplay					
Drive Mode	Multidimensional drive					
	3 Axes				4 Axes	
USB data download system	Yes (optional)					
Control System	(Standard mode; continuous mode; programmable mode (multi–stage temperature, speed, time control))					
Rotary Speed Range (rpm)	0，20–350 (Can do static training, forward and reverse)				0，20–280 (Can do static training, forward and reverse)	
Rotary Accuracy (rpm)	±1					
Amplitude (mm)	Φ26 (customizable Φ35 (20–250rpm/min)、Φ50 (20–2000rpm/min)					
Max Capacity (clamp)	100ml*60 or 250ml*38 or 250ml*22 or 1L*16		100ml*100 or 250ml*56 or 500ml*44 or 1L*24		250ml*90 or 500ml*72 or 1000ml*42	
Max Capacity (stick mat)	100ml*60 or 250ml*36 or500ml*24 or 1L*16		100ml*120 or 250ml*70 or 500ml*44 or1L*24		250ml*112 or 500ml*76 or 1000ml*42	
Standard configuration	250ml*24		250ml*28 500ml*22		250ml*45 500ml*36	
Plate Size (mm)	500*360		710*455		950*550	
Timer Range (h/min)	0–9999 (with timing function,continuous operating)					
Temperature Range (℃)	Ambient temperature+5–65	4–65 (25℃)	Ambient temperature+5–65	4–65 (25℃)	Ambient temperature+5–65	4–65 (25℃)
Temperature Accuracy (℃)	±0.1					
Temperature Uniformity (℃)	±0.5 (37℃,Effective Working Area)					
Temperature Motion (℃)	≤0.1 (37℃)					
Tray Quantity	(2 pieces)					
External Size (mm)	700*580*1280		950*700*1280		1200*800*1630	
Capacity (L)	175		335		580	
Power (W)	600	850	900	1150	1100	1400
Power Supply	AC220 ± 10% 50–60HZ					
Ambient Temperature (℃)	5–30					
Additional Function	Ultra–low start, adjustable start speed, automatic overspeed protection, watchdog timer, parameter memory, call recovery, refrigeration unit overload protection and call delay start, automatic defrost, upper and lower limit over temperature sound and light alarm, automatic stop when the door is opened (optional), with lighting, ultraviolet disinfection function (optional), setting parameter view, monitoring temperature and correction of ambient temperature. Touch screen (optional)					

Desktop Constant Temperature Shaker(LCD)

Characteristics:

- Ultra–low speed start, auto–lock when speed out of control, adjustable start–up speed .
- Multi–stage speed, temperature and time control system.
  Can set different speed, temperature and time in one time, automatic change operating mode during working.
- Silent fan design, forced air convection mode and unique air circulation struc–ture, ensure good temperature uniformity.
- Automatic refrigerating mode, environmental friendly cryogen, automatic control for refrigerating system on and off based on ambient temperature.
- Intelligent refrigerate without frost, automatic defrosting function, can set time and interval time for defrosting, ensure machine in stable operation under low temperature. With refrigerating delay start–up function to protect compressor.
- Three rotation mode for chose positive rotation inversion reciprocal and mutual conversion.
- LCD display temperature, time and speed on same screen.
- With fault self–diagnosis, indicating fault location and fault code, to help find problem and solve problem .
- High precision speed control PID feedback control, avoid damage from long time motor working at low speed causing motor under over heating.
- Equipped with servo motor, control speed accuracy, high and low speed performance.
- Selected imported compressors meet the international environmental protection requirements, safe fluorine free refrigeration, and low noise.
- With ultraviolet disinfection (including air duct disinfection) and lighting functions.



Main Technical Parameters:

Name	Desktop Constant Temperature Shaker(LCD)	
Model	FSI–70	FSI–70C
Control Mode	PID Microcomputer Processing Chip	
Cycle Mode	Forced Air Convection	
Oscillation Mode	Cyclotron Oscillation	
Display Mode	LCD Display	
Drive Mode	Single–Dimensional Drive	
USB Data Download System	Yes (optional)	
Control System	Standard Mode;Continuous Mode;Programable Mode(multi–stage temperature,speed and time control)	
Rotary Speed Range (rpm)	0，20–450 (Static Cultivate, Positive And Negative Rotation)	
Rotary Accuracy (rpm)	±1	
Amplitude (mm)	Φ26	
Max Capacity (clamp)	100ml x 23 or 250ml x 15 or 500ml x 9 or 1000ml x 6 or 2000ml x 4	
Max Capacity (stick mat)	100ml x 30 or 250ml x 20 or 500ml x 9 or 1L x 8 or 2L x 4	
Standard Configuration	500ml x 3 250ml x 3 100ml x 4 50ml x 4	
Plate Size (mm)	450 x 410	
Timer Range (h/min)	0–9999 (with timing function,continuous operating)	
Temperature Range (℃)	Temperature Range+5–65	4–65 (25℃)
Temperature Accuracy (℃)	±0.1	
Temperature Uniformity (℃)	±0.5 (37℃， Effective Working Area)	
Temperature Motion (℃)	≤0.1 (37℃)	
Tray Number	1 piece	
External Size (mm)	750 x 710 x 520	
Capacity (L)	70	
Power (W)	550	650
Power Supply	AC220 ± 10% 50–60HZ	
Ambient Temperature (℃)	5–30	
Additional Function	Untra–low speed start, adjustable start speed, automatic over speed protection, timer monitor,parameter memory,electricity incoming recovery, refrigeration unit overload protection and electricity incoming delay start, automatic defrosing,upper and lower limits over temperature acoustooptical alarm, automatic stop by door opened (optional),LED light, UV sterilizing function (optional), parameter setting for viewing, calibration for monitor temperature and ambient temperature.	

Multifunctional Water Baths Shaker

◎Low noise and steady reciprocating oscillating water bath cultivation equipment.

Characteristics:

- Large–screen background LCD, shows the measured value, set value and the setting time and the remaining time.
- High–precision temperature control. resume operation automatically if power off unexpectedly.
- High–precision speed control: PID feedback control, motor speed stable and accurate. the precision ± 1rpm slow start design, automatically locked after speed out of control, adjustable start speed prevent splashing of shaking bottle liquid.
- Tube rack and water bath flask seat for standard configuration, with function of water bath.



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		FWS–30
Mode		Reciprocating oscillation + thermostatic water bath
Function	Operating Temp Range	RT–100℃
	Tem. Rasolution Ratio	0.1℃
	Tem. Motion	± 0.1℃
	Tem. Uniformity	± 0.2℃
	Reciprocal Oscillation Amplitude	16 or 24mm (Ex–factory is 16mm)
	Reciprocating Frequency Range	20 ~ 180 (r/min)
	Reciprocating Frequency Accuracy	± 1rpm
Structure	Water Tank	Mirror stainless steel
	Outer Shell	Cold rolling steel electrostatic spraying exterior
	Upper Cover	Mirror stainless steel
	Insulating Layer	Polyurethane
	Heater	Stainless steel electric heater tube
	Driving Mode	Crankshaft+ double link + four wheels
	Shelf	Mirror stainless steel
	Power Rating	1.5kW
Controller	Tem. Control Mode	LCD PID Intelligent control
	Reciprocating Control Mode	
	Setting Mode	Touch button setting
	Tem. Display Mode	LCD Display
	Speed Display Mode	
	Timer	0 ~ 9999 min
	Operation Function	Fixed value operation. timing function, auto stop, quickly stop start
	Temperature Sensor	PT100
	Speed Sensor	Hoare
	Additional Function	Deviation correction, menu keys locked, power–off memory
Safety Device		Over temperature alarm. menu locked, water full or shortage protection. Motor shaft lock protection;
Specification	Water Tank Size (W*L*H)(mm)	500*310*200
	Exterior Size (W*L*H)(mm)	828*360*425
	Packing Size (W*L*H)(mm)	912*480*605
	Spring Shock Basket Size (mm)	395*250
	Shock Basket Largest Single Size (ml /piece)	100ml*12/250*8/500*6
	Inside Volume	31L
	Shock Basket Bearing	5kg/layer
	Current Rating (50Hz)	AC220V/6.8A
	NW/GW (kg)	20/30
Accessories		Water bath flask seat. tube rack, Customized Flask Clip Tray(Optional)

Constant Temperature Shaking Incubator

◎Small desktop constant temperature shaking culture equipment.

Characteristics:

- Large–screen LCD, can be continuous, accurate, real–time shows temperature, speed, working time. menu operation interface, easy to operate.
- Microcomputer control temperature and oscillation frequency with timing functions, built–in power–off protection can automatically resume operation after power on.
- Unique air duct breeza circulation,with better temperature uniformity;large observation window, Easy to observe sample, easy to be opened and closed
- Speed control : intelligent brushless DC motor, high speed accuracy, slow start design, auto lock if speed out of control. adjustable starting speed to prevent the splash of shake flask liquid.
- With function of cutting off UV lamp by open door.
- Studio at the bottom waterproof, Spills will not affect the normal operation of the machine.



Patent No. : ZL 2018 3 0095051.6

Main Technical Parameters:

Model		FS–50B	FS–70B
Shaking Mode		Cyclotron Oscillation	
Function	Amplitude	Φ20mm	
	Temp. Resolution	0.1℃	
	Temp. Motion	± 0.1℃	
	Temp. Uniformity	± 1℃	
	Temp. Range	RT+5 ~ 65℃	4 ~ 65℃
	Rotary Speed	30 ~ 300rpm	30 ~ 300rpm
	Rotary Speed Precision	± 1rpm	
Structure	Chamber Matcrial	Mirror Stainless Steel	
	Outer Shell	ABS	
	Observation Window Material	Imported resin	
	Thermal Insulation Material	Polyurethane	
	Cooling System	No	Yes
	Coolant	No	R134a
	Heater	Stainless steel heating tube	
	Drive Mode	Three–axis level	
	Standard Tray Style	Universal spring grid tray	
	Air Circulation Mode	Horizontal convection	
	Power Rating	0.6kW	0.8kW
Controller	Temp. Control Mode	LCD PID intelligent control	
	Cyclotron Control Mode		
	Setting Mode	Automatic changes of rotation direction	
	Temp. Display Mode	Touch button setting	
	Speed Display Mode	LCD display	
	Timer	0 ~ 9999min	
	Operation Function	Fixed value operation、timing function、bidirectional automatic switchover、auto stop、quick stop start	
	Temperature Sensor	PT100	
	Speed Sensor	Hoare	
	Gating System	Yes	
	Additional Function	Deviation correction, menu keys locked, power–oft memory	
Safety Device		over temperature alarm, menu locked. gating system. power–off protection. plugging turn protection	
Specification	Inner Chamber Size (W*L*H)(mm)	455*380*290	560*390*320
	Exterior Size (W*L*H)(mm)	500*640*480	600*770*500
	Packing Size (W*L*H)(mm)	802*620*685	913*720*698
	Shelf Size (mm)	380*320	480*315
	Max capacity of Shelf for single specification(ml/pc)	100ml*16/250ml*9/500ml*5/1000ml*4	100ml*24/250ml*12/500ml*6/1000ml*6
	Inside Volume	50L	70L
	Shelf Load Bearing	≤10kg/layer	≤15kg/layer
	Shelf Layer	1	
	Power Supply (50/60Hz) Current Rating	AC220V/2.5A	AC220V/3.5A
	NW/GW (kg)	45/55	65/85
Optional Flask Clip Tray Wireless Short Message Alarm System		100ml*16/250ml*9/500ml*5/1000ml*4	100ml*24/250ml*12/500ml*6/1000ml*6

Orbital shaker

◎Experiment of sample shake in solution, fixation of electrophoretic gel separate band, oscillate shaking of coomassie blue dyeing and decolorization, Immobilization, staining and development of silver nitrate.

Characteristics:

- Temperature setting, measuring, and running state show on one large LCD screen, with rotary encoder switch.
- The operating parameters can be remembered and protected. automatically resume operation if the power supply cut off.
- Speed control : intelligent brushless DC motor, high speed accuracy, slow start design, auto lock if speed out of control. adjustable starting speed to prevent the splash of shake flask liquid.



Main Technical Parameters:

Model		FBS-O10	FBS-O20
Shaking Mode		Cyclotron oscillation	
Function	Amplitude	ϕ10mm	ϕ20mm
	Rotary Speed Range	100~500rpm	30~250rpm
	Rotary Speed Precision	±1rpm	
Structure	Out Shell	ABS	
	Motor Type	Brushless motor	
	Tray	Anodizing Alluminum	
	Driving Mode	Four horizontal points	
	Power Rating	0.03kW	
Controller	Cyclotron Control Mode	LCD, PID intelligent control	
	Cyclotron Setting Mode	Rotary coding switch	
	Speed display Mode	LCD display	
	Timer	0 ~ 9999 min (with timing function)	
	Operation Function	Fixed value operation、timing function、bidirectional automatic switchover、auto stop、quick stop start	
	Speed Sensor	Hoare	
	Additional Funciton	Deviation calibration, power-off memory	
Safety Device		Intelligent low speed start, blocking protection	
Specification	Exterior Size (W*L*H)(mm)	365*450*222	
	Packing Size (W*L*H)(mm)	470*550*325	
	Tray Size (mm)	320*320	
	Load Per Tray	≤5kg	
	Tray Number	1	
	Supply (50/60Hz) Current Rating	AC220V/0.14A	
	NW/GW (kg)	10/15	
Optional Type		Universal spring grid tray	
		Flask Clip Tray 250ml*9/500ml*4	

Ceramic Fiber Muffle Furnace

◎Sintering, melting, elemental analysis and physical measurement within 1200℃ of precise control.

Characteristics:

- Mirror stainless steel mouth, long-term use will not change color.
- Imported double insulated ceramic liner, stable performance.
- Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
- In the double shell, the air sleeve is insulated, and the double guiding air passage.
- High-precision micro-computer controller and precision sensor are perfectly integrated, and the temperature is accurate.



Patent No. : ZL 2015 3 0282033.5

SX4 model also has the following characteristics:

- Import time control system and high precise sensor with sensitive response , high precision and good stability .
- Adding exhaust devices is beneficial to ashing.
- Split design, circuit detachable, easy to maintenance and repair.
- P model is program temperature control type. program temperature controller can programme multistage program, Simplifies the experimental process and realizes automatic control and operation .

Main Technical Parameters:

Model						
		SX3-2.5-12	SX3-5-12	SX3-8-12	SX3-10-12	SX3-36-12
		SX3-2.5-12B	SX3-5-12B	SX3-8-12B	SX3-10-12B	
		SX4-2-12	SX4-7-12	SX4-12-12	SX4-16-12	SX4-36-12
		SX4-2-12B	SX4-7-12B	SX4-12-12B	SX4-16-12B	
		SX4-2-12P	SX4-7-12P	SX4-12-12P	SX4-16-12P	SX4-36-12P
		SX4-2-12PB	SX4-7-12PB	SX4-12-12PB	SX4-16-12PB	
Heating Mode		Alloy wire heating in three sides left; right; top side.				
Function	Temp. Range	100-1200℃				
	Temp. Resolution Ratio	1℃				
	Temp. motion	±1℃				
	Temp.Rising time to max temp	≤30min				
Structure	Chamber material	Ceramic fiber				
	Outer shell	Without B: Cold rolling steel electrostatic spraying exterior; B type: SUS 304 Embossed stainless steel				
	Insulation layer	Ceramic fiber				
	Heater	Alloy heating wire				
	Power rating	1.5kw	3.0kw	4.5kw	6.0kw	9.0kw
	Exhaust hole	ϕ30mm(chimney size 80*60mm)				
Controller	Temp. control mode	SX3 Type : domestic Xianmen Yudian single-stage temperature controller SX4 Type:Japaness conduction single-stage temperature controller SX4-P:Japaness Fuji color LCD 64- segment programmed temperature controller				
	Temp. setting mode	Touch button setting				
	Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row				
	Timer	Without P: No Timing Function; SX4-P: 0-99 hours and 59 minutes(with Timing Waiting Function) SX3: 00-3200min				
	Operation function	Fixed temperature operation, timing function, auto stop.				
	Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory				
	Sensor	SX3:Platinum rhodium sensor; SX4:High precision sensor				
Safety device		Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure				
Specification	Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160	300*400*300
	Exterior size (W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700	630*885*820
	Packing size (W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845	750*970*965
	Volume	2L	7L	12L	16L	36L
	Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.6A	AC220V/20.4A	AC380V/9.9A	AC380V/13.6A
	NW/GW (kg)	33/37	45/50	62/68	77/96	87/106
Optional type		Air port, USB interface, 5.0inch ture color screen, programmable controller with USB date storage function				

1600℃ Ceramic Fiber Muffle Furnace

◎It is used for sintering, melting and analyzing metal, nonmetal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.

Characteristics:

- Mirror stainless steel furnace mouth, long-term use will not change color.
- Vacuum-forming polycrystalline mullite fiber furnace, high efficiency insulation.
- Double shell, the air sleeve heat insulation, and double air guiding passage .
- High-purity silicon-molybdenum rod heating, and with standard exhaust chimney.
- High precision program controller, with imported sensor and imported voltage regulating module.
- With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
- Lockable handle, quick detachable structure,easy to maintenance and repair.
- Standard with insulated gloves, crucible tongs and Alumina load bearing board.



Main Technical Parameters:

Model	30 segment Domesticc controller	SX4-2-16	SX4-4-16	SX4-8-16	SX4-12-16	SX4-20-16	SX4-36-16
	64 Segment Import Controller (Model With P)	SX4-2-16P	SX4-4-16P	SX4-8-16P	SX4-12-16P	SX4-20-16P	SX4-36-16P
	30 Segment 7.0 Inch Touch Screen controller(Model With PL)	SX4-2-16PL	SX4-4-16PL	SX4-8-16PL	SX4-12-16PL	SX4-20-16PL	SX4-36-16PL
Function	Temp. Range	Max 1600℃ （Long-TERM Max Continuous Service Temperature 1500℃）					
	Temp. Accuracy	±1℃					
	Temp. Resolution Ratio	1℃					
	Temp. RISING Time To Max Temp	<40min					
Structure	Furnace Body	Polycrystalline Mullite Fiber					
	Outer Shell	Cold rolling steel with electrostatic Spraying exterior					
	Chamber Size	150*90*150	150*150*150	300*150*150	300*200*200	300*260*260	300*400*300
	Exhaust Hole	Di φ 22，De φ 18					
	Heater	Sillcon Molybdenum Rod					
	Heating Power	3KW	5.5KW	9KW	10KW	12KW	15KW
Controller	Temp. Control	No Letter Model : LED Programmed Controller; P Type: LCD Imported Programmed Controller; PL Type: 7.0-inch touch screen program controller, with curve viewing and USB data storage functions.					
	Termp. Control Mode	Intelligent Microcomputer PID Control					
	Display Mode	No Letter Model: 4 keysSettings P Type: 5 keys Settings PLType: Touch Type Operation					
	Timer	No Letter Model: 0-9999min P Type: 0-99 hour 59min PL Type: 0-9999min					
	Operation Function	Constant Value Operation Or Program Operation					
	Sensor	S-type Thermocouple					
	Additional Function	Heating Start Stop Button, Sensor Fault Aarm,Temperature Overshoot Self Setting,Temperature Correction					
	Safety Device	Overtemperature Alarm,Leakage Protection, Door Opening Heating					
Specification	Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100	750*865*1150	750*925*1210	750*1065*1250
	Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310	910*1045*1360	910*1105*1420	910*1265*1460
	Volume	2L	4L	8L	12L	20L	36L
	Curent Rating (50/60HZ)	AC220V 50Hz		AC380V 50Hz			
	Nw/Gw (kg)	70/90	80/100	110/130	150/170	175/195	270/320
	Optional Type	485 Communication ,U Disk Data Storage					

1700℃ Ceramic Fiber Muffle Furnace

◎It is used for sintering, melting and analyzing metal, nonmetal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.

Characteristics:

- Mirror stainless steel furnace mouth, long-term use will not change color.
- Vacuum-forming polycrystalline mullite fiber furnace, high efficiency insulation.
- Double shell, the air sleeve heat insulation, and double air guiding passage .
- High-purity silicon-molybdenum rod heating, and with standard exhaust chimney.
- High precision program controller, with imported sensor and imported voltage regulating module.
- With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
- Lockable handle, quick detachable structure,easy to maintenance and repair.
- Standard with insulated gloves, crucible tongs and Alumina load bearing board.



Main Technical Parameters:

Model	30 segment Domesticc controller	SX4-2-17	SX4-4-17	SX4-8-17	SX4-12-17	SX4-20-17	SX4-36-17
	64 Segment Import Controller (Model With P)	SX4-2-17P	SX4-4-17P	SX4-8-17P	SX4-12-17P	SX4-20-17P	SX4-36-17P
	30 Segment 7.0 Inch Touch Screen controller(Model With PL)	SX4-2-17PL	SX4-4-17PL	SX4-8-17PL	SX4-12-17PL	SX4-20-17PL	SX4-36-17PL
Function	Temp. Range	Max 1700℃(Long time Continuous working Temperature)					
	Temp. Accuracy	±1℃					
	Temp. Resolution Ratio	1℃					
	Temp. RISING Time To Max Temp	<40min					
Structure	Furnace Body	HHR Polycrystalline Mullite Fiber					
	Outer Shell	Cold rolling steel with electrostatic Spraying exterior					
	Chamber Size	150*90*150	150*150*150	300*150*150	300*200*200	300*260*260	300*400*300
	Exhaust Hole	Di φ 22，De φ 18					
	Heater	Sillcon Molybdenum Rod					
	Heating Power	3KW	5.5KW	9KW	10KW	12KW	15KW
Controller	Temp. Control	No Letter Model : LED Programmed Controller; P Type: LCD Imported Programmed Controller; PL Type: 7.0-inch touch screen program controller, with curve viewing and USB data storage functions.					
	Termp. Control Mode	Intelligent Microcomputer PID Control					
	Display Mode	No Letter Model: 4 keysSettings P Type: 5 keys Settings PLType: Touch Type Operation					
	Timer	No Letter Model: 0-9999min P Type: 0-99 hour 59min PL Type: 0-9999min					
	Operation Function	Constant Value Operation Or Program Operation					
	Sensor	S-type Thermocouple					
	Additional Function	Heating Start Stop Button, Sensor Fault Aarm,Temperature Overshoot Self Setting,Temperature Correction					
	Safety Device	Overtemperature Alarm,Leakage Protection, Door Opening Heating					
Specification	Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100	750*865*1150	750*925*1210	750*1065*1250
	Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310	910*1045*1360	910*1105*1420	910*1265*1460
	Volume	2L	4L	8L	12L	20L	36L
	Curent Rating (50/60HZ)	AC220V 50Hz		AC380V 50Hz			
	Nw/Gw (kg)	70/90	80/100	110/130	150/170	175/195	270/320
	Optional Type	485 Communication ,U Disk Data Storage					

Laminar Flow Cabinet (Vertical Type)

◎Vertical flow, airflow direction in the work space down from top to bottom.

Characteristics:

- Vertical laminar flow, with SUS 304 stainless steel bench board, effectively prevents external air into the cleaning work environment.
- Centrifuge fan, stable speed, low noise, lightly touch air volume control system, five-stage speed control, speed adjustable from 0.2-0.6m/s (initial 0.6m/s, final 0.2m/s)
- High quality non-separator HEPA filter, good purification effect.



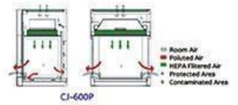
Patent No. : ZL 2015 3 0282033.5

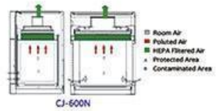
Main Technical Parameters:

Model		CJ-1D	CJ-1S	CJ-2D	CJ-2S
Applicable Station		one person one side	one operator two side	two person one side	two person two side
Airflow Direction		Vertical			
Function	Cleanliness	Class 100			
	Collection Efficiency	0.3um particle ≥99.995%			
	Colony count	≤0.5/vessel (petri dish is ϕ 90mm)			
	Wind Speed	initial: 0.6; final: 0.2 (m/s)			
	Wind Speed Range	0.2-0.6 (m/s)			
	Noise Level	≤62db			
	Vibration Semi-peak Value	≤3um			
	Illumination Lntensity (Lx)	≥500LX (Activity Center)			
	Work Surface	50kg			
Composition	Inner Chamber	SUS304 Stainless steel plate			
	Outer Shell	Cold rolling steel electrostatic spraying exterior			
	Operation Door	Tempered Glass			
	HEPA Filter (mm)	900*640*50 one piece		1300*640*50 one piece	
	Pre-Filter (mm)	464*360*5 one piece		712*360*5 one piece	
	Fluorescent Lamp	16W*2		24W*2	
	UV Lamp	20W*1		30W*1	
	Top Fan	180W one piece		180W two pieces	
	Rated power	240W		440W	
Controller	Display	LED			
	Wind Speed Control	Intelligent multi-level adjustable			
	Additional Function	Built in 2 multi-purpose sockets, high-efficiency filter, sterilization lamp replacement prompt, foot level adjustment, lighting sterilization one key on / off			
Specification	Inner Size (W*L*H)	920*690*550	920*690*550	1320*690*550	1320*690*550
	Exterior Size (W*L*H	1060*763*1734	1060*763*1734	1460*763*1734	1460*763*1734
	Packing Size (W*L*H)mm	1180*845*1900	1180*845*1900	1580*845*1900	1580*845*1900
	Max power of universal socket	Single socket: 800W			
	Current Rating (50/60Hz)	AC220V/1.8A		AC220V/3.6A	
	NW/GW kg	160/200	165/205	200/250	205/255

Mini Laminar Flow Cabinet
Mini Fume Hood

◎Table type clean equipment.





Characteristics:

- HEPA filter with efficiency: 99.995% at 0.3um.
- Microprocessor control system, LED Display.
- Manual front window is 5mm toughened glass, anti-oxidation.
- Air speed adjustable.
- Desktop type, with a handle, saving space and easy to move.
- Pre-filter is polyester fiber, washable and anti-ultraviolet radiation.
- Automatic cutting off UV lamp function by opening glass.



Patent No. : ZL 2018 3 0095053.5

Main Technical Parameters:

Model		CJ-600P	CJ-600N
Application Scope		Protect experiment samples	Protect operator and environment
Airflow Direction		Vertical	
Function	Cleanliness	Class 100	
	HEPA Filter	≥99.995% of 0.3um particle	
	Colony Count	≤0.5/vessel (petri dish is ϕ 90mm)	
	Wind Speed	initial:0.6 (m/s) ; final: 0.2 (m/s)	>0.5 (m/s)
	Wind Speed Range	0.2-0.6 (m/s)	
	Noise Level	≤62db	
	Vibration Semi-Peak Value	≤3um	
	Work Surface Bearing	10kg	
Composition	Inner Chamber	SUS304 Stainless steel plate	
	Outer Shell	Cold rolling steel electrostatic spraying exterior	
	Operation Door	Tempered glass	
	Operation Door Biggest Opening	310mm	
	Pre-Filter	Polyurethane	
	LED Lamp	8W*1	
	UV Lamp	8W*1	
	Top Fan	90W one piece	
Controller	Display	LED	
	Wind Speed Control	Intelligent multi-level adjustable	
	Additional Function	One key to open and close lighting sterilization	
Specification	Inner Size (W*L*H)(mm)	480*340*370	
	Exterior Size (W*L*H)(mm)	550*460*700	
	Packing Size (W*L*H)(mm)	670*585*915	
	Max Power	0.11kW	
	Current Rating (50/60Hz)	AC220V/0.5A	
	NW/GW kg	36/41	
Optional Accessories		No	

Laminar Flow Cabinet (Desktop Type)

◎Table type clean equipment.

Characteristics:

- HEPA filter with efficiency: 99.995% at 0.3um.
- Microprocessor control system, LED Display, Air speed adjust–able, HEPA filter and sterilization lamp replacement reminder function
- Desktop type, which can place higher equipment inside. Standard with universal power socket, optional internal and external USB port.
- Pre– filter is polyester fiber, washable and anti–oxidation.
- Working plate can load up to 50KG, UV lamp will be turn off automatically when open the glass window to protect users.





Patent No.: ZL 2019 2 0769812.0

Main Technical Parameters:

Model		CJ–1DZ
Applicable Station		one person one side
Airflow Direction		Vertical
Function	Cleanliness	Class 100(ISO Class 5)
	Collection Efficiency	0.3um particle ≥99.995%
	Colony count	≤0.5/vessel (petri dish is ϕ 90mm)
	Wind Speed	initial: 0.5;final: 0.2 (m/s)
	Wind Speed Range	0.2–0.5 (m/s)
	Noise Level	≤62db
	Vibration Semi–peak Value	≤3um
	Illuminat Lntensity(Lx)	≥500LX(Activity Center)
	Work Surface	50kg
Composition	Inner Chamber	SUS304 Stainless steel plate
	Outer Shell	Cold rolling steel electrostatic spraying exterior
	Operation Door	Tempered Glass
	HEPA Filter (mm)	780*533*50 one piece
	Pre– Filter (mm)	532*446*5 one piece
	Fluorescent Lamp	8W*1
	UV Lamp	8W*1
	Top Fan	160W one piece
	Rated power	180W
Controller	Display	LED
	Wind Speed Control	Intelligent multi–level adjustable
	Additional Function	Buit in 1 multi–purpose socket,high–efficiency filter,sterilization lamp replacement prompt,foot level adjustment, open the door and cut off UV function
Specification	Inner Size (W*L*H)mm	788*613*700
	Exterior Size (W*L*H)mm	852*714*1062
	Packing Size(W*L*H)mm	972*834*1292
	Max power of universal socket	800W
	Current Rating (50/60Hz)	AC220V/0.8A
	NW/GW kg	90/120
Optional		USB internal and external data connection socket, color LCD controller, Special configuration for 3D printer

Magnetic Stirrer

◎Magnetic mixing equipment with heating.

Characteristics:

- Heating power and stirring speed is stepless adjustable.
- With adjustable thermometer rack, stainless steel rods and the stir bar.





Patent No. : ZL 2018 3 0095053.5

Main Technical Parameters:

Model		SH–2A	SH–2B	SH–2	SH–3A	SH–3B	SH–3
Function	Max. Volume (ml)	–	2000	2000	–	5000	5000
	Speed (r.p.m)	–	100~2000		–	100~2000	
	Working Time	Continuous					
	Minimum Revolution (r.p.m)	–	100	100	–	100	100
	Max.Temp. (℃)	380	–	380	380	–	380
Structure	Exterior	Cast aluminium, Surface spraying					
	Plate Size(mm)	120×120			170×170		
	Driving Mode	–	Motor		–	Motor	
	Motor Power (W)	–	10		–	20	
	Heating Power(kW)	0.18	–	0.18	0.5	–	0.5
	Stir Bar	–	PTFE		–	PTFE	
Controller	Continuous Operation	Yes					
	Setting Mode	Scale					
	Speed Display Mode	–	Scale		–	Scale	
	Timer	No					
	Operation Function	No					
	Temp. Sensor	No					
Specification	Exterior Size (W*L*H)(mm)	200×120×90			265×185x190		
	Packing Size (W*L*H)(mm)	250×180×120			280×210×220		
	Plate Size (mm)	120×120			170×170		
	Plate Load	3KG			10KG		
	Power Supply (50/60Hz) Current Rating	110V or 220V					
	NW/GW (kg)	1.9/3	1.9/3	1.9/3	2.2/3.4	2.2/3.4	2.2/3.4

Ceramic Magnetic Stirrer

◎Magnetic stirring ceramic equipment with heating.

Characteristics:

- Stretched shell and cover prevent leaking.
- Heating and stirring can proceed simultaneously, Fully enclosed heating plate, no flame, fast heating, strong durability.

New digital model Ceramic Magnetic Stirrer with the following function:

SH-4C

- Setting temperature precisely.
- large LCD display, temperature and rotate speed can be displayed simultaneously.
- Double sensor: outer PT100 sensor to control liquid temperature precisely, inner K model sensor to control hot plate temperature.

SH-II-4C

- Setting temperature and stirrer speed precisely and no button of stirrer speed.
- With speed switch to start or stop the stirring at any time.
- Timing function (0-9999min), time adjustable under artificial requirement. Audible and visual alarm equipped.
- Double sensor: outer PT100 sensor to control liquid temperature precisely, inner
- K model sensor to control hot plate temperature.
- One key to shift inside and outside sensor easily and precisely.
- Large display can indicate temperature , rotational speed and timing at the same time.



Patent No. : ZL 2018 3 0095053.5

Main Technical Parameters:

Model		SH-4A	SH-4B	SH-4	SH-4C	SH-II-4C
Mode		Heating	Stirring	Heating + Stirring	Digital+ Heating + Stirring	
Function	Max. Volume (ML)	5000	5000	5000	5000	5000
	Speed (r.p.m)	–	200 ~ 2000			
	Working Time	Continuous				
	Minimum Revolution (R.P.M.)	–	200	200	200	200
	Max. Temp (℃)	380	–	380	350	350
Structure	Exterior	Iron plate welding, surface spraying				
	Heating Plate	Ceramic coated				
	Driving Mode	–	Motor			
	Motor Power (W)	–	20	20	20	20
	Heating Power(kW)	0.6	–	0.6	0.6	0.6
	Stir Bar	no	PTFE			
Controller	Continuous Operation	yes				
	Setting Mode	Scale			Digital	
	Speed Display Mode	Scale			Digital	Digital
	Timer	no				yes
	Operation Function	no				yes
	Sensor	no			PT100	PT100
Specification	Exterior Size (W*L*H)(mm)	320 × 190 × 125				
	Packing Size (W*L*H)(mm)	390 × 240 × 230				
	Plate Size (mm)	190 × 190				
	Plate Load	10KG				
	Power Supply(50/60Hz) Current Rating	110V or 220V				
	NW/GW (kg)	5/6	5/6	5/6	5/6	5/6

Overhead Stirrer

◎Large capacity mechanical mixing equipment.

Characteristics:

- Stainless steel head restraints, more durable.
- Digital display model, stirring has three modes: positive, reverse, positive and negative alternating.
- Digital type: brushless motor.
- SH-II-8C is new big power type, high torque,can be used for mixing mud.



Patent No. : ZL 2021 3 0287232.0

Main Technical Parameters:

Model		SH-II-6	SH-II-6C	SH-II-7C	SH-II-8C
Function	Max. Volume (L)	20	20	40	40
	Digital	–	LCD	LCD	LCD
	Speed (r.p.m)	100~2500	100~2500	100~2500	100~2500
	Working Time	Continuous			
	Minimum Resolution (r.p.m)	100	100	100	100
Structure	Exterior	Plastic shell			
	Driving Mode	Motor			
	Motor Power (kW)	0.06	0.06	0.08	0.12
Controller	Continuous Operation	Yes			
	Setting Mode	Scale	Digital	Digital	Digital
	Speed Display Mode	Scale	Digital	Digital	Digital
	Timer	No	Yes	Yes	Yes
	Operation Function	No	Yes	Yes	Yes
Specification	Exterior Size (W*L*H)(mm)	115 × 95 × 240			
	Packing Size (W*L*H)(mm)	400 × 250 × 210			
	Plate Size (mm)	200 × 300			
	Plate Load	50KG			
	Power Supply (50/60Hz) Current Rating	100~240V			
	NW/GW (kg)	5/6	6/7	7/8	8/9

Mini Magnetic Stirrer

◎Beautiful mini mixing equipment.

Characteristics:

- Shell is all plastic material (ABS), lightweight and durable.
- Mixing smoothly and fast, stirring speed stepless adjustable
- SH-Ⅱ-2：with LED light
- SH-Ⅱ-3：without LED light



Patent No. : ZL 2015 3 0547467.3

Main Technical Parameters:

Model		SH-Ⅱ-2	SH-Ⅱ-3
Mode		With light	Without light
Function	Max. Volume (ml)	1000	
	Speed (r.p.m)	100 ~ 500 or 100 ~ 2000	
	Working Time	Continuous	
	Minimum Resolution (R.P.M.)	100	
Structure	Exterior	Plastic	
	Driving Mode	Motor	
	Motor Power	0.01kW	
Controller	Continuous Operation	Yes	
	Setting Mode	Scale	
	Speed Display Mode	Scale	
	Timer	No	
	Operation Function	No	
	Speed &Temp. Sensor	No	
Specification	Exterior Size (W*L*H)(mm)	φ138*60	
	Packing Size (W*L*H)(mm)	210*170*88	
	Plate Size (mm)	φ120	
	Power Supply (50/60Hz) Current Rating	100V~240V	
	NW/GW (kg)	0.6/0.7	

Four Rows Magnetic stirrer

◎Magnetic mixing equipment.

Characteristics:

- 4 unit stainless hotplate can work together or separately.
- Stirring speed is stepless adjusted.



Patent No. : ZL 2015 3 0547467.3

Main Technical Parameters:

Model		SH-6	SH-7
Function	Max. Volume (ml)	1000ml*4	3000ml*4
	Speed (r.p.m)	100 ~ 2000	
	Working Time	Continuous	
	Minimum Resolution	100	
Structure	Exterior	Cold plate spraying, stainless steel plate	
	Driving Mode	Motor	
	Motor Power	0.01kW	0.02kW
Controller	Continuous Operation	Yes	
	Setting Mode	Scale	
	Speed Display Mode	Scale	
	Timer	No	
	Operation Function	No	
Specification	Exterior Size (W*L*H)(mm)	300*270*80	400*320*120
	Packing Size (W*L*H)(mm)	340*310*110	440*360*150
	Plate Size (mm)	300*250	400*300
	Plate Load	5KG	20KG
	Power supply (50/60Hz) Current Rating	110 or 220V	
	NW/GW (kg)	3/3.6	6/7

Electronic Control Heating Mantle

◎Up to 450 ℃ general heating.

Characteristics:

- Electronic temperature regulation mode with characteristics of stepless speed adjustable.



Patent No. : ZL2019 2 0769431.2

Main Technical Parameters:

Model		98-Ⅰ-B									
Function	Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
	Heating Mode	Surface heat-conduction									
	Surface Max.Temp.(℃)	450℃									
Structure	Heating Element	Nichrome wire									
	Shell	Cold roller steel plate, surface spraying									
	Insulation Layer	High quality aluminum silicate cotton									
	Heat Power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Controller	Working Mode	Continuous									
Specification	Exterior Size (mm)	c 220 × 165				c 280 × 220	c 330 × 230	c 340 × 245	c 350 × 250	c 425 × 320	c 470 × 340
	Packing Size (mm)	230 × 230 × 195				290 × 290 × 300	340 × 340 × 350	360 × 360 × 300	390 × 390 × 310	430 × 430 × 350	510 × 510 × 380
	Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
	N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
	G.W.(Kg)	2.8				6	7	8	9.2	12	20

●We can produce different size heating mantle as customer's requirement. For example: 4000ml,6000ml,50 liters, 100 liters and etc.

Magnetic Stirring Heating Mantles

◎Up to 450 ℃ general heating equipment.

Characteristics:

- Heating and stirring can be used simultaneously, stepless speed adjustable.



Patent No. : ZL2019 2 0769431.2

Main Technical Parameters:

Model		98-Ⅱ-B									
Function	Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
	Heating Mode	Surface heat-conduction									
	Surface Max.Temp.(℃)	450℃									
	Speed Range	0 ~ 1600rpm									
Structure	Heating Element	Nichrome wire									
	Stir Bar	PTFE									
	Insulation Layer	High quality aluminum silicate cotton									
	Shell	Cold roller steel plate,surface spraying									
	Motor Power	0.01kW									
	Heating Power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Controller	Working Mode	Continuous									
Specification	Exterior Size (mm)	c 220 × 165				c 280 × 220	c 330 × 230	c 340 × 245	c 350 × 250	c 425 × 320	c 470 × 340
	Packing Size (mm)	230 × 230 × 195				290 × 290 × 300	340 × 340 × 350	360 × 360 × 300	390 × 390 × 310	430 × 430 × 350	510 × 510 × 380
	Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
	N.W. (Kg)	2.5				5.5	6.5	7.5	8	9.8	16
	G.W. (Kg)	2.8				6	7	8	9.2	12	20

●We can produce different size heating mantle as customer's requirement. For example: 4000ml,6000ml,50 liters, 100 liters and etc.

Digital Display Heating Mantle

◎Up to 450 ℃ general heating equipment.



Patent No. : ZL2019 2 0769431.2

Characteristics:

- PID single screen temperature controller. fast heating, good temperature uniformity and high precise temperature control.
- Several rows type, produce as customer inquiry, beautiful shape, easy to operate and effec–tive.Beautiful shape,easy to operate and effective.
- PT100 Temperature sensor, with adjustable sensor rack and stainless rods.

Main Technical Parameters:

Model		98–II–C									
Function	Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
	Heating Mode	Surface heat–conduction									
	Surface Max.Temp.(℃)	450℃									
	Temperature control range	RT+20 ~ 250℃									
Structure	Heating Element	Nichrome wire									
	Insulation Layer	High quality aluminum silicate cotton (with CE)									
	Shell	Cold roller steel plate,surface spraying									
	Heating Power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Controller	Working Mode	Continuous									
Specification	Exterior Size (mm)	¢ 220 × 165				¢ 280 × 220	¢ 330 × 230	¢ 340 × 245	¢ 350 × 250	¢ 425 × 320	¢ 470 × 340
	Packing Size (mm)	230 × 230 × 195				290 × 290 × 300	340 × 340 × 350	360 × 360 × 300	390 × 390 × 310	430 × 430 × 350	510 × 510 × 380
	Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
	N.W. (Kg)	2.5				5.5	6.5	7.5	8	9.8	16
	G.W. (Kg)	2.8				6	7	8	9.2	12	20

●We can produce different size heating mantle as customer’ s requirement. For example: 4000ml,6000ml,50 liters, 100 liters and etc.

Digital & Magnetic Stirring Heating Mantles

◎Up to 450 ℃ general heating equipment.



Patent No. : ZL2019 2 0769431.2

Characteristics:

- PID single screen temperature controller.
- Heating and stirring can be used simultaneously, stepless speed adjustable.
- PT100 temperature sensor, with adjustable sensor rack and stainless rods.

Main Technical Parameters:

Model		98–III–B									
Function	Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
	Heating Mode	Surface heat–conduction									
	Surface Max.Temp.(℃)	450℃									
	Temperature control range	RT+20 ~ 250℃									
	Speed Range	0 ~ 1600rpm									
Structure	Heating Element	Nichrome wire									
	Stir Bar	PTFE									
	Insulation Layer	High quality aluminum silicate cotton									
	Shell	Cold roller steel plate,surface spraying									
	Motor Power	0.01kW									
	Heating Power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Controller	Working Mode	Continuous									
Specification	Exterior Size (mm)	¢ 220 × 165				¢ 280 × 220	¢ 330 × 230	¢ 340 × 245	¢ 350 × 250	¢ 425 × 320	¢ 470 × 340
	Packing Size (mm)	230 × 230 × 195				290 × 290 × 300	340 × 340 × 350	360 × 360 × 300	390 × 390 × 310	430 × 430 × 350	510 × 510 × 380
	Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
	N.W. (Kg)	2.5				5.5	6.5	7.5	8	9.8	16
	G.W. (Kg)	2.8				6	7	8	9.2	12	20

●We can produce different size heating mantle as customer’ s requirement. For example: 4000ml,6000ml,50 liters, 100 liters and etc.

Several Rows Magnetic Stirring Heating Mantles

◎Up to 450 ℃ general heating stirring equipment.



Characteristics:

- 98–IV–B: Electronic temperature regulation heating mode.
- 98–V–B: Electronic temperature regulation heating mode.heating and stirring can proceed simultaneously; stepless speed adjust–ment.
- 98–V–B model without 100ml

Main Technical Parameters:

Model		98–IV–B/98–V–B										
Function	Specification (ml)	2 × 100	2 × 250	2 × 500	2 × 1000	4 × 100	4 × 250	4 × 500	4 × 1000	6 × 100	6 × 250	6 × 500	6 × 1000
	Heating Mode	Surface heat conduction											
	Surface Max. Temperature	450℃											
	Temp. Range	Rt+vfc20 ~ 250℃											
	Speed Range	98–IV–B :no/98–V–B：0 ~ 1600rpm											
Structure	Heating Element	Nickel chromium alloy wire											
	Stir Bar	98–IV–B :no /98–V–B：PTFE											
	Outer Shell	Cold rolled steel plate, surface spraying											
	Motor Power	98–IV–B :no/98–V–B：0.01kW											
	Heating Power (kW)	2 × 0.1	2 × 0.15	2 × 0.25	2 × 0.35	4 × 0.1	4 × 0.15	4 × 0.25	4 × 0.35	6 × 0.1	6 × 0.15	6 × 0.25	6 × 0.35
Controller	Work Model	Continuous											
Specification	Exterior Size (mm)	280*140* 106	320*160* 170	360*180* 180	420*210* 200	530*140* 160	610*160* 170	690*180* 180	810*210* 200	820*140* 160	940*160* 170	1060*18 0*180	1240*21 0*200
	Packing Size (mm)	320*180* 190	360*190* 200	400*220* 210	570*180* 190	570*180* 190	650*190* 200	730*220* 210	850*250* 230	860*180* 190	980*190* 200	1100*22 0*210	1280*25 0*230
	Voltage	100 ~ 120V or 200 ~ 240V						200 ~ 240V					
	N.W. (Kg)	4	4	4	7	8	8	8	14	12	12	12	21
	G.W. (Kg)	5	5	5	8	10	10	10	16	15	15	15	24

●Accessories: Adjustable Sensor Rack with Stainless Steel Rods or Horizontal rods.
●We can produce different rows heating mantle as customer’ s requirement.

Hot Plate

◎Uniform temperature hot plate.



Patent No. : ZL 2019 2 0769297.6

Characteristics:

- Aluminum hot plate, uniform surface temperature
- Heating up fast and uniform, heating power is stepless adjustable
- Digital hot plate has the more functions as follows:
  Digital display can read the temperature more clearly.

Main Technical Parameters:

Model		SH–5A/5C	SH–6A/6C	SH–7A/7C	SH–8A/8C	SH–9A/9C
	Working Time	Continuous				
	Max Temp. (℃)	350℃				
Structure	Outer Shell	Iron plate welding, surface spraying				
	Hot Plate	Aluminum tensile				
	Heating Power(W)	1200	1800	2000	2600	3000
Controller	Continuous Operation	Yes				
	Setting Method	Scale / Digital				
	Timer	No / Digital				
	Operation Function	No				
	Temperature Sensor	K Mode				
	Exterior Size (W*L*H)(cm)	30*30*18	35*45*18	40*40*18	35*60*18	40*60*18
	Packing Size (W*L*H)(cm)	34*37*22	42*50*22	45*47*22	42*65*22	47*65*22
	Plate Size (mm)	300*300	350*450	400*400	350*600	400*600
	Plate Load	20KG	30KG	30KG	38KG	40KG
	Power Supply (50/60Hz)	220V				
	NW/GW (kg)	6.2/7	8.4/9.6	8.5/9.8	11/13	12/14.2

New Hot Plate, Graphite Hot Plate

Characteristics:

- Aluminum hot plate or Graphite hot plate, uniform surface temperature.
- Heating up fast and uniform.
- Digital hot plate: digital display indicating temperature of hot plate clearly.



Patent No. : ZL 2019 2 0769297.6

Main Technical Parameters:

Model		SH–5	SH–8	SH–9
		SH–5B	SH–8B	SH–9B
		SH–II–5B	SH–II–8B	SH–II–9B
	Max Temp. (℃)	SH–5,SH–8,SH–9: 320℃ SH–5B,SH–8B,SH–9B: 350℃ SH–II–5B,SH–II–8B,SH–II–9B: 400℃		
Structure	Outer Shell	Iron plate welding, surface spraying		
	Hot plate	Aluminum tensile: SH–5, SH–5B,SH–8,SH–8B, SH–9, SH–9B: Graphite Plate: SH–II–5B, SH–II–8B,SH–II–9B:		
	Heating power(W)	SH–5: 800 SH–5B: 1200 SH–II–5B: 1800	SH–8: 1500 SH–8B: 2400 SH–II–8B: 3000	SH–9: 2200 SH–9B: 3500 SH–II–9B: 4500
	Setting method	Scale: SH–5, SH–8, SH–9 Digital: SH–5B,SH–8B,SH–9B, SH–II–5B, SH–II–8B, SH–II–9B		
	Timer	No / Digital		
	Temperature sensor	K model		
	Temp. accuracy	SH–5,SH–8,SH–9: ± 10% SH–5B,SH–8B,SH–9B,SH–II–5B,SH–II–8B,SH–II–9B: ± 1%		
	Plate Temp. Uniformity	SH–5,SH–8,SH–9: ± 15% SH–5B,SH–8B,SH–9B,SH–II–5B,SH–II–8B,SH–II–9B: ± 10%		
	Exterior size (W*L*H) (mm)	340*370*220	420*500*220	470*650*220
	Packing size (W*L*H) (mm)	SH–5 / SH–5B: 520*380*250 SH–II–5B: 550*410*270	SH–8 / SH–8B: 560*520*250 SH–II–8B: 600*560*270	SH–9 / SH–9B: 660*620*250 SH–II–9B: 700*660*270
	Plate size (mm)	300*300	450*350	600*400
	Plate load	20KG	30KG	40KG
	Power supply (50/60Hz)	220V		
	NW/GW (kg)	SH–5 / SH–5B: 9 /10 SH–II–5B: 12 /13.5	SH–8 /SH–8B: 11 /12 SH–II–8B: 19 /20	SH–9 / SH–9B: 15 /17 SH–II–9B: 28 / 30

Note: SH–9B, SH–II–9B: without plug.

Thermostatic Water Baths

◎Used for precision constant temperature and auxiliary.



Characteristics:

- Inner tank: 1 hole, 2 holes, 2 rows & 4 four holes, 2 rows & 6 holes are stainless steel stretching inner chamber.
- 1 row & 4 holes, 1 row & 6 holes, 2 rows & 8 holes are stainless steel inner chamber.

Main Technical Parameters:

Name		1 hole	1 row & 2 holes	1 row & 4 holes	1 row & 6 holes	2 rows & 4 holes	2 rows & 6 holes	2 rows & 8 holes
Model		WB–3–1	WB–7–2	WB–13–4	WB–19–6	WB–12–4	WB–18–6	WB–20–8
Heating mode		Bottom heating,water temperature natural convection						
Function	Temp. Range	Rt+5~100℃						
	Temp. Resolution Ratio	0.1℃						
	Temp. Motion	±0.5℃						
	Temp. Uniformity	±1℃						
Structure	Water Sink	Stainless steel, surface electrolysis treatment						
	Outer Shell	Cold rolled steel plate, surface electrostatic powder spray						
	Heater	Stainless steel U type heating tube						
	Power Rating	300W	600W	1000W	1500W	800W	1200W	2000W
Controller	Temp. Control Mode	PID						
	Temp. Setting Mode	Touch button setting						
	Temp. Display Mode	Measuring temperature: display on the three digital tubes upper row , setting temperature: display on the lower row						
	Timer	0~999 min (with timing function)						
	Timing Function	Fixed temperature operation, timing function, auto stop.						
	Program Schema	Optional: multi–section program control						
	Additional Function	Deviation correction, menu key lock, power failure back–up, power–off parameter memory, PID adjustable						
	Sensor	Thermal resistor						
Safety device		Over–temperature alarm, short–circuit protection						
Specification	Inner Chamber Size(W*L*H)(mm)	160*160*130	305*160*130	600*165*130	900*165*130	305*305*130	470*305*130	600*290*130
	Exterior Size (W*L*H)(mm)	200*210*210	340*210*210	635*165*210	930*210*210	340*350*210	510*350*210	635*340*210
	Packing Size (W*L*H)(mm)	270*270*275	405*275*275	715*260*275	1000*260*275	415*415*275	575*410*275	700*415*275
	Internal Volume	3.3L	6.3L	12.8L	19.3L	12L	18.6L	20.6L
	Cover Aperture	⌀ 120mm						
	Cover Material	PP Plastic						
	Cover Number Per Hole	5						
	Power Supply (50/60Hz) Current Rating	AC220V 1.4A	AC220V 2.7A	AC220V 4.5A	AC220V 6.8A	AC220V 3.6A	AC220V 5.4A	AC220V 6.8A
	NW/GW (kg)	3KG/3.5KG	4KG/5KG	7KG/8KG	8KG/10KG	6KG/7KG	8KG/9KG	9KG/11KG

Thermostatic Water Baths (Stretching Inner Chamber)

◎Used for precision constant temperature and auxiliary.



Characteristics:

- Stainless steel stretching inner container and roof cover.
- Intelligent temperature controller with PID program, digital tube display and function of timing and over-temperature protection.
- Add the electric drain switch, one-button operation, convenient to drain, Note:single hole water baths have no drain function.
- Power off when water shortage to ensure the safe operation of the product.

Main Technical Parameters:

Classification Specifications		1 hole	1 row & 2 holes	2 rows & 4 holes	2 rows & 6 holes
Model	DK-2000-IIIL	√	√	√	√
Heating Mode		Nature water convection heat transfer			
Function	Temp. Range	RT+5 ~ 100℃			
	Temp. Resolution Ratio	0.1℃			
	Temp. Motion	±0.5℃			
	Temp. Uniformity	±1.0℃			
Structure	Inner Chamber	Stainless steel			
	Outer Shell	Cold – rolled steel plate, resistance to chemical reagents coating on the surface			
	Heater	Stainless steel heating tube			
	Power Rating	0.4kW	0.5kW	1.0kW	1.5kW
Controller	Temp. Control Mode	PID			
	Temp. Setting Mode	Touch button setting			
	Temp. Display Mode	Measuring temperature displays on the three digital tubes upper row, set temperature displays on the lower row			
	Timer	0 ~ 9999min (with timing wait function)			
	Operation Function	Fixed temperature operation, timing function, auto stop.			
	Program Mode	Optional			
	Additional Function	Deviation Correction, menu key locked, power failure back-up, power-off memory			
	Sensor	NTC			
Safety Device		Over temperature alarm			
Specification	Inner Chamber Size(W*L*H)(mm)	150*135*150	300*135*150	325*300*150	500*300*150
	Exterior Size (W*L*H)(mm)	170*154*210	318*168*210	350*318*210	524*322*210
	Packing Size (W*L*H)(mm)	240*230*280	390*240*280	420*390*280	600*390*280
	Volume	3.4L	6.1L	14.6L	22.5L
	Load Per Rack	5kg			
	Shelf Number	1			
	Power Supply (50/60Hz) Current Rating	AC220V/1.8A	AC220V/2.3A	AC220V/4.5A	AC220V/6.8A
	NW/GW (kg)	3.3/4	4.5/5	6/7	7.5/9

Transparent Water Bath

◎Used for precision constant temperature and auxiliary.



Characteristics:

- Using innovative design structure, effectively prevent steam leakage.
- Intelligent temperature control instrument with high brightness digital display, light-touch type key has the advantages of simple operation and high precision temperature control.
- Shell, interior and cover of the product are all made of transparent engineering plastics, can clearly see the object to be heated.
- Power off when water shortage to ensure the safe operation of the product.

Main Technical Parameters:

Model	DK-98-IV
Voltage (V)	200-240V/100-120V
Power (kW)	0.8
Temp. Motion (℃)	±0.5
Temp. Range (℃)	Rt+5~100
Temp. Sensitivity (℃)	≤±1
Shelves Height (mm)	Distance from bottom 100mm
Shelves Holes Diameter	Φ16×48mm
Inner Chamber Size (L*W*H)	280×220×150mm
Exterior Size (L*W*H)	400×260×190mm
Packing Size (L*W*H)	450×350×270mm
N.W. (KG)	3.5
G.W. (KG)	5
Optional Accessories	Different size chamber

Thermostatic Water Baths

◎Used for precision constant temperature and auxiliary.



Characteristics:

- SHHW21.420AII model cover for the two holes water bath, can be used as a digital two holes water bath.
- SHHW21.600AII model cover for the six holes water bath, can be used as a digital six holes water bath.

Main Technical Parameters:

Model		HHW21.420AII	SHHW21.420AII	HHW21.600AII	SHHW21.600AII
Function	Temp Range	RT+5 ~ 65℃	RT+5 ~ 100℃	RT+5 ~ 65℃	RT+5 ~ 100℃
	Temp Resolution Ratio	0.1℃			
	Temp Motion	±0.5℃			
	Temp Uniformity	±1.0℃			
Structure	Inner Chamber	High quality hairline stainless steel plate			
	Outer Shell	Cold rolling steel electrostatic spraying exterior			
	Cover	High quality hairline stainless steel plate			
	Cover Circle	Without	With	Without	With
	Test Tube Rack	Without	With	Without	With
Controller	Heater	Stainless steel heating tube			
	Power Rating	0.5kW	1kW	0.75kW	2kW
	Temp Control Mode	PID			
	Temp Setting Mode	Touch button setting			
	Temp Display Mode	Measuring temperature: display on the three digital tubes upper row ; setting temperature: display on the lower row			
	Timer	0 ~ 999min			
	Operation Function	Fixed temperature operation, timing function, auto stop.			
	Program Function	No			
	Additional Function	Deviation correction、Menu key lock、Power-off compensation、Power failure memory			
	Sensor	NTC			
Safety Device		Over temperature alarm			
Specification	Sink Size(W*L*H)(mm)	420*180*140		600*300*200	
	Exterior Size (W*L*H)(mm)	570*230*270		750*350*360	
	Packing Size (W*L*H)(mm)	720*320*380		900*440*440	
	Volume	11L		36L	
	Supply (50/60Hz) Current Rating	AC220V/2.3A	AC220V/4.5A	AC220V/6.8A	AC220V/9.1A
	NW/GW (kg)	8/9.5	8.5/10	17/19	18/20
Optional Accessories		Different sizes can be customized, can add power off protection function when water shortage.			

Ultrasonic Cleaner
Digital Model,With Timer And Heater

Characteristics:

- 1.Use ordinary tap water, alcohol or solvent as cleaning;
- 2.High power transducer cleaning effect significantly, usable macroscopic observation;
- 3.After cleaning objects shine light;
- 4.Digital LCD control boot time;
- 5.The stainless steel shell, bladder and cover, more upscale;
- 6.Waterproof properties is greatly improved, more safety products last;
- 7.With constant temperature system with heating;
- 8.The stainless steel ultrasonic cleaning basket (optional).



Main Technical Parameters:

Model	FSF-010S	FSF-020S	FSF-030S	FSF-031S	FSF-040S	FSF-060S	FSF-080S	FSF-100S
Frequency	40KHz							
Timer	0-30 min							
Heater	RT-80℃							
Transducer(PCS)	1	2	3	3	4	6	8	10
Capacity	2L	3.2L	4.5L	6.5L	10L	15L	22L	30L
Ultrasonic Power(W)	80	120	180	180	240	360	480	600
Heating Power	150W	150W	200W	200W	450W	450W	600W	600W
Tank size (L*W*H MM)	150*135*100	240*135*100	300*150*100	300*150*150	300*240*150	300*300*150	500*300*150	500*300*200
Unit Size (L*W*H MM)	175*160*210	265*165*220	325*180*220	325*180*280	325*265*280	360*325*285	530*325*285	530*325*325
Packing size (L*W*H MM)	260*260*290	340*245*310	410*255*310	410*255*355	435*360*350	460*410*340	635*405*340	635*405*390
G.W/N.W	2.4/2.9	3.6/4.3	4.6/5.5	5.4/6.3	7.3/8.4	9.1/10.3	12.6/14	14.4/16

Ultrasonic Cleaner Digital Series, With timer

Characteristics:

- 1.Use just tab water, or industrial alcohol and solvent cleaner for more higher cleaning requirement.
- 2.Digital timer, clear digital LCD display.
- 3.Power supply can be either AC 100 120V or AC 200 240V.
- 4.Industrial control chip microcontroller. flexible circuit boards control, more secure & stable.
- 5. Stainless steel made, resistance to wear.
- 6. Warranty time:12 months.



Main Technical Parameters:

Model	Frequency	Transducer (PCS)	Capacity	Ultrasonic Power(W)	Timer	Tank Size (L*W*H MM)	Unit Size (L*W*H MM)	G.W/N.W
FSF-008	42KHz	1	0.8	50	0-30 min	150*85*65	180*110*150	1.3/1

Portable Pressure Steam Sterilizer

Characteristics:

- 1.Fully stainless steel structure.
- 2.Double scale indication pressure gauge.
- 3.Electric heated.
- 4.Easy to operate, safe and reliable.



Main Technical Parameters:

Model	Capacity	Working Pressure	Working Temperature	Max.Safety Pressure	Heat Average	Power	Packing Size	G.W/N.W
FSF-18LD	18L Φ280*260mm	014-016Mpa	126℃	0.165Mpa	≤ ±0.1℃	2KW/ AC200V.50Hz	410*410*520mm	18kg/16kg
FSF-24LD	24L Φ280*390mm						410*410*630mm	19kg/17kg

Portable Pressure Steam Sterilizer

(Electric or LPG heated)

Characteristics:

- 1.Fully stainless steel structure.
- 2.Electric or LPG heated.
- 3.Double scale indication pressure gauge.
- 4.Easy to operate, safe and reliable.



Main Technical Parameters:

Model	Capacity	Working Pressure	Working Temperature	Max.Safety Pressure	Power	Packing Size(mm)	G.W/N.W
FSF-18LM	18L	0.14-0.16Mpa	126℃	0.165Mpa	AC220V.50Hz/2Kw	410*410*430	16/14KG
FSF-24LM	24L					410*410*550	17/15KG

Vertical Pressure Steam Sterilizer

Characteristics:

- 1.Fully stainless steel structure.
- 2.Hand wheel type of quick-open door structure.
- 3.Door safety lock system.
- 4.Digital display of working status,touch of key.
- 5.Self-inflating type seal.
- 6.Over temperature&over pressure auto-protection.
- 7.Safe protection of water lacking.
- 8.Automatically shut off with beep reminding after sterilization.
- 9.Auto discharge the cool air,and steam discharging auto matically after sterilization.
- 10.Used for sterilization of medical instruments, medical cotton products.
- 11.Fully stainless steel SUS304/AISI 304 -3mm.
- 12.24 months warranty.
- 13.Possible to install drying system according request.



FSF-28HD



FSF-35HD/50HD/75HD/100HD

Main Technical Parameters:

Model	FSF-28HD	FSF-35HD	FSF-50HD	FSF-75HD	FSF-100HD
Capacity	28L (Φ270*500)mm	35L (Φ318*450)mm	50L (Φ340*550)mm	75L (Φ400*600)mm	100L (Φ440*650)mm
Working pressure	0.22Mpa				
Working temperature	134℃				
Max.working pressure	0.23Mpa				
Heat average	≤ ±1℃				
Timer	0~99min or 0~99hour59 min				
Temp.range	105℃~134℃				
Power	2KW/ AC220V.50Hz	2.5KW/ AC220V.50Hz	3KW/ AC220V.50Hz	4.5KW/AC220V.50Hz	
Exterior size	400*370*700mm	450*450*1010mm	510*470*1130mm	560*560*1120mm	540*560*1250mm
Packing size	440*320*750mm	570*550*1150mm	590*590*1280mm	650*630*1280mm	680*630*1370mm
G.W/N.W	26/23kg	72kg/56kg	88kg/68kg	100kg/80kg	110kg/85kg

Stainless Steel Water Distiller (Automatic Control Type)

◎This product uses tap water as the source water and uses electric heating distillation method to produce distilled water, which is suitable for medical treatment, chemical industry, scientific research , laboratories and etc.

Characteristics:

- The whole shell is designed in stainless steel, and the evaporation tank, condenser and heater are all made of stainless steel, which are resistant to corrosion and aging.
- With water shortage protection function, when the liquid level is too low, it will automatically alarm and quickly cut off the heating, to ensure that the heater will not burn out, it is easy to operate, safe and reliable.
- Automatic water replenishment function, when the cooling water is restored to supply water, it will automatically enter the evaporation bucket, to ensure that the float switch automatically controls the power supply, and automatically restore the output of distilled water.



DZ

Main Technical Parameters:

Model	Voltage(V)	Output(L/H)	Heating Power(kw)	G.W(kg)	N.W.(kg)	Exterior Size (DiaxH) mm	Packing Size (LxWxH) mm
DZ-5LIII	220	≥5	4.5	9.5	6	ϕ305×730	380×350×870
DZ-10LIII	380	≥10	7.5	10.5	7.5	ϕ335×830	390×350×900
DZ-20LIII	380	≥20	15	13.5	11	ϕ405×980	410×410×1055

FSF-300 Basic Power Supply

Characteristics:

- Molding shell,touch keys,microprocessor intelligent control.
- With automatic memory function.
- With standard,timing operation function.
- Automatic detection of no-load,over-load.



Specifications:

Type of Output	Output range	Increment	Timer Range	Display	Output jacks
Constant-Voltage,Current	5~300V,1~300mA,Maximum 90W	1V,1mA	1min~9hr,59min	LED	Two sets of output jacks

FSF-600 Basic Power Supply

Characteristics:

- Molding shell,touch keys,microprocessor intelligent control.
- With automatic memory function.
- With standard,timing operation function.
- Automatic detection of no-load,over-load.



Specifications:

Type of Output	Output range	Increment	Timer Range	Display	Output jacks
Constant-Voltage,Current	5~300V,1~300mA,Maximum 90W	1V,1mA	1min~9hr,59min	LED	Two sets of output jacks

FSF-300C Universal Power Supply

Characteristics:

- Molding shell,touch keys,microprocessor intelligent control.
- With automatic memory function.
- With standard,timing operation function.
- Automatic detection of no-load,over-load.



Specifications:

Type of Output	Output range	Increment	Timer Range	Display	Output jacks
Constant-Voltage, Current or Power	5~300V,1~400mA 1-120W	1V,1mA	1min~99hr,59min	LCD display with backlight	Four sets of output jacks

FSF-600C Universal Power Supply

Characteristics:

- Molding shell, touch keys, dual core microprocessor intelligent control
- It can store 10 electrophoresis methods; With automatic memory function.
- With constant voltage, constant current, constant power, misoperation, fault intelligent prompt functions.
- Automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating.



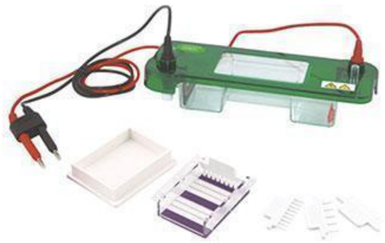
Specifications:

Type of Output	Output range	Increment	Timer Range	Display	Output jacks
Constant-Voltage, Current or Power	10~600V,1~500mA 1-300W	1V,1mA	1min~99hr,59min	LCD display with backlight	Four sets of output jacks

FSF-SPAT Horizontal Electrophoresis Cell

Characteristics:

- Abundant buffer not only guarantees cooling effect,but also keeps the pH Value stable during the whole experiment process.
- Unfolded electrodes make repair and replacement easy and quick.
- With the sample background color design on the tray,convenient to adding the sample.
- Safety cover open button design, convenient opening the cover.
- The transparent top lid effectively prevents liquid in the cell from volatil–izing and avoids and electricity leakage.
- Auto–switch–off when the lid is removed.



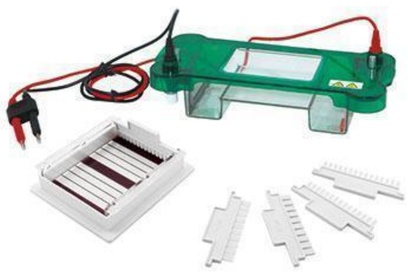
Specifications:

Gel Size (W*L)	Sample volume	Buffer Volume	Dimension(L*W*H)	Net weight
48*75mm	3,5,9.1	~150ml	250*90*50(mm)	0.4kg

FSF-SPBT Horizontal Electrophoresis

Characteristics:

- Abundant buffer not only guarantees cooling effect,but also keeps the pH Value stable during the whole experiment process.
- Unfolded electrodes make repair and replacement easy and quick.
- With the sample background color design on the tray,convenient to adding the sample.
- The transparent top lid effectively prevents liquid in the cell from volatil–izing and avoids and electricity leakage.
- Auto–switch–off when the lid is removed.



Specifications:

Gel Size (W*L)	Sample volume	Buffer Volume	Dimension(L*W*H)	Net weight
78*100mm	10,15	~400ml	365*105*55(mm)	0.6kg

Mini-Protean Vertical Electrophoresis Cell FSF-SCZ2+

Characteristics:

- The installation of the glass plate in just 15 seconds, and does not need the knob, fast and convenient.
- With a gel casting in original position, no need to move glasses from gel making to elctrophoresis running. It is more convenient to observe gel preparing through both sides of the glasses.
- High transparent polycarbonate material injection molding, impact resistance, high temperature resistance, corrosion resistance.
- Safety cover open button design, convenient opening the cover.
- With the background color, easy to be observed in the sample adding and electro–phoresis process.
- Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- Auto–switch–off when the lid is removed.





Specifications:

Glass plate size (W×L)	Gel Size (W×L)	Gel thickness	Gel amount	Sample volume	Buffer Volume	Dimension (L×W×H)	Net weight
100×100 mm	82×88 mm	0.75、1.0、1.5 (mm)	1~2 (pieces)	(0.75mm) 11、15 wells; (1.0mm) 11、15wells; (1.5mm) 11、15wells	~750 (ml)	150×120×115 (mm)	1.5 (kg)

Mini-Protean Electrophoresis Cell FSF-SCZ4+

Characteristics:

- The installation of the glass plate in just 15 seconds, and does not need the knob, fast and convenient.
- With the gel making device of normal position, don’ t should to moving the glass plate from the process of making gel to electrophoresis, convenient for observation the gel preparation from the glass on both sides, ensures fast set up times and leak–free operation.
- Safety cover open button design, convenient opening the cover;
- With the background color, easy to be observed in the sample adding and electro–phoresis process;
- Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- Auto–switch–off when the lid is removed.



Specifications:

Glass plate size (W×L)	Gel Size (W×L)	Gel thickness	Gel amount	Sample volume	Buffer Volume	Dimension (L×W×H)	Net weight
100×100 mm	82×88 mm	1.0、1.5 (mm)	1~4 (pieces)	(1.0mm) 11、15wells; (1.5mm) 11、15wells	~1000 (ml)	220×170×120 (mm)	2.5 (kg)

Digital Angle Centrifuge FLC-04R-C

Characteristics:



- 1.Fixed angle rotor with capacity for 6 tubes of 15 mL (dimensions 16x100 mm)
- 2. Transparent polycarbonate lid for visualization and control of rotor.
- 3. LED display for adjustment and visualization of operation time and speed.
- 4. Safety switch that avoids centrifugation if the lid is open and that automatically stops operation in case of opening the lid.
- 5. Elastic suspension motor to assure a soft operation.
- 6. Sucker feet for a good fixation to the working surface.

Main Technical Parameters:

Model	FLC–04R–C
Control	Digital
Rotor	Fixed–angle
Speed	1000–4000 rpm (steps of 500 rpm)
Time	1–59 min (steps of 1 min)
Capacity	6x15 ml
Max. RCF	1790 g
Consumption	80 W
Power	220 V – 50 Hz

Digital Tabletop Low Speed Centrifuge

Characteristics:



- 1.DC brushless motor drive, digital display speed and running time
- 2.Mechanical door lock
- 3.Used for fat graft purification, PRP and other cosmetic surgery fields.

Main Technical Parameters:

Model	FTD–4C
Maximum speed	4000r/min
Maximum RCF	2350 × g
Max volume	12 × 15ml
Power supply	AC 220V 50HZ
Timer	1 ~ 99min
Noise	≤55dBA
Exterior Size (mm)	270 × 290 × 230
Packing Size (mm)	350x340x360
N.W / G/W (KG)	8 / 9

Optional configuration introduction

Optional configuration	Optional configuration introduction	Picture	Price
Color touch paperless recorder	1. 3 – inch LED display, with a standard USB2.0 interface. 2. Support USB data transfer function. 3. Easy for user to save the data that the GMP certification needed.		5500RMB
Wireless text messages, alarm system	1. If the device goes wrong and user are not in the scene, the system will gather failure promptly to send the text message to the receiving people on the mobile phone, ensure to troubleshoot, recover experi–ment, avoid damage. 2. Can immediately check the working status of equipment and control. 3. Excluding mobile phone.		2000RMB
Embedded, thermal printer	Print the required data		1500RMB
Embedded, needle type printer	1. Print the required data 2. Printer + controller + power		1800RMB
16 channel temperature inspecting meter introduction	1.Used for temperature uniformity test in the box–type chamber. 2.High–precision, 3 meter long, PT100 sensor. Measuring range: 0–300℃ 3.Backlight type 3.5 inch 128*64 high resolution LCD display screen, 16 channel data display on one screen, can search historical data, change time scale on curve. 4.With multiple protection and isolation design, the anti–interference ability is strong and the reliability is high 5.Measurement accuracy: 0.2%FS ± 1d, refresh cycle 2S/16 channel.		4500RMB
Multi – segment programmable LCD temperature controller	1. Micro – computer controller, time and heating rate. 2. Can preset programmable in paragraph 64, each setting time 1–99 hours, 99 minutes. 3. Multi – segment programmable control, you can simplify the complex process of experiment, the actual realization of automatic control and operation.		1500RMB
RS485/232 Communication Interface	Display, monitor the data of the experiment via con–		600RMB
U–Disk data storage, with USB module	USB data transfer interfaces, available with data transfer, with USB module.		1000RMB