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ABOUT US

BIOBASE group, the professional manufacturer for Laboratory and Medical equipment.

During long term friendly bilateral cooperation relationship with customers, BIOBASE is always being trusted. The customers purchase BIOBASE made goods, at the mean time, more and more customers are willing to buy a variety of goods from BIOBASE. In order to satisfy customers' demand and ensure customers' benefit, BIOBASE made field trip to many suppliers in China, controlled the product quality stricly in stead of customers, as well as strived from the suppliers to get competitive pricing. Recently, BIOBASE has confirmed many OEM partners, and will keep searching for more suppliers upon customers' request.

In 2012, BIOBASE established Subsidiary company Biobase Meihua Trading Co., Ltd specially for this work. Once the customer has a request, then we will fight.

In addition, any abroad strength manufacturer is welcome to contact us, we can work together to open China market through Biobase Meihua Trading Co., Ltd.

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Autoclave

Autoclaves are equipment for sterilizing widely used in microbiology, medicine, podiatry, tattooing, body piercing, veterinary science, mycology, dentistry, and prosthetics fabrication. They vary in size and function depending on the media to be sterilized.

Table Top Autoclave Class N Series

Features:

1. Adopting European N standard, with thermal vacuum and drying functions, it can be used for A-type hollow instruments and solid instruments. Thermodynamic vacuum guarantees elimination of cold air from the cavity and makes sure that reaches the optimal effect of sterilization.
2. Specially design for dental clinic field, it could sterilize 12 pieces hand piece at same time, simply and efficiently.
3. Sliding door design for easy secure operating—for BKM-Z2N.
4. Microprocessor control, LCD or LED display and modularized panel for easy operation.
5. Automatic malfunction detection system makes easy maintaining.



Technical Parameters:

Model	BKM-Z2N	BKM-Z7N	BKM-Z10N	BKM-Z12N	BKM-Z18N	BKM-Z24N
Capacity	2L	7L	10L	12L	18L	24L
Sterilization Class	Class N					
Sterilization Temp.	121°C, 134°C					
Drying Procedure	Heating dry					
Display	High-light LED tube display					
Testing System	Bowie&Dick, Steam penetration test					
Control Precision	Temperature: 1°C					
	Pressure: 0.1bar					
Sterilization Data	Optional Mini printer					
Safety System	Relief valve					
	Hand lock door					
	Pressure lock system					
	Pressure or temperature over load protection					
Chamber	Alarm system					
	Build-in water tank, easy to clean					
	SS basket, SS shelf					
	Medical stainless steel 304					
Ambient Temp.	Max working pressure: 2.3bar					
	Min working pressure: -0.9bar					
	Max temperature: 145°C					
Noise	5 ~ 40°C					
Water Consumption in One Cycle	<50db					
	0.12L~0.16L 0.16L~0.18L					
Power Supply	110/220V ± 10%, 50/60Hz					
Power Consumption	1200W	1400W	1400W	1400W	1500W	1700W
Chamber Size(mm)	φ 88*175	φ 170*320	φ 192*320	φ 192*340	φ 245*360	φ 245*470
External Size(mm)	350*284*376	540*370*360	540*370*360	560*450*400	560*450*400	670*450*400
Packing Size(mm)	415*345*441	615*440*425	615*440*425	660*525*495	660*525*495	770*525*495
Net Weight	26kg	37kg	40kg	43kg	47kg	53kg

Table Top Autoclave Class B Series



Features:

The newly-designed model with opening water tank on the top, strictly meets the standard of EN13060, which makes wash and cleaning much more convenient.

It adopts European B standard with 3-times pre-vacuum preceding vacuum drying. Residual humidity is less than 0.2%.

Vacuum measurement reaches -0.8bar. It sterilizes and sanitizes miscellaneous packed or unpacked medical instruments, Whether solid or A-type hollow, whether with multi-apertures or inset pipes. It efficiently tides air from every hollow area of any hollow instrument, such as hand-piece, making sure that water steam reaches every corner.

Fuzzily computer controlled, digital bright show. The interface is modularized panel for easy operation.

It is installed with BOWIE&DICK which measures the penetration of water steam.

Mini printer can be attached to record the process of sterilization.

Technical Parameters:

Model	BKM-Z2B	BKM-Z7B	BKM-Z10B	BKM-Z12B	BKM-Z16B	BKM-Z18B	BKM-Z24B
Capacity	2L	7L	10L	12L	16L	18L	24L
Sterilization Class	Class B						
Sterilization Temperature	121℃,134℃						
Special Program	HIV, HBV long-sterilization program						
Dry System	Vacuum drying system						
Display	High-light LED tube display						
Testing System	Bowie &Dick Test						
	Vacuum Test						
	Helix Test						
Control Precision	Temperature: 1℃						
	Pressure: 0.1bar						
Sterilization Data	Optional Mini printer						
Safety System	Relief valve						
	Hand lock door						
	Pressure lock system						
	Pressure or temperature over load protection						
	Alarm system						
Water Supply System	Build-in water tank, easy to clean						
Tray Holder	SS basket, SS shelf						
Chamber	Medical stainless steel 304						
	Max working pressure:2.3bar						
	Min working pressure: -0.9bar						
	Max temperature: 145℃						
Ambient Temperature	5 ~ 40℃						
Noise	<50db						
Water Consumption in One Cycle	0.12L~0.16L	0.16L~0.18L					
Power Supply	110/220V ± 10%, 60/50Hz						
Power Consumption	1200W	1400W	1400W	1400W	1800W	1500W	1700W
Chamber Size(mm)	φ 88*175	φ 170*320	φ 192*320	φ 192*340	φ 240*360	φ 245*360	φ 245*470
External Size(mm)	350*284*376	540*370*360	540*370*360	560*450*400	445*550*395	560*450*400	670*450*400
Packing Size(mm)	415*345*441	615*440*425	615*440*425	660*525*495	670*550*500	660*525*495	770*525*495
Net Weight	26kg	37kg	40kg	43kg	47kg	47kg	53kg

Automatic High Temperature and Pressure Rapid Sterilizer

BKM-BIII series sterilizer is an automatic high temperature and pressure rapid sterilizer which works with steam as medium. It can be widely used in department of stomatology and ophthalmology, operating room, supply room, dialysis room and other medical institutions. It is unpacked items, solid instruments, dental hand pieces, endoscopes, implantable instruments, dressing fabric and rubber tubes, etc.



Features:

Build-in open type water tank

The sterilizer adopts easy-clean open type water tank that equipped with water quality monitor to ensure the reliability of steam quality and sterilizer operation .A fully injected water tank can support repeated program running.

Brand-new operation interface

The LCD screen can display temperature, pressure, time, operating status, failure warning and other information. It is convenient for customers to observe the sterilizer running status.

Multiple security protective device

Overhead auto protective device, multiple control and protection for steam generator safe door interlock, double overpressure protection, electronic circuit safety device.

Automatic door

BKM-Z18/24/45BIIIseries adopt auto door structure that can effectively prevent scald. BKM-Z60/80BIII series door structure adopt multipoint stitching technology to ensure seal reliability .The door equipped with convenient one-button switch.

High-efficiency ultimate vacuum

The sterilizer adopts high-efficiency low noise vacuum system which has excellent effects. The ultimate vacuum value can reach -90KPa or above.

Multiple program types

The system has various programs that include: packed items, unpacked items, custom program, rapid program, BD testing program, vacuum testing program, preheat program and drying program.

High-efficiency steam generator

BKM-Z18/Z24/Z45BIII equipment with build-in instant steam generator. BKM-Z60/Z80BIII equipped with build-in energy-storing steam generator.

Other features

0.22um high-efficiency sterilizing filter that guarantees the air is sterile and prevents repeated contamination. All the processes of water injection, pulse vacuum, heating up, sterilization, exhausting and drying are automatic.

Optional configuration

Operation type: push-button operation or inductive operation or inductive operation

Record type: printer

Electronic storage: USB flash disk

Remote monitoring: computer or pad

Technical Parameters:

Model	BKM-Z18BIII	BKM-Z24BIII	BKM-Z45BIII	BKM-Z60BIII	BKM-Z80BIII
Capacity(L)	18L	24L	45L	60L	80L
Design Pressure	-0.1/0.3MPa				
Design Temp.	144℃				
Temp.Range	105-136℃				
Chamber Material	06Cr19Ni10 Stainless steel				
Power Supply	110/220V ± 10%, 50/60Hz				
Consumption	2KW	2KW	3.8KW	7KW	7KW
Chamber Size(mm)	ø250*350	ø250*450	ø316*618	ø385*595	ø385*717
External Size(mm)	585*515*450	685*515*450	830*640*550	1002*730*560	1002*730*560
Net Weight	55Kg	65Kg	115Kg	160Kg	180Kg

Hand Wheel Vertical Autoclave

Application Range:

It is mainly used in hospitals, laboratories, universities and other institutes where users need to sterilize temperature-resistance solid and liquid.

Technical Features:

1. Micro processor control system with various functions.
2. Hand wheel type of quick-open door structure.
3. Complete process of filling water, pulse exhaust, heating, sterilizing and drying run automatically.
4. LED display indicates inner temperature and time as well as error codes.
5. Over temperature&over pressure auto-protection
6. Positive pressure pulse exhaust the inner air, keeps steam saturation.
7. Preheating of chamber and drying after sterilizing to make sure complete sterilization and drying effect.
8. Inner water tank, water and steam circulate inside.
9. Self expanding silicon sealing ring.
10. Printer is optional.
11. Temperature can be set freely(50℃~126℃).
12. Time can be set freely(0~999 min).



Safety Feature:

1. Heating protection device.
2. Anti dry-out function.
3. Door interlocks with pressure.
4. Over temperature& pressure protection device.
5. Safety valve works when pressure exceeds.
6. Electricity protection.

Technical Parameters:

Model	BKQ-B50II	BKQ-B75II	BKQ-B100II	BKQ-B150II
Capacity	50L	75L	100L	150L
Chamber size	Φ350*520mm	Φ391*695mm	Φ500*560mm	Φ500*760mm
Chamber material	SUS304 medical stainless steel			
Rated working pressure	0.175MPa			
Rated working temp	130℃			
Max pressure	0.2Mpa			
Timing range	0~999min			
Temp range	50℃ ~126℃			
Consumption	4.8KW	5.8KW		6.0KW
Power supply	110/220V ± 10%, 50/60Hz			380V.50Hz
Standard accessories	Stainless steel basket*2pcs			
External size(mm)	500*620*1200	550*640*1300	710*840*1300	710*840*1500
Packing size(mm)	560*680*1400	610*700*1500	770*900*1500	770*900*1700

Vertical Autoclave

Features:

1. Fully stainless steel structure.
2. The cover can be opened easily.
3. Audio and visual alarm for low level water, automatic water supply system.
4. Downward displacement (Gravity-type) ensures a pure steam environment.
5. Safety valve release air intermittently to ensure stable pressure and temperature automatically.
6. Pressure meter displays chamber temperature and pressure.
7. Immersion heater ensures a high effective thermal.



BKQ-Z30/Z50/Z75/Z100



BKQ-B30/B50/B75

Technical Parameters:

Model	BKQ-B30	BKQ-B50	BKQ-B75	BKQ- Z30	BKQ- Z50	BKQ-Z75	BKQ-Z100
Capacity	30L	50L	75L	30L	50L	75L	100L
Chamber Size	Φ388*390mm	Φ388*630mm	Φ388*740mm	Φ388*390mm	Φ388*630mm	Φ388*740mm	Φ388*830mm
Max Pressure	≥ 0.2Mpa						
Working Pressure	0.14~0.165Mpa			0~0.14Mpa,controlled by temperature			
Working Temp	126℃			RT+5~126℃			
Temp Fluctuation	<2℃			<1℃			
Timing	No			1~5999min			
Power Supply	220V,50/60Hz						
Consumption	3KW						
Basket Qty	1pc	2pcs	2 pcs	1pc	2 pcs	2 pcs	2 pcs
External Size	700*510*730mm	700*510*820mm	700*510*930mm	700*510*730mm	700*510*820mm	700*510*930mm	700*510*1040mm
Packing Size	770*650*820mm	770*650*960mm	770*650*1060mm	770*650*820mm	770*650*960mm	770*650*1060mm	770*650*1160mm
Gross Weight	85kg	90kg	100kg	85kg	90kg	100kg	115kg

Portable Autoclave

Application Rang

It's desk-top autoclave sterilizer which is designed for the hospital, clinic, lab, etc. It's mostly suitable for sterilizing of surgical, dental instruments, glassware, culture medium and biological dressing, food and goods, etc.

Features:

- 1.Immersion type electric heating pipe, thermal efficiency is high, stainless steel material tube is durable to use.
- 2.It is well sealed and effectively prevents steam leakage.
- 3.Over temperature & over pressure auto-protection.
- 4.Steam-water inner circulation system: No steam discharge and the environment for sterilizing will be clean and dry.
- 5.Double groove pressure gauge, could clearly indicate, convenient observation, reliable performance.
- 6.When at lower water level, or at the end of heat preservation time, have buzzer alarm, timing control type will automatically stop heating (for timing control type).
- 7.Two safety valves keeps double safety(for timing control type).
- 8.It has self adjustment function(for timing control type).
- 9.The sterilizer is provided with a power switch, user can control the operation easily.
- 10.Electric heating or gas heating can be choosed (for Dual fuel Type).
- 11.The sealing ring is made of silicon rubber.
- 12.Easy operation, safe and reliable

Technical Parameters:

Model	BKM-P18(D)	BKM-P24(D)	BKM-P18(A)	BKM-P24(A)	BKM-P18(B)	BKM-P24(B)
Type	Timing control type		Anti-dry out type		Dual fuel Type	
Capacity	18L	24L	18L	24L	18L	24L
Time Setting	1~99 min		No			
Temp Setting	Rt +5~126℃		126℃ or 121℃			
Power Supply	220V, 50/60Hz					
Consumption	2KW					
Working Pressure	Along with temperature changes		0.142Mpa			
Chamber Size(mm)	φ 280*210	φ 280*310	φ 280*210	φ 280*310	φ 280*210	φ 280*310
Packing Size(mm)	420*420*560	420*420*660	420*420*560	420*420*660	420*420*560	420*420*660



Timing control type



Anti-dry out type



Dual fuel type

Horizontal Pulse Vacuum Sterilizer

Horizontal Pulse Vacuum Sterilizer is suitable for sterilizing unwrapped, wrapped, solid, hollow A, hollow B, instrument with built-in pipe and implanted instrument which can withstand high temperature and pressure in the places including oral department, ophthalmology, operation room and lab.

Main Features:

- Post-pulse vacuum drying system; after drying, the residual humidity for appliances is no more than 0.2%, and that for dressing, 1%;
- Built-in steam generator; microcomputer control;
- The temperature, pressure, time, running status and error alarms can all be dynamically displayed;
- Sterilizing procedures specially designed for exposed appliances, appliance wraps, dressings, rubber, and so on; test procedures such as the B & D test and leak test;
- The date, time and process parameters can be directly printed by the printer installed.

Safety Devices:

- Overheating protection
- Safety valve
- Door interlock device
- Circuit safety device



Technical Parameters:

Model	BKQ-Z150H	BKQ-Z200H	BKQ-Z300H
Capacity	150L	200L	300L
Chamber Size	φ 500 × 710mm	φ 500 × 950mm	φ 632 × 1000mm
Working Temp	105~136℃		
Temp Precision	0.1℃		
Max Working Pressure	0.23Mpa		
Pressure Precision	0.1Kpa		
Power Supply	380V, 50Hz		
Consumption	11KW	11KW	17KW
External Size	1110*750*1742mm	1350*750*1742mm	1400*890*1742mm
Net Weight	200Kg	230Kg	350Kg

CO₂ Incubator

Features:

1. PID controller displays temperature, CO₂ concentration and runtime and timing time.
2. UV Lamp which located the back of box can sterilize circulatory air and the cell in humid tray.
3. HEPA high quality filter make sure the inside air quality up to Class 100.
4. SUS304 Stainless Steel with the semicircular arcs at corners for easy cleaning.



Technical Parameters:

Model	BJPX-C80	BJPX-C160
Capacity	80L	160L
Consumption	400W(air jacket)	600W(air jacket)
Shelves no.	2 pcs/ adjustable	
External material	Cold-rolled steel with painting	
Internal material	Stainless steel	
Door inside	Toughened glass	
Thermal barrier	Polystyrene film	
Temp. range	RT +5~65℃	
Control type	PID control	
Temp. fluctuation	≤ ±0.2℃	
Temp. uniformity	≤ ±0.3℃	
Time setting	0~9999mins or continuous	
CO ₂ consistency control	0~20%	
CO ₂ control way	Proportion match	
Sterilization type	UV lamp	
Power supply	110/220V ±10%, 50/60Hz	
External size(cm)	56.5*58*82	66.4*97*69
Internal size (cm)	40*40*50	50*65*50
Alarm	High Temp.;	
	Temp. sensor broken;	

CO₂ Incubator

Features:

1. Double-layer door structure: Open outer door, observe studio experimental results through the inner door which is made from high intensity toughened glass, Temp. and humidity unaffected.
2. Independent heating system of the door, avoid inner glass connect dew phenomenon effectively.
3. Humidity is controlled by water dish natural evaporation, displayed directly.
4. UV lamp for sterilization, more effectively prevent cell of pollution in incubation period.



Optional accessories: 1.Printer 2.RS485 connector 3.BOD socket 4.HEPA filter

Technical Parameters:

Model	BJPX-C80A	BJPX-C160A	BJPX-C80II	BJPX-C160II	BJPX-C270
Capacity	80L	160L	80L	160L	270L
Consumption	600W(air jacket)	700W(air jacket)	600W(air jacket)	700W(air jacket)	1200W(air jacket)
			900W(water jacket)	1200W(water jacket)	2100W(water jacket)
Shelves no.	2 pcs/ adjustable	3 pcs/ adjustable	2 pcs/ adjustable	3 pcs/ adjustable	3 pcs/ adjustable
External material	Cold-rolled steel with painting				
Internal material	Stainless steel				
Door inside	Toughened glass				
Thermal barrier	Polystyrene film				
Temp. range	Room Temp. +5 ~65℃				
Control type	PID control				
Temp. fluctuation	≤ ±0.2℃				
Temp. uniformity	≤ ±0.3℃				
Time setting	9999mins or continuous				
CO ₂ consistency control	0~20%				
Power supply	110/220V ±10%, 50/60Hz				
CO ₂ control way	Proportion match			Infrared sensor electromagnetic valve button control	
Internal size (cm)	41*40.5*51	50.5*45.5*70	41*40.5*51	50.5*45.5*70	60*60*75
Net / Gross weight(kg)	60/90	80/115	60/90	80/115	132/165
Sterilization type	UV lamp				
Alarm	High Temp.;			High Temp.; Temp. sensor broken;	
	Temp. sensor broken;			Water shortage; CO2 concentration; CO2 cut off	

Constant Temperature & Humidity Incubator



- 1.The inner is made of high quality mirror finish stainless steel, which is anticorrosive, acid-proof and easy to clean.
- 2.The height and number of the shelves in the working chamber can be adjusted freely.
- 3.Double-layer door structure, when the outer door is open, the working chamber can be observed through the inner glass door, and neither the temperature nor the humidity will be affected.
- 4.The intelligent Constant Temperature and Humidity controller adopts the advanced microcomputer technology, programmable control mode, many kinds of parameters can be set (including temperature, humidity, time), and either continuous working mode or timed working mode can be selected. It is with excellent control performance and anti-jamming ability.

Technical parameters:

Model	BJPX-HT150	BJPX-HT250	BJPX-HT350	BJPX-HT450
Capacity	150L	250L	350L	450L
Temp. range	4 ~ 60 ℃			
Temp. control	0.1 ℃			
Temp. stability/uniformity	±0.5 ℃ / ±2℃			
Humidity range	55 ~ 95%			
Ambient temp.	+5 ~ 35 ℃			
Consumption	500W	680W	860W	960W
Power supply	110/220V ± 10%, 50/60Hz			
Internal size (cm)	50*37*80	55*44.5*110	55*55*120	70*55*120
External size (cm)	66*62*146.5	65*69.5*175.2	68*76*186	83*76*186
Shelves no. (pcs)	3			4
Note	Observation window; optional RS485 connector			

Constant Temperature & Humidity Incubator

1. No freezing in inner chamber thanks to intelligent refrigeration and defrosting system.
2. Function of auto running, auto stopping and timing running
3. Watch timer and independent temperature safety device; auto alarm and auto break off when over temperature limit to ensure experiment runs safely
4. Function of self-diagnosis, sensor failure alarm and over temperature protection.



Optional accessories:

1. Printer
2. Supplementare oxygen, nitrogen interface
3. RS485 interface for communication software connection

Technical parameters:

Model	BJPX-HT70II	BJPX-HT150II	BJPX-HT250II
Temp. range	4 ~ 60 ℃		
Temp. control	0.1 ℃		
Temp. stability/uniformly	±0.5 ℃ / ±2℃		
Humidity range	55 ~ 95%		
Humidity stability	±3% ~ ±5% RH		
Consumption	500W	800W	
Ambient temp.	+5 ~ 35 ℃		
Power supply	110/220V ± 10%, 50/60Hz		
Internal size (cm)	42*35*50	50*40*75	50*50*95
External size (cm)	57*59*102	64.5*64*127	66*74*147
Shelves no.	2pcs		
Note	Observation window; optional RS485 connector		

Mould Incubator

- 1.Forced convention air path in the working room.
- 2.Digital display programmed controller for temperature and humidity. RH controlled automatically.
- 3.New digital display multi-phase program control system which is precise and reliable.
- 4.RS485 or RS485/USB optional for connection to computer for printing and data retrieve.
- 5.Double door, inner door is made of tempered glass for easy observation, magnetic door sealing of the outer door.

Optional accessories:

- 1.Printer
- 2.RS485 connector
- 3.BOD socket



Technical Parameters:

Model	BJPX-M150	BJPX-M250	BJPX-M350	BJPX-M450
Shelves no. (pcs)	3	3	3	4
Temp.control range	4-60℃			
Temp.fluctuation	±0.5℃			
Power supply	110/220V ± 10%, 50/60Hz			
Consumption	520W	680W	860W	960W
Internal size (cm)	50* 37* 80	55* 44.5* 110	55* 55* 120	70* 55* 120
External size (cm)	66* 62* 146.5	65* 69.5* 175.2	68* 76* 186	83* 76* 186

Mould Incubator

- 1.Stainless steel inner chamber; with the semicircular arcs at corners for easy cleaning, adjustable shelves
- 2.Micro-computer control system ensures precise and reliable temperature control; LCD displayed at a time; UV lamp.
- 3.Independent humidification, sterilization and temperature limit system with function of over-temperature alarm and auto-power-cut-off.
- 4.Test hole of ϕ 52mm at left side of container.
- 5.Double airtight door structure.

Optional accessory:

- 1.Printer
- 2.RS485 connector
- 3.Danfoss Compressor



Technical Parameters:

Mode	BJPX-M70II	BJPX-M150II	BJPX-M250II
Temp. control range	With Humidification: 10 ~ 65℃; Without Humidification: 0 ~ 65℃		
Temp. fluctuation	±1℃		
Consumption	500W	800W	1200W
Shelves no. (pcs)	2		
Power supply	110/220V ± 10%, 50/60Hz		
Internal size (cm)	42*35*50	50*40*75	50*50*95
External size(cm)	57*56*120	64*62*127	66*70*147

Climate Incubator

Features:

1. Temperature alarm system. When over limited temperature, it will cut off heating automatically.
2. Ambient temperature revising. Guarantee internal temperature and humidity will not affect inside.
3. Special airflow structure. Soft airflow velocity, guarantee the temperature uniformity and accuracy.
4. Five levels adjusting lighting. Simulate environment of day and night.

Optional accessories:

1. Printer
2. RS485 connector

Technical Parameters:

Model	BJPX-A250	BJPX-A350	BJPX-A450
Lighting type	3-side Illumination		
Capacity	250L	350L	450L
Temp. range	with lighting 10~65℃, without lighting 4~65℃		
Temp. control	0.1℃		
Temp. stability	±1℃	±2℃	
Temp. uniformity	±1℃	±2℃	
Humidity range	±50~90%RH (just for artificial climate incubator)		
Humidity stability	±5%~7%PH (just for artificial climate incubator)		
Lighting intensity	0~12000LX	0~20000LX	0~20000LX
Illumination control	Illuminance six levels, relative illumination control		
Ambient temp.	5~35℃		
Continues working time	No less than 180h		
Consumption	860W	1650W	2100W
Power supply	110/220V ±10%, 50/60HZ		
Internal size (cm)	58*51*83.5	55*55*120	70*55*120
External size (cm)	72*73.8*155	96*78*186	101*78*186
Shelves No. (pcs)	3	3	4
New function	30 steps program temperature controller, which can set different temperature with different ray radiation and temperature.(optional)		

Climate Incubator

Features:

1. Micro-computer temperate, humidity and luminance controller with multiple storable programs
2. Temperature safety device with over temperature optical and audible alarm to avoid damage of specimen under extreme climate.
3. SUS304 Mirror stainless steel inner chamber;
4. Unique anti-leakage design improves air-tightness of inner chamber.
5. Imported Danfos compressor & Original imported American humidity sensor, Big LCD digital controller.

Technical Parameters:

Model	BJPX-A250II	BJPX-A300II	BJPX-A400II	BJPX-L250II	BJPX-L300II	BJPX-L400II
Lighting type	3-side Illumination			4-side Illumination		
Volume	250L	300L	400L	250L	300L	400L
Temp. range	With lighting 10~65℃ , without lighting 4~65℃					
Temp. control	0.1℃					
Temp. stability	±1℃					
Shelves no. (Pcs)	2					
Temp. uniformity	±1.5℃		±2℃	±1.5℃		±2℃
Humidity range	50~90%RH (just for artificial climate incubator)					
Humidity stability	± 5%~7%PH (just for artificial climate incubator)					
Lighting intensity	0~12000LX	0~16000LX	0~22000LX	0~15000LX	0~20000LX	0~22000LX
Illumination control	I luminance six levels, relative illumination control					
Ambient temperature	5~35℃					
Continues working time	No less than 180h					
Power supply	110/220V ±10%,50/60HZ					
Consumption	1000W	1100W	1200W	1000W	1100W	1200W
Internal size (cm)	50*53*95	55*58*95	59*62*110	50*53*95	55*58*95	59*62*110
External size (cm)	69*70.5*165	74*75.5*165	78*79.5*180	69*70.5*165	74*75.5*165	78*79.5*180
New function	30 steps program temperature controller, which can set different temperature with different ray radiation and temperature.(optional)					

Biochemistry Incubator

Features:

1. Stainless steel inner chamber, round angle structure, adjustable shelves.
2. Microprocessor control system, LCD display.
3. CFC-free refrigeration and gentle breeze circulation.
4. Double-layer glass observation window.
5. Function of self-diagnosis, sensor fault alarm and over-temperature protection.

Optional accessories

1. Desk printer
2. RS485 interface for software connection
3. BOD sockets
4. 50mm test port



Technical parameters:

Model	BJPX-B70	BJPX-B100	BJPX-B150	BJPX-B250(Z)	BJPX-B350	BJPX-B450	BJPX-B150III
Capacity	70L	100L	150L	250L	350L	450L	150L
Temp. range	4-60 ℃						-8-60℃
Temp. fluctuation	± 0.5℃						
Temp. precision	0.1℃						
Shelves no. (pcs)	2		3			4	3
Time range	1-9999 mins						
Consumption	250W	350W	450W	700W	860W	960W	800W
Power supply	110/220V ± 10%,50/60HZ						
Cooling agent	R134a(environment protection type)						
Internal size(cm)	45*33*45	51*28.3*50.5	50*37*80	55*44.5*110	55*55*120	70*55*120	50*37*80
External size(cm)	56*53.5*79.8	61*58.5*93	66*62*146.5	65*69.5*175.2	68*76*186	83*76*186	60*62*146.5

Biochemistry Incubator

Features:

1. Stainless steel inner chamber; with the semicircular arcs at corners for easy cleaning, adjustable shelves
2. Micro-computer control system; LCD with functions of time setting, parameter memorizing and power reset recovering.
3. Fluoride-free refrigeration and gentle breeze circulation.
4. Test hole at left side of container.
5. Double door seal; tempered glass silicon rubber seal inner door and magnetic rubber seal outer door



Optional accessories:

1. Printer
2. RS485 connector
3. Supplementary oxygen, nitrogen interface

Technical parameters:

Model	BJPX-B70II	BJPX-B150II	BJPX-B250II
Capacity	70L	150L	250L
Temp. range	4~60℃		
Temp. fluctuation	± 0.5℃		
Temp. precision	0.1℃		
Shelves no. (pcs)	2		
Time range	1~9999 mins		
Consumption	500W	800W	1200W
Power supply	110/220V ± 10%, 50/60Hz		
Cooling agent	R134a(environment protection type)		
Internal size (cm)	42*35*50	50*40*75	50*50*95
External size (cm)	57*56*120	64*62*127	66*70*147

Platelet Incubator

Features:

1. Micro-controller controls the internal temperature within $22 \pm 2^{\circ}\text{C}$.
2. High accuracy sensor and direct air flow system ensure even temperature distribution.
3. Formed in place CFC free PUF insulation ensures temperature stability and reduced energy consumption.
4. Audio visual alarm for temperature deviation beyond $\pm 2^{\circ}\text{C}$ and power failure.
5. Motion failure alarm when the agitator fails to operate.
6. Automatic agitator and UV lamp stop when door is open.
7. LED display for easy of reading.
8. UV lamp for sterilization.



Technical Parameters:

Model	BJPX-P10	BJPX-P20
Temperature	$22 \pm 2^{\circ}\text{C}$	
Accuracy	$\pm 0.1^{\circ}\text{C}$	
Oscillation	$60 \pm 5\text{cycles/mins}$	
Amplitude	50mm	
Trays	5	10
Capacity	5~10 plasma bags	10~20 plasma bags
Temp. control	Micro Controller	Micro Controller
Display	LED	LED
Number of agitator	Single	Single
Power supply	110/220V $\pm 10\%$, 50/60HZ	
Consumption	101W	180W
Internal size (cm)	42.7*47*46.7	60.7*53.5*65.7
External size (cm)	54*60.5*96	72*67*115
Package size (cm)	62*66*105	80*72.5*124
Net weight (kg)	98	110

Anaerobic Incubator

Features:

1. Microchip intelligent temperature controller and overheating protection system.
2. UV disinfection light to avoid pollution.
3. Gas flow adjusted by pneumatics system.
4. Stainless steel operation room chamber. Thick and transparent shockproof glass window, operations with gloves.
5. Special vaccination stick sterilizer, cuvette rack and oxygen removing catalyst converter inside.

BJPX-G-II feature:

1. Big LCD screen controller.
2. Touch switch solenoid for gas path control.



BJPX-G-I



BJPX-G-II

Technical Parameters:

Model	BJPX-G-I	BJPX-G-II
Time for creating anaerobic state in sample chamber	<5min	
Time for creating anaerobic state in operation chamber	<1 hour	
Time for maintaining anaerobic circumstances	In the case of the operation room to stop additional trace gas mixture, >12 hours	
Range of temperature-control in incubation chamber	$\text{RT}+3^{\circ}\text{C} \sim 60^{\circ}\text{C}$	
Temperature fluctuation in incubation chamber	$\pm 0.3^{\circ}\text{C}$	
Temperature balance in incubation chamber	$\pm 0.1^{\circ}\text{C}$	
Power supply	110/220V $\pm 10\%$, 50/60Hz	
Internal size (cm)	25*19*29	25*19*29
External size (cm)	126*73*138	126*73*138
Package size (cm)	139*92*156	139*92*156
Net/ Gross weight (kg)	240/320	

Constant-Temperature Incubator

1. Intelligent temperature controller, based on microprocessor with PID parameters controlling function, and digital display make temperature accurate and reliable.
2. The two-layer door makes the temperature fluctuation small. The toughened-glass indoor is convenient to observe in-incubator conditions without affecting in-incubator temperature.
3. The working chamber use mirror stainless steel and the arc roundish, easy to clean.

Optional accessories: Printer



Technical Parameters:

Model	BJPX-H30	BJPX-H50	BJPX-H80	BJPX-H160	BJPX-H270
Capacity	30L	50L	80L	160L	270L
Temperature control	RT+5~65℃				
Temperature fluctuation	±0.5℃				
Time range	1~9999mins				
Consumption	200W	210W	280W	380W	570W
Power supply	110/220V±10%,50/60HZ				
Internal size(cm)	32*30*31.5	35*35*41	40*40*50	50*50*65	60*60*75
External size(cm)	61*47*47	50*52*71	57*58*82	66*68*95	85.5*83.5*118.5
Shelves no. (pcs)	2	2	2	3	3
Gross weight (kg)	45	55	70	90	105

Constant-Temperature Incubator

1. Stainless steel inner container; foursquare semicircle transition; flexible positioning and removable shelf for convenient cleaning.
2. Large LCD screen, multiple groups of data to be displayed at a time; function of timing and over-temperature protection.
3. Independent temperature safety device, which auto breaks off when over temperature limit to ensure experiment run safely.
4. Door with wide hollow tempered glass observation window, adjustable air-tight buckle lock and silicon rubber seal.



Optional accessories:

1. Printer
2. Optional long-distance control system
3. Multi-staged temperature controller
4. RS-485 interface for network connection

Technical Parameters:

Model	BJPX-H30II	BJPX-H48II	BJPX-H64II	BJPX-H123II	BJPX-H230II
Capacity	30L	45L	65L	125L	230L
Temp. control	RT+5~80℃				
Temp. fluctuation	±0.5℃				
Time range	1~9999mins				
Consumption	150W	250W	500W	600W	700W
Power supply	110/220V±10%,50/60HZ				
Internal size(cm)	31*31*31	35*35*35	40*36*45	50*45*55	60*50*75
External size(cm)	45*49*68.5	49*53*73	54*54*83	64*63*93.5	73*67*122
Gross weight(kg)	37	43	49	66	120

Lighting Incubator

Features:

1. Temperature alarm system. When over limited temperature, it will cut off heating automatically.
2. Ambient temperature revising. Guarantee internal temperature will not affect inside.
3. Special airflow structure. Soft airflow velocity, guarantee the temperature uniformity and accuracy.
4. Five levels adjusting lighting. Simulate environment of day and night.

Optional accessories:

1. Printer 2. RS485 connector



Technical Parameters:

Model	BJPX-L250	BJPX-L350	BJPX-L450
Lighting type	3-side Illumination		
volume	250L	350L	450L
Temp. range	with lighting 10~65℃ , without lighting 4~65℃		
Temp. control	0.1℃		
Temp. stability	±1℃	±2℃	
Temp. uniformity	±1℃	±2℃	
Lighting intensity	0~12000lx	0~20000lx	0~20000lx
Input power	860w	1650w	2100w
Illumination control	I luminance six levels, relative illumination control		
Electrical requirement	220V,50Hz/110V,60Hz		
Ambient Temp.	+5~35℃		
Continues working time	No less than 180h		
Internal size (cm)	58*51*83.5	55*55*120	70*55*120
External size (cm)	72*73.8*155	96*78*186	101*78*186
Shelves No. (PCS)	3	3	4
New function	30 steps program temperature controller, which can set different temperature with different ray radiation and temperature.(optional)		

Lighting Incubator

Features:

1. Micro-computer temperate and luminance controller with multiple storable programs
2. Temperature safety device with over temperature optical and audible alarm to avoid damage of specimen under extreme climate.
3. SUS304 Mirror stainless steel inner chamber;
4. Unique anti-leakage design improves air-tightness of inner chamber.
5. Imported Danfos compressor, Big LCD digital controller.



Technical Parameters:

Model	BJPX-L250I	BJPX-L300I	BJPX-L400I	BJPX-L250II	BJPX-L300II	BJPX-L400II
Lighting type	3-side Illumination			4-side Illumination		
volume	250L	300L	400L	250L	300L	400L
Temp. range	with lighting 10~65℃ , without lighting 4~65℃					
Temp. control	0.1℃					
Temp. stability	±1℃					
Temp. uniformity	±1.5℃		±2℃	±1.5℃		±2℃
Lighting intensity	0~12000lx	0~16000lx	0~22000lx	0~15000lx	0~20000lx	0~22000lx
Input power	1000W	1100W	1200W	1000W	1100W	1200W
Illumination control	I luminance six levels, relative illumination control					
Electrical requirement	220V,50Hz/110V,60Hz					
Ambient temperature	+5~35℃					
Continues working time	No less than 180h					
Internal size (cm)	50*53*95	55*58*95	59*62*110	50*53*95	55*58*95	59*62*110
External size (cm)	69*70.5*165	74*75.5*165	78*79.5*180	69*70.5*165	74*75.5*165	78*79.5*180
Shelves No. (PCS)	2					
New function	30 steps program temperature controller, which can set different temperature with different ray radiation and temperature.(optional)					

Shaking Incubator

Feature:

- 1.Integrated with incubator and shaker to save space and cost. Tempered glass window.
- 2.Mirror surface stainless steel chamber.
- 3.Big LCD/LED display to show temperature and shaking velocity.
- 4.working parameters storage function for easy operation.
- 5.Auto-renew after power interruption as originally programmed.
- 6.Auto stop when the door is opened for sample protection, strong air spring rod for easy opening and closing.



BJPX-S20



BJPX-S70/BJPX-S70I



BJPX-S48/BJPX-S48I

Technical Parameters:

Model	BJPX-S20	BJPX-S20I	BJPX-S20II	BJPX-S70/BJPX-S70I	BJPX-S48/BJPX-S48I
Capacity	150L	170L		300L	250L
Consumption	2700W	400W		600W	550W
Rotary Speed	20~300rpm				
Rotary Speed Precision	±1rpm				
Vibration Range	±26mm				
Temp Control Precision	±0.1℃				
Temp Stability	±0.1℃				
Timing Range	0~999hours				
Power Supply	110/220V±10%, 50/60Hz				
Shaker Capacity	500ml*9/250ml*12	500ml*28		500ml*24/250ml*39(down layer)	
Temp Control Range	RT + 5~50℃		5~50℃		
Display	LED display	LCD display			LED display
Internal Size(W*D*H)	58*60*115cm	120*65*68cm		96*73*116cm	
Package Size(W*D*H)	70*73*131cm	135*80*83cm		110*88*131cm	
Gross Weight	120kg	180kg	195kg	190kg	
Note	S70I&S48I series: two layers shaking, the up layer has stainless steel universal spring holder, 200 r / min.				

GM Series Diaphragm Vacuum Pump

GM series diaphragm vacuum pump are mainly used in medicinal products analysis, tenuously chemical engineering, biochemical pharmacy, food examination, investigating and solving criminal case, etc. It is an ideal product used with the high-accuracy chromatogram apparatus, HPLC solvent filter apparatus, and it is the essential equipment in the laboratory.



GM-0.20



GM-0.33A



GM-0.33B



GM-0.50A



GM-0.50B



GM-1.0A

Technical Parameters:

Model	GM-0.20	GM-0.33A	GM-0.33B	GM-0.50A	GM-0.50B	GM-1.0A
Speed of Evacuation(L/Min)	15	20	20	30	30	60
Ultimate Pressure (Mpa)	≥ 0.075	≥ 0.08	≥ 0.095	≥ 0.08	≥ 0.095	≥ 0.08
Vacuum(mbar)	250	200	50	200	50	200
Pressure(Psi)	Positive ≥ 30	/	/	Positive ≥ 30	/	Positive ≥ 30
Inlet (mm)	φ 6					
Outlet (mm)	φ 6	φ 6 Silencer	φ 6 Silencer	φ 6	φ 6 Silencer	φ 6
Working Temp (℃)	7 ~ 40					
Body Temp. (℃)	<55					
Noise Level (dB)	<50					
Motor Power (W)	75	160				
Pump Head	Nylon 1	1	2	1	2	
Function	Vacuum & Pressure	/	/	Vacuum & Pressure	/	Vacuum & Pressure
Power Supply	220V/50Hz	230V/50Hz				
Diaphragm & Valves	Rubber					
Size (L * D *H mm)	195*98*156	215*120*235	300*120*235	210*160*235	300*120*235	300*160*235
Packing Size(L * D *H mm)	300*220*200	300*320*200	380*340*230	300*320*200	380*340*230	380*340*230
N.W(Kg)	4	6.5	9.5	10		
G. W (Kg)	4.3	7.5	10.5			

Benchtop Constant-Temperature Drying Oven

Features:

- 1.External material: excellent cold-rolled steel with static coating.
- 2.Stainless steel inner chamber, round angle structure, adjustable shelves.
3. Intelligent controller with PID program, dual digital display, soft touch operational key, timing function and over-temperature protection.
4. Door with wide double-layer tempered glass observation window, adjustable air-tight buckle lock, and silicon rubber seal, which provide good seal ability and efficiently prevent heat loss.



Technical Parameters:

Model	BOV-T30C	BOV-T70C	BOV-T140C	BOV-T270C
Capacity	30L	70L	140L	270L
Temp. Range	50~200℃			
Temp. Fluctuation	±1℃			
Ambient Temp.	RT+5~40℃			
Timing Range	1~9999min			
Shelves No.	2pcs			
Consumption	350 W	1000 W	2000 W	3000 W
Power Supply	220V/50Hz			
Internal Size(W*D*H)mm	300*300*350	400*400*450	500*500*550	600*600*750
Package Size(W*D*H)mm	730*610*710	830*710*810	980*800*950	1070*900*1150
Net Weight(kg)	35	50	75	110
Gross Weight(kg)	55	80	110	150

Constant-Temperature Drying Oven

Features:

1. External material: excellent cold-rolled steel with static coating.
2. Stainless steel inner chamber.
3. PID micro-computer intelligent temperature controller, over-temperature protection; LED display.
4. Double-layer glass observation window, adjustable airtight buckle lock.
5. No blowing, natural convection heating circulation.



Optional:

1. LCD digital screen
2. Independent temperature controller

Technical Parameters:

Model	BOV-T30CII	BOV-T45C	BOV-V65C	BOV-V125C
Capacity	30L	45L	65L	125L
Temp. Range	RT+5 ~ 300℃			
Temp. Precision	0.1℃			
Temp. Fluctuation	±1℃			
Ambient Temp.	5~40℃			
Timing Range	1~9999min			
Consumption	800W	1000 W	1500 W	2500 W
Power Supply	220V/50Hz			
Internal Size(W*D*H)mm	310*310*310	350*350*350	400*360*450	500*450*550
External Size(W*D*H)mm	450*490*685	490*530*730	540*540*830	640*630*930
Gross Weight(kg)	40	45	54	72

Benchtop Forced Air Drying Oven

Features:

- 1.External material: excellent cool-rolled steel with electrostatic coating.
- 2.Stainless steel inner chamber, round angle structure, adjustable shelves.
- 3.Double-layer glass observation window, adjustable airtight buckle lock.
- 4.Over-temperature protection.
- 5.Optional RS-485 interface for software connection.



BOV-T25F/T50F/T105F/T200F



BOV-T25FII/T50FII/T109F/T213F



Technical Parameters:

Model	BOV-T25F	BOV-T50F	BOV-T105F	BOV-T200F
Capacity	25L	50L	105L	200L
Temp. range	RT+10~250℃			
Temp. precision	±0.1℃			
Temp. fluctuation	±0.5℃			
Ambient temp.	+5~40℃			
Timing range	1~9999min			
Shelves No.	2pcs			
Consumption	500 W	750 W	1500 W	2000 W
Power supply	220V/50Hz			
Internal size(W*D*H)mm	300*300*270	420*350*350	550*350*550	600*550*600
External size(W*D*H)mm	500*450*440	710*520*520	840*530*730	890*730*780

Technical Parameters:

Model	BOV-T25FII	BOV-T50FII	BOV-T109F	BOV-T213F
Capacity	25L	50L	109L	213L
Temp. range	50~200℃			
Temp. precision	±0.1℃			
Temp. fluctuation	±1℃			
Ambient temp.	+5~40℃			
Timing range	1~9999min			
Shelves No.	2pcs			
Consumption	650W	950W	1200W	1800W
Power supply	220V/50Hz			
Internal size(W*D*H)mm	300*300*280	420*370*350	550*360*550	600*550*645
External size(W*D*H)mm	580*500*450	710*560*530	830*610*720	880*780*820

Forced Air Drying Oven

Features:

1. Vertical type; Exterior material: excellent cool-rolled steel with electrostatic coating.
2. Stainless steel inner chamber.
3. PID micro-computer intelligent temperature controller, over-temperature protection.
4. Double-layer glass observation window, adjustable airtight buckle lock.

Note: Model BOV-V625F is top blowing.

Optional:

1. Large LCD with function of timing and over-temperature protection.
2. Independent temperature controller.
3. Optional RS-485 interface for software connection.



Technical Parameters:

Model	BOV-V30F	BOV-V45F	BOV-V65F	BOV-V125F	BOV-V230F	BOV-V625F
Capacity	30L	45L	65L	125L	230L	625L
Power supply	220V/50Hz					380v/50Hz
Temp. range	RT+5~300℃					
Temp. fluctuation	±0.1℃					
Temp. precision	0.1℃					
Ambient temp.	5~40℃					
Timing range	1~9999min					
Consumption	800W	1200W	1600W	2300W	3000W	5000W
Internal size(W*D*H)(mm)	310*310*310	350*350*350	400*360*450	500*450*550	600*500*750	660*760*1250
External size(W*D*H) (mm)	450*490*685	490*530*730	540*540*830	640*630*930	730*670*1220	890*880*1820
Packing size(W*D*H) (mm)	545*520*750	590*560*790	610*610*890	710*700*990	900*800*1300	1060*1080*1970
Load per shelf/shelf	15kg per shelf; 2pcs				25kg per shelf; 2pcs	25kg per shelf; 3pcs
Gross weight(kg)	37	43	49	66	120	160

Forced Air Drying Oven

Features:

1. External material: excellent cool-rolled steel, coating static.
2. Stainless steel inner chamber, round angle structure, adjustable shelves.
3. Double-layer glass observation window, adjustable airtight buckle lock.
4. Over-temperature protection.
5. Optional RS-485 interface for software connection.



Technical Parameters:

Model	BOV-V35F	BOV-V70F	BOV-V136F	BOV-V225F	BOV-V429F	BOV-V624F	BOV-V960F
Capacity	35L	70L	136L	225L	429L	642L	960L
Temp. range	RT+10~250℃ (RT+10~300℃ is optional) , except BOV-V35F						
Temp. precision	±0.1℃						
Temp. fluctuation	±0.5℃						
Ambient temp.	+5~40℃						
Timing range	1~9999min						
Shelves No.	2pcs				3pcs	4pcs	5pcs
Consumption	550 W	1050 W	1500 W	2100 W	4000 W	4500 W	6000 W
Power supply	220V/50Hz				380V/50Hz		
Internal size(W*D*H) mm	340*320*320	400*350*500	450*550*550	500*600*750	600*550*1300	800*600*1300	1000*600*1600
External size(W*D*H) mm	620*530*490	600*550*755	600*710*845	650*755*1045	745*750*1670	945*800*1690	1140*800*2150

Hot Air Sterilizer

Feature:

1. Exterior material: Cold-rolled steel with electrostatic coating.
2. Stainless steel inner chamber.
3. PID micro-computer intelligent temperature controller, over-temperature protection; LED display.
4. Double-layer glass observation window, adjustable airtight buckle lock.
5. Differences with drying oven:
Fan inside, no air circulation, fully sealed inside, temperature rise is very fast.



HAS-230F/HAS-230FE

Additional features for FE series:

1. Adjustable speed fan
2. Large LCD display screen shows the multiple data; has timing function and over temperature protection.
3. Independent temperature controller; Auto alarm for heating stop.
4. Optional RS-485 interface for software connection.

Note: model HAS-230FE has no function of speed adjustment.

Technical Parameters:

Model	HAS-30F	HAS-45F	HAS-65F	HAS-125F	HAS-230F
	HAS-30FE	HAS-45FE	HAS-65FE	HAS-125FE	HAS-230FE
Capacity	30L	45L	65L	125L	230L
Temp. Range	RT+5~300℃				
Temp. Precision	0.1℃				
Temp. Fluctuation	±1℃				
Ambient Temp.	5~40℃				
Timing Range	1~9999min				
Load per shelf/shelf	15 kg per shelf; 2 pcs				
Consumption	800 W	1000W	1600 W	1200w	3000W
Power Supply	220V/50Hz				
Internal Size(W*D*H)mm	310*310*310	350*350*350	400*360*450	500*450*550	500*450*550
External Size(W*D*H)mm	400*510*695	500*550*735	550*550*840	636*680*915	636*680*915
Package Size(W*D*H)mm	610*540*830	660*590*870	670*640*970	760*750*1070	900*800*1350
Gross Weight(kg)	52	55	61	73	115

Benchtop Hot Air Sterilizer

Features:

1. High precision microcomputer temperature controller; Stainless steel inner chamber;
2. Time of desiccation and sterilization is obviously shortened, forced-air convection, direct passing of dry and hot air through heated object.
3. Over-temperature protection.
4. Adjustable air outlet, timing control.
5. Differences with drying oven:
Fan inside, no air circulation, fully sealed inside, temperature rise is very fast.



Technical Parameters:

Model	HAS-T25	HAS-T50	HAS-T70	HAS-T105	HAS-T200
Capacity	25L	50L	70L	105L	200L
Temp. Range	RT+10~250℃				
Temp. Precision	0.1℃				
Temp. Fluctuation	±0.5℃				
Ambient Temp.	5~40℃				
Timing Range	1~9999min				
Load per shelf/shelf	15 kg per shelf; 2 pcs				
Consumption	600 W	900W	1150 W	1600W	3000W
Power Supply	220V/50Hz				
Internal Size(W*D*H)mm	300*300*270	420*350*350	400*350*500	500*350*550	600*550*600
External Size(W*D*H)mm	500*450*440	710*520*520	600*550*755	840*530*730	890*730*780

Drying Oven/Incubator(Dual-use)

Feature:

1. Exterior material: Cold-rolled steel with electrostatic coating.
2. Stainless steel inner chamber.
3. PID micro-computer intelligent temperature controller, over-temperature protection; LED display.
4. Double-layer glass observation window, adjustable airtight buckle lock.



BOV-D230/BOV-D230E

Additional features for E series:

1. Adjustable speed fan
2. Large LCD display screen shows the multiple data; has timing function and over temperature protection.
3. Independent temperature controller; Auto alarm for heating stop.
4. Optional RS-485 interface for software connection.

Technical Parameters:

Model	BOV-D30CII	BOV-D45	BOV-D65	BOV-D125	BOV-D230
	BOV-D30E	BOV-D45E	BOV-D65E	BOV-D125E	BOV-D230E
Capacity	30L	45L	65L	125L	230L
Temp. Range	Incubator: RT+5 ~ 80℃ ; Drying Oven: 80-250℃				
Temp. Precision	Incubator: ±0.5℃ ; Drying Oven: ±1℃				
Temp. Fluctuation	±0.1℃				
Ambient Temp.	5~35℃				
Consumption as Drying Oven	800W	1200 W	1600 W	2300 W	3000 W
Consumption as Incubator	300 W	300 W	400 W	600 W	700 W
Power Supply	220V/50Hz				
Internal Size(W*D*H)mm	310*310*310	350*350*350	400*360*450	500*450*550	600*500*750
External Size(W*D*H)mm	450*490*685	490*530*735	540*540*830	640*630*930	730*670*1220
Gross Weight(kg)	51	56	60	71	115

Drying Oven/Incubator(Dual-use)

Features:

1. Microprocessor temperature control, digital display.
2. External material: excellent cool-rolled steel with static coating.
3. Stainless steel inner chamber, round angle structure, adjustable shelves.
4. Double-layer glass observation window
5. Over-temperature protection.



Technical Parameters:

Model	BOV-D30	BOV-D50	BOV-D70	BOV-D140	BOV-D240
Capacity	30L	50L	70L	140L	240L
Temp. Range	Incubator: RT+5 ~ 80℃ ; Drying Oven: 80-200℃				
Temp. Precision	0.1℃				
Temp. Fluctuation	±0.5℃				
Ambient Temp.	+5~35℃				
Timing Range	1~9999min				
Shelves No.	2pcs				
Consumption	550W	850W	1100W	1150W	2050W
Power Supply	220V/50Hz				
Internal Size(W*D*H)mm	300*300*270	420*350*500	400*350*500	400*550*550	500*600*750
External Size(W*D*H)mm	500*450*440	700*590*520	600*550*750	600*710*845	650*755*1045

Vacuum Drying Oven

Features:

1. Exterior material: Cold-rolled steel with electrostatic coating.
2. Stainless steel inner chamber.
3. PID micro-computer intelligent temperature controller, over-temperature protection; LED display.
4. Double-layer glass observation window.
5. Optional air inflating port for gas replenishing.



Technical Parameters:

Model	BOV-T20V	BOV-T50V	BOV-F90V
Capacity	20L	50L	90L
Temp. Range	RT+10 ~ 250℃		
Temp. Precision	0.1℃		
Temp. Fluctuation	±1℃		
Vacuum Degree	<133pa		
Consumption	800W	1400W	2000W
Power Supply	220V/50Hz		
Internal Size(W*D*H)mm	300*300*270	415*370*340	450*450*450
External Size(W*D*H)mm	480*480*605	560*540*680	640*590*780
Gross Weight(kg)	52	92	105

Vacuum Drying Oven

Features:

1. Integrated design of vacuum oven with pump.
2. Auto-pumping can be achieved by setting vacuum degree as needs.
3. Duct with air filter inside to ensure long service life of vacuum pump.
4. Digital display vacuum degree, pointer meter.



Technical Parameters:

Model	BOV-F50VE	BOV-F90E
Capacity	50L	90L
Temp. Range	RT+10 ~ 250℃	
Temp. Precision	0.1℃	
Temp. Fluctuation	±1℃	
Vacuum Degree	<133pa	
Consumption	1400W	2000W
Power Supply	220V/50Hz	
Internal Size(W*D*H)mm	415*370*340	450*450*450
External Size(W*D*H)mm	560*540*1330	610*610*1350
Gross Weight(kg)	115	117

Vacuum Drying Oven



BOV-90V/BOV-90VA



BOV-50V/BOV-25V/
BOV-50VII/BOV-25VII

Features:

1. Stainless steel inner chamber
2. Microcomputer temperature control, high precision, digital display.
3. Double-layer tempered glass observation window. Can fill inert gas in the chamber.
4. Shortest heating time, reducing over 50% than the traditional vacuum oven.

Technical Parameters:

Model	BOV-25V	BOV-50V	BOV-90V	BOV-90VA
Capacity	25L	50L	90L	90L
Temp. Range	RT+10 ~ 250℃			
Display	LED (LCD is optional)			
Temp. Precision	0.1℃			
Vacuum Degree	<133pa(BOV-90VA, automatic vacuum)			
Ambient Temp.	+5~40℃			
Chamber Material	Stainless steel			
Timing Range	1~9999min			
Shelves No.	1pc	2pcs		
Consumption	500W	1400W	1400W	1400W
Power Supply	220V/50Hz			
Internal Size(W*D*H)mm	300*300*275	415*370*345	450*450*450	450*450*450
External Size(W*D*H)mm	580*450*450	720*525*535	615*590*1470	615*590*1470

Technical Parameters:

Model	BOV-25VII	BOV-50VII
Capacity	25L	50L
Temp. Range	RT+10 ~ 200℃	
Display	LED (LCD is optional)	
Temp. Precision	0.1℃	
Temp. Fluctuation	0.5℃	
Vacuum Degree	<133pa	
Ambient Temp.	+5~40℃	
Chamber Material	Cold-rolled steel sheet	
Timing Range	1~9999min	
Shelves No.	1pc	2pcs
Consumption	500W	1400W
Power Supply	220V/50Hz	
Internal Size(W*D*H)mm	300*300*275	415*370*345
External Size(W*D*H)mm	580*450*450	720*525*535

High Temperature Drying Oven



1. Internal material is mirror stainless steel.
2. There is a test hole of diameter 50mm on the left side of the cabinet.
3. Optional independent temperature controller.
4. Optional RS485 interface for software connection

Technical Parameters:

Model	BOV-H50F	BOV-H90F	BOV-H125F	BOV-H216F
Capacity	50L	90L	125L	216L
Temp. Range	100~400℃			
Temp. Precision	0.1℃			
Temp. Fluctuation	0.5℃			
Ambient Temp.	+5~40℃			
Timing Range	1~9999min			
Shelves No.	2pcs			
Consumption	2500W	3000W	3300W	3500W
Power Supply	220V/50Hz			
Internal Size(W*D*H)mm	350*350*400	450*450*450	450*500*500	600*600*600
External Size(W*D*H)mm	540*660*615	620*745*645	620*800*700	650*750*750

Large Forced Air Drying Oven



Features:

1. Exterior material: Cold-rolled steel with electrostatic coating; stainless steel inner chamber.
2. PID micro-computer intelligent temperature controller, over-temperature protection; digital display.
3. Convenient double door construction.

Technical Parameters:

Model	Internal Size(mm)	Voltage(V)	Temp. Range(℃)	Temp. Precision(℃)	Power(KW)	Blast Power(W)
BOV-L640F	800*800*1000	380	50 ~ 250	±1℃	12	750
BOV-L1500F	1000*1000*1500				12	750
BOV-L3070F	1600*1200*1600				24	750

SCSJ-I Water Purifier (RO/DI water)

Features:

- CE Standard
- 6 Filtration system
- Automatic RO membrane flush
- Filtration Velocity: 15L/H



Technical parameters:

Model	SCSJ-I	
Process flow	PF+AC+RO+DI	
Water supply	Tap water: TDS<200ppm, 5-45°C, 1.0 ~ 3.5Kg/cm2	
Purification system	Pre-treatment	10" PP filter*1+10" Activated carbon × 2
	RO reverse osmosis	100GPD RO membrane × 1
	Post position purification	Deion purification column × 2
Purification index	● Soluble organic matter: Rejection rate>99% (molecular weight>100) ● Particle: Rejection rate>99% ● Microbe: Rejection rate>99% ● Salt rejection rate: near 100% ● TDS (total solids solubility): RO water:5-10 ppm ; ● Resistivity: 7.0-10.0 MΩ·cm; ● Conductivity: 0.143-0.100 μs/cm; ● PM (particulate matter) (>0.22 μm): <1/ml; ● Microbe/Germ: <1 CFU/ml	
Output(25°C)	15L/H	
Water outlet (hand switch)	2: RO water; DI water	
Water quality monitoring	TDS (total solids solubility)/water quality testing pen	
External size (W*D*H)	394*390*502mm	
Weight	12-20kg	

SCSJ-II/SCSJ-III Water Purifier (RO/DI water)



Technical parameters:

Model	SCSJ-II	SCSJ-III
Flow procedure	PF+AC+RO+DI	PF+AC+RO+DI
Application	● Buffer disposing ● Physical and chemical analysis ● Fine chemistry industry ● GC/HPLC ● Inlet water for Ultra pure water machine ● Aseptic drinking water	
Feed water requirement	Tap water: TDS<200ppm,5-45°C,1.0-4.0Kg/cm2 (if inlet TDS>200ppm,extra pretreatment is recommended)	
Purification system	Pretreatment unit	Special spun fiber filter × 1+Special active carbon block filter × 1+Special active carbon block filter × 1
	RO unit	100GPD RO membrane × 1
	Subsequent unit	Mixed bed resin cartridge × 2
Pure water quality	Desalination rate%	Nearly 100*
	TDS	RO water:5-10 ppm*
	Resistivity	15-18.2MΩ·cm
	Conductivity	0.067-0.055 μs/cm
Output(25°C)	15 liters/hour*	30 liters/hour*
Flow rate	2 Liters/min(with pressure tank)	
Pure water outlet	RO water, deionized water	
Control system	Automatic electronic pressure sensor controlling, RO membrane auto flushing, automatic stop without water, automatic stop when water tank full, automatic cutting off water when pump stopping, guaranteeing 24 hours' work.	
Water quality monitor	TDS test pen +on-line resistivity monitor	
Power supply	AC110-220V,50/60Hz, 48W plus model:72W	
Dimension and weight	W*D*H: 22*41*42cm/12-14kg	
Standard configuration	Main body(including:1 set cartridge)+4.0 gallon water tank+TDS pen+accessory box	

SCSJ-IV/SCSJ-V Water Purifier (RO/DI water)



Technical parameters:

Model	SCSJ-IV	SCSJ-V
Flow procedure	PF+AC+RO+AC+DI+TF	
Application	● ware washing ● Agricultural expe ● General biological expe ● Aquatic products feeding ● Inlet water for Ultra pure water machine ● Inlet water for sterilizer/T&H chamber ● Buffer disposing ● Aseptic drinking water ● Physical and chemical analysis ● Fine chemistry industry ● Inlet water for Ultra pure water machine ● GC/HPLC ● Pharmacy research ● Medicine examining	
Feed water requirements	Tap water: TDS<200ppm, 5~45° C, 1.0~4.0Kgf/cm ² (if inlet TDS>200ppm, extra pretreatment is recommended)	
Purification system	Pretreatment unit	20" spun fiber filter × 1 + 20" granular active carbon filter × 1 + 20" active carbon block filter × 1
	RO unit	400 GPD RO membrane × 1 400 GPD RO membrane × 2
	Subsequent unit	10" granular active carbon filter × 1 + 12L mixed bed resin cartridge × 1 + 0.2 μm terminal filter × 1
Deionized water quality	Resistivity	>10MΩ.cm
	Conductivity	<0.1 μs/cm
	Heavy metal	<0.1ppb
	Particle(>0.22 μm)	<1 CFU/ml
	Bacteria	<1/ml

Technical parameters:

RO water quality	TDS(Total dissolved solid) of RO water(ppm)<TDS of inlet water × 5%	
Output(25° C)	63 liters/hour*	125 liters/hour*
Pure water outlet	2:RO water, deionized water	
Features and functions	● Super-large LCD display, display the system running state and various parameters intuitively. ● Automatic microcomputer controlling system, multi-menu operating, animation mode display. ● Fault is detected automatically, automatic diagnosis. ● Water quality over standard alarm, no water alarm, consumables end alarm function. ● Consumables residual life shows, inform the user to replace consumables timely. ● 3-way on-line sensor, detecting the quality of feed water, RO water and DI water's quality timely. ● Unique design of consumables, easy for replacement. ● High-strength stainless steel shell, beautiful appearance. ● Pipeline with NSF authorization to assure high quality ultrapure water ● New easy-inserting adaptor to make convenience of cartridge maintaining and replacing. ● Different tanks to meet every needs and assure ample water-supply. ● RO membrane, manufactured by DOW or CSM, to assure RO membrane's long time and high quality of pure water. ● Ultra pure polishing resin cartridge with DOW's polishing resin, to assure the top-level water quality of ultrapure water. ● 0.2 μm PES terminal filter, to assure the quality absolutely axenic.	
	Power supply	AC110~220V, 50/60Hz, 120W AC110~220V, 50/60Hz, 240W
	Dimension and weight	L*W*H: 65*47*110cm/70kg
	Standard configuration	Main body(including:1 set cartridge)+11gallon tank+ accessory box

Ultra-pure grade Water purifier



Technical parameters:

Model	SCSJ-VI	SCSJ-VII	SCSJ-VIII	SCSJ-IX
Capacity	30L	80L	120L	200L
Ultra pure water				
Output water quality	$\geq 15\text{M}\Omega\cdot\text{cm}$ (25°C Ambient)			
TOC(RO water)	1~10 ppb			
Bacteria	< 1 CFU/ml			
PH	7			
Index				
Dimension (W*L*H)	450*250*650mm	420*360*920mm	500*400*1150mm	700*600*1600mm
Weight	20 Kg	40 Kg	50 Kg	70 Kg
LCD Display	Power Process indication State indication			
Self-Safety	Power-off protection			
	Auto water-level control			
	Low Input Pressure protection			
	Auto restart	Visual/audio alarm	Visual/audio alarm	Visual/audio alarm

High quality Accessories



Electric-heating Water Distiller



Performance and characteristic:

- 1.All of products are made from stainless steel.
- 2.Condenser is made of seamless stainless-steel pipes and so with very good cooling effects & great capacity of water produce.
- 3.The cooled water returning to the vaporizing drum can save energy and water.
- 4.Drain valve can push the water in container, prevent bilge.
- 5.Immergence electric heating tube made from copper, heat efficiency is better.

Technical parameters:

Model	Power supply	Consumption	Water discharge	Package size(W*D*H)
WD-5	220V/50Hz	4.5kw	≥ 5L/h	350*260*780mm
WD-10	380V/50Hz	7.5kw	≥ 10L/h	420*300*900mm
WD-20	380V/50Hz	15kw	≥ 20L/h	510*360*800mm

Automatical Electric-heating Water Distiller



Performance and characteristic:

When lack water, will automatically stop heating, when the return water reach the normal level, then continue heating.
Other parameters are the same as WD series.

Technical parameters:

Model	Power supply	Consumption	Water discharge	Package size(W*D*H)
WD-A5	220V/50Hz	4.5kw	≥ 5L/h	350*340*780mm
WD-A10	380V/50Hz	7.5kw	≥ 10L/h	420*380*900mm
WD-A20	380V/50Hz	15kw	≥ 20L/h	510*360*800mm

Re-distilled Tower Steam Water Distiller

Performance and characteristic:

- 1.Fully stainless steel structure.
- 2.Low-level water cut-off, automatic water supply system.
- 3.Immersion heater ensures a high effective thermal.
- 4.Condensed water and high temperature steam are used to save source..
- 5.Seamless condenser pipes, good cooling effects and great water output.
- 6.Percolation, pushing ammonia, dividing water and steam during.



Technical parameters:

Model	Water discharge	Pressure of steam supply	Cooling water pressure	Steam consumption	Ratio of water consumption	Package size(W*D*H)
WD-T50	≥ 50L/h	0.4MPa	0.2MPa	≈ 1:1	≤ 1:1.14	710*670*1450mm
WD-T100	≥ 100L/h	0.4MPa	0.2MPa	≈ 1:1	≤ 1:1.14	770*730*1650mm
WD-T200	≥ 200L/h	0.4MPa	0.2MPa	≈ 1:1	≤ 1:1.14	930*870*1400mm
WD-T400	≥ 400L/h	0.4MPa	0.2MPa	≈ 1:1	≤ 1:1.14	1130*1030*1650mm
WD-T600	≥ 600L/h	0.4MPa	0.2MPa	≈ 1:1	≤ 1:1.14	

Automatic Electric Double-distilled Water Distiller



Performance and characteristic:

Machine made of high quality stainless steel. Twin towers, reasonable structure. Condensing coil structure, the cooling effect is good, large volume of water. Dry automatic cut off the heating power, water to be added back to arrive at the job level and continue heating. Initial steaming and re-distilled water control were set. Copper immersion electric heating pipe, high efficiency, long service life.

Technical Parameters:

Model	Water discharge	Power supply	Consumption	Package size(W*D*H)
WD-AD5	≥ 5 L/h	380 V/50Hz	10 kw	420*720*860mm
WD-AD10	≥ 10 L/h	380 V/50Hz	17 kw	480*750*1000mm
WD-AD20	≥ 20L/h	380 V/50Hz	32 kw	560*870*1200mm

Quartz Sub-Boiling High-purified Water Distiller



Specifications:

- 1.Quartz & S.steel, hi-power, large capacity
- 2.High temperature resistant
- 2.Good corrosion resistant
- 3.Good light transmittance
- 4.Thermal radiation heating

The Quartz sub-boiling high-purified water distiller increases water level controls. When the water level of distilling flask is lower to a certain extent, it can cut off power automatically to avoid distiller burning, so as to longer service life. It is steady in quality, setting and using, which are popular with users. It is made of 99.98% quartz tube. This type of quartz glass instrument utilizes quartz glass characteristic: such as high purity steady chemical properties well corrosion-resisting (can resist all mineral acids and organic acids except hydrofluoric acid and phosphoric acid with the temperature of above 300).

Technical Parameters:

Model	Type	Technical data	Package size(W*D*H)
WD-QA	Quartz sub-boiling high-purified distiller	Water yield: 400-500ml/h Heating power: 1000W, 220V/50Hz	Dimension: 68*42*68CM Weight: 14KG
WD-QB	Quartz sub-boiling high-purified distiller	Water yield: 800-1000ml/h Heating power: 2000W, 220V/50Hz	Dimension: 73*42*73CM Weight: 16KG
WD-QC	Quartz water distiller	Water yield: 2000ml/h Distillation mode: single distillation Heating power: 1800W, 220V/50Hz	Dimension: 68*42*68CM Weight: 14KG
WD-QD	Quartz water distiller	Water yield: 1500ml/h Distillation mode: Double distillation Heating power: 1800Wx2, 220V/50Hz	Dimension: 73*56*73CM Weight: 16KG

Spectrophotometer

Basic Functions:

Model	Optical System	Wavelength Range	Bandwidth	Photo-metry	Qty	Mult	Kins	Scanning	Bio
BK-V1000	Single Beam	325-1020nm	4nm	●					
BK-UV1000	Single Beam	200-1020nm	4nm	●					
BK-V1200	Single Beam	325-1020nm	4nm	●	●				
BK-UV1200	Single Beam	200-1020nm	4nm	●	●				
BK-V1600	Single Beam	320-1100nm	4nm	●	●	●	●		
BK-UV1600	Single Beam	190-1100nm	4nm	●	●	●	●		
BK-V1800	Single Beam	320-1100nm	2nm	●	●	●	●		
BK-UV1800	Single Beam	190-1100nm	2nm	●	●	●	●		
BK-V1900	Single Beam	190-1100nm	2nm	●	●	●	●	●	●
BK-UV1900	Single Beam	190-1100nm	2nm	●	●	●	●	●	●
BK-S360	Single Beam	190-1100nm	1.8nm	●	●	●	●	●	●
BK-S380	Single Beam	190-1100nm	1nm	●	●	●	●	●	●
BK-S390	Single Beam	190-1100nm	0.5,1,2,4,5nm	●	●	●	●	●	●
BK-D560	Double Beam	190-1100nm	1.8nm	●	●	●	●	●	●
BK-D580	Double Beam	190-1100nm	1nm	●	●	●	●	●	●
BK-D590	Double Beam	190-1100nm	0.5,1,2,4,5nm	●	●	●	●	●	●

			
Single cell holder	General cell holder	5-100mm cuvette	100-500ul micro cuvette
			
Test tube holder	Solid sample holder	Deuterium lamp	Halogen lamp
			
100mm Cell holder	Printer	Water-jacketed cell holder	Reflection accessory 5°
			
Auto 8-cell changer	Micro cell holder	Water-jacketed cell holder	Constant-temperature system

UV/Vis Spectrophotometer



Features:

- Large LCD screen (128*64 Dots) with saving standard curve function
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully
- Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics
- Widely used for Organic chemistry, Inorganic chemistry, Life sciences, foods, Medicine and health, Agriculture, Geology, Metallurgy and Environment etc. fields

Basic Functions:

1. **Photometry** Test Abs., Transmittance by fixed wavelength
2. **Quantitative**
 - a. C Mode: Establish C=K*A curve, test sample concentration
 - b. F Mode: Establish A=K1*C+K0, test sample concentration
 - c. Display and save curve, test data (V-1200).

Photometry Mode

WL: 546.			
T: 100.			
A	T	C	F

Con. Test C=K*A+B

WL: 546.0			
C: 10C			
A	T	C	

Technical Parameters:

Model	BK-UV1000	BK-V1000	BK-UV1200	BK-V1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200-1020nm	325-1000nm	200-1020nm	320-1020nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	± 1.8nm (2nm)		± 1.5nm (2nm)	
Wavelength Repeatability	≤ 0.2nm (11D: 1nm; V12, UV12: 0.8nm; UV-11: 1nm)			
Photometric Accuracy	± 0.002A (0-0.5Abs), ± 0.004A (0.5-1.0Abs), ± 0.4% T (0-100% T) (0.004A, 0.5)			
Photometric Repeatability	0.001Abs (0-0.5Abs), 0.002Abs (0.5-1.0Abs), ≤ 0.2% T (0-100% T)			
Stray Light	≤ 0.1 % T @ 360nm; 220nm(0.2)		≤ 0.05% T @ 360nm (0.2)	
Stability	± 0.001A / h @ 500nm (11D: 0.004, V12, UV12, UV11: 0.002)			
Noise	± 0.001A			
Display	128*64 Dots LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0-200%T, -0.301-3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	Parallel Print,USB1.0			
Compartment	Solid Sample Holder, Micro Cell Holder, 10-100mm Cell Holder			

UV/Vis Spectrophotometer

Features:

- Large LCD screen(480*272 Dots) with 65 thousand true color and support U disk data saving
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Data output: Data can be exported to U disk (USB Output)
- Print port: Instrument can connect PCL printer for printing A4 paper (USB Port)
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- With GLP self-check function, check the wavelength accuracy and Photometry accuracy, can provide test report and power-off protection
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully
- Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test



Basic Functions:

- 1, Photometry** Test Abs., Transmittance and Energy by fixed wavelength
- 2, Quantitative** Linear fit and Linear fit through zero two modes
 - a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve
 - b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings
 - c. Can save 240 group curves, can test 240 data in each curve
 - d. Double wavelength, Triple wavelength test functions
- 3, Kinetics** Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- 4, Multi-Wavelength** Can test Transmittance and Abs. with 8 different wavelengths at most

Technical Parameters:

Model	BK-UV1800 BK-UV1800PC	BK-UV1600 BK-UV1600PC	BK-V1800 BK-V1800PC	BK-V1600 BK-V1600PC
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190~1100nm		320~1100nm	
Spectral Bandwidth	1.8nm (2nm)	4nm	1.8nm(2nm)	4nm
Wavelength Accuracy	± 0.5nm			
Wavelength Repeatability	≤ 0.2nm(0.3)			
Photometric Accuracy	± 0.002A (0~0.5Abs), ± 0.004A (0.5~1.0Abs), ± 0.5% T (0~100% T)(0.5, 0.004)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤ 0.2% T (0~100% T)			
Stray Light	≤ 0.04% T @ 360nm; 220nm (0.05)		≤ 0.04% T @ 360nm (0.05)	
Stability	± 0.001A / h @ 500nm			
Baseline Flatness	± 0.002A			
Noise	± 0.0005A			
Display	480 * 272 65 thousand true color TFT LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200% T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	USB2.0*2 Print and data output USB1.0 Connect PC			
Compartment	Optional 8 Auto Cell holder, Solid Sample Holder, Micro Cell Holder, 10~100mm Cell Holder			

Scanning UV/Vis Spectrophotometer

Features:

- Large LCD screen(480*272 Dots) with 65 thousand true color and support U disk data saving
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Data output: Data can be exported to U disk (USB Output)
- Print port: Instrument can connect PCL printer for printing A4 paper (USB Port)
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- With GLP self-check function, check the wavelength accuracy and Photometry accuracy, can provide test report and power-off protection
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully



Basic Functions:

- 1, Photometry** Test Abs., Transmittance and Energy by fixed wavelength
- 2, Quantitative** Linear fit and Linear fit through zero two modes
 - a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve
 - b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings
 - c. Can save 240 group curves, can test 240 data in each curve
 - d. Double wavelength, Triple wavelength test functions
- 3, Kinetics** Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- 4, Multi-Wavelength** Can test Transmittance and Abs. with 8 different wavelengths at most
- 5, Scanning** User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- 6, Biology** 6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret

Technical Parameters:

Model	BK-UV1900 BK-UV1900PC	BK-V1900 BK-V1900PC
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190~1100nm	
Spectral Bandwidth	2nm	1nm
Wavelength Accuracy	± 0.5nm	
Wavelength Repeatability	≤ 0.2nm(0.3)	
Photometric Accuracy	± 0.002A (0~0.5Abs), ± 0.004A (0.5~1.0Abs), ± 0.5% T (0~100% T)(0.5, 0.004)	
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤ 0.2% T (0~100% T)	
Stray Light	≤ 0.04% T @ 360nm; 220nm (0.05)	
Stability	± 0.001A / h @ 500nm (0.0008)	
Baseline Flatness	± 0.002A	
Noise	0.0005Abs@ 500nm	
Display	480 * 272 65 thousand true color TFT LCD	
Photometric Mode	T, A, C, E	
Photometric Range	0~200% T, -0.301~3.0A	
Detector	Silicon Photodiode	
Light Source	Deuterium Lamp, Tungsten Lamp	
Input	Membrane Keypad	
Output	USB2.0*2 Print and data output USB1.0 Connect PC	
Compartment	Optional 8 Auto Cell holder, Solid Sample Holder, Micro Cell Holder, 10~100mm Cell Holder	

Scanning UV/Vis Spectrophotometer

Features:

- Large LCD screen(480*800) with 65 thousand true color and support U disk data saving
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Data output: Data can be exported to U disk (USB Output)
- Print port: Instrument can connect PCL printer for printing A4 paper (USB Port)
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- With GLP self-check function, check the wavelength accuracy and Photometry accuracy, can provide test report and power-off protection
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully



Basic Functions:

- 1, Photometry** Test Abs., Transmittance and Energy by fixed wavelength
- 2, Quantitative** Linear fit and Linear fit through zero two modes
 - a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve
 - b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings
 - c. Can save 240 group curves, can test 240 data in each curve
 - d. Double wavelength, Triple wavelength test functions
- 3, Kinetics** Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- 4, Multi-Wavelength** Can test Transmittance and Abs. with 8 different wavelengths at most
- 5, Scanning** User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- 6, Biology** DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret)

Technical Parameters:

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	± 0.3nm		
Wavelength Repeatability	≤ 0.2nm		
Photometric Accuracy	± 0.002A (0~0.5Abs), ± 0.004A (0.5~1.0Abs), ± 0.3% T (0~100% T) (0.3, 0.003)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤ 0.1% T (0~100% T)		
Stray Light	≤ 0.04% T @ 360nm; 220nm (0.05)		
Stability	± 0.001A / h @ 500nm (0.0008)		
Baseline Flatness	± 0.0015A		
Noise	± 0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB2.0*2 Print and data output USB1.0 Connect PC		
Compartment	Optional 8 Auto Cell holder, Solid Sample Holder, Micro Cell Holder, 10~100mm Cell Holder		

Double Beam Scanning UV/Vis Spectrophotometer

Features:

- Large LCD screen(480*800) with 65 thousand true color and support U disk data saving
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Data output: Data can be exported to U disk (USB Output)
- Print port: Instrument can connect PCL printer for printing A4 paper (USB Port)
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- With GLP self-check function, check the wavelength accuracy and Photometry accuracy, can provide test report and power-off protection
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully



Basic Functions:

- 1, Photometry** Test Abs., Transmittance and Energy by fixed wavelength
- 2, Quantitative** Linear fit and Linear fit through zero two modes
 - a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve
 - b. Establish $A=K1 \cdot C+K0$, can search original data, graph curve, parameters settings
 - c. Can save 240 group curves, can test 240 data in each curve
 - d. Double wavelength, Triple wavelength test functions.
- 3, Kinetics** Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data
- 4, Multi-Wavelength** Can test Transmittance and Abs. with 8 different wavelengths at most
- 5, Scanning** User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- 6, Biology** 6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret

Technical Parameters:

Model	BK-D560	BK-D580	BK-D590
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Wavelength Range	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	± 0.3nm		
Wavelength Repeatability	≤ 0.2nm		
Photometric Accuracy	± 0.002A (0~0.5Abs), ± 0.004A (0.5~1.0Abs), ± 0.3% T (0~100% T) (0.3, 0.003)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤ 0.2% T (0~100% T)		
Stray Light	≤ 0.03 T @ 360nm; 220nm(0.04)		
Stability	± 0.0003A / h @ 500nm		
Baseline Flatness	± 0.0005A		
Noise	± 0.0002Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB2.0*2 Print and data output USB1.0 Connect PC		
Compartment	Optional 8 Auto Cell holder, Solid Sample Holder, Micro Cell Holder, 10~100mm Cell Holder		

Functions and Applications

Photometric:

Set the factor K, The direct calculation of K*A results. Measurement data can be saved.

BASIC	500.0 nm	100.0 %T
A : -0.000		
K*A: 0.0001		
PARAM		
ABS		
K : 1.0000		

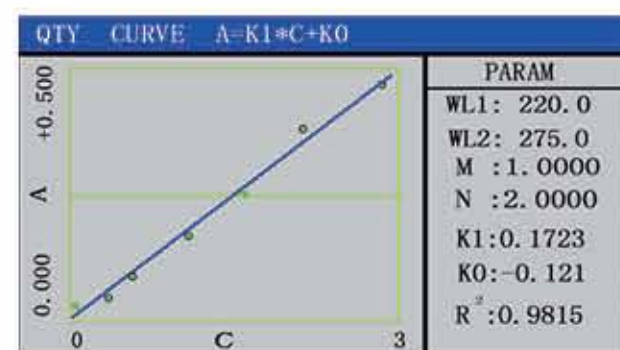
BASIC DATA		500.0 nm -0.000 A	
No.	DATA	K*DATA	PARAM
1	0.051	0.0512	ABS
2	0.542	0.5418	WL: 500.0 nm
			K : 1

Quantitative:

Test total nitrogen by double wavelength method:

Double wavelength test method $\Delta A = MA1 - NA2$, can calculate the linear of inputted concentration C and ΔA .

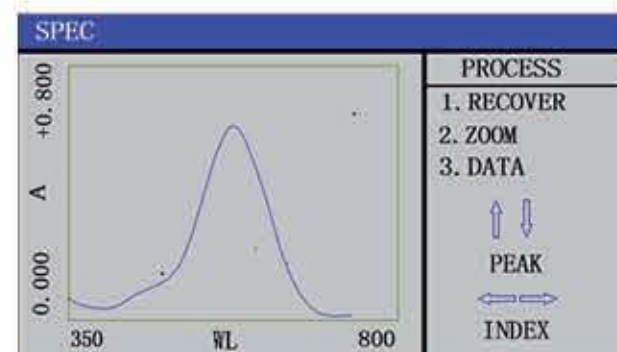
Application: Test method of total nitrogen in water quality monitoring: $\Delta A = A220 - 2A275$



QTY SAMPLE			220.0 nm -0.001 A
No.	C	A	PARAM
1	0.0000	0.000	RECORD
2	0.1200	0.005	LINEAR
3	0.2000	0.018	UNIT:none
4	0.4000	0.041	WL1 :220.0
5	1.2000	0.185	WL2 :275.0
6	2.0000	0.383	M :1.0000
7	2.8000	0.441	N :2.0000
			SAMPLE: 7

Spectrum:

Application for hexavalent chromium: The colored matter reacted from hexavalent chromium aqueous solution and diphenylcarbazide. One key for looking for the peak in spectrum function, looking in data sheet, as well. The position of absorption peak as picture 540nm. By marking the curve and quantitative to test the sample concentration.



Kinetics:

Test the sample changes in a period, get $\Delta A/t$, display the spectrum curve.

KINS DATA		500.0 nm	-0.001 A
T	A	$\Delta A/t$	NOTICE
00	0.968		1/1
10	0.812	0.0156	
20	0.702	0.0110	
30	0.593	0.0151	
40	0.442	0.0089	
50	0.353	0.0055	

Multiple Wavelength Application:

Neutral filter 10% measurement

MULTWL DATA			
No.	WL	T	NOTICE
1-1	635.0	7.8	ZERO
1-2	546.0	10.1	BLANK
1-3	440.0	9.9	START
			RECORD
			1/1

BIO:

DNA/Protein test, test the sample's protein and DNA concentration.

DNA-2 DATA		260.0 nm	0.310 A
No.	WL	A	NOTICE
1	320.0	0.000	ZERO
	280.0	0.217	BLANK
	260.0	0.310	
Abs	RATIO	1.429	START
DNA	CONC	11.723	RECORD
PROT.	CONC	102.02	
			1/1

Save:

Measurement data, scanning patterns are preserved at the host and disk U

BASIC DATASAVE			
NAME	TIME	NOTICE	
SAMPLE	13-2-12 14:00		
			↑ ↓ ← →
			SEL POS
			SAVE
			NAME
			CLEAR
			DEL CUR

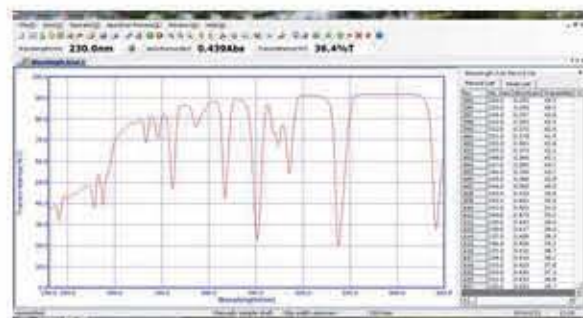
One Key Upgrade:

Plug the USB with upgrade program, switch on and go to upgrade menu, press no. key 1, the instrument will be upgraded automatically.

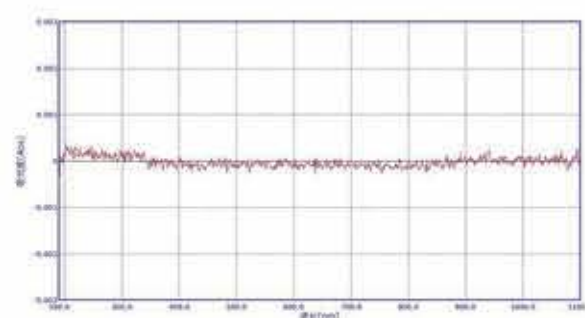
MAIN MENU
1. SYSTEM UPDATE
2. RUN APPLICATION

PC-Control Software

Holmium solution spectra



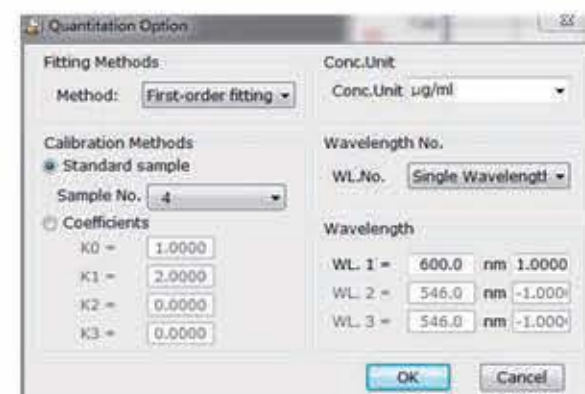
Baseline 190–1100nm



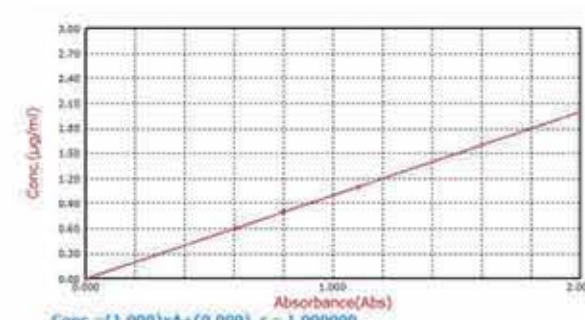
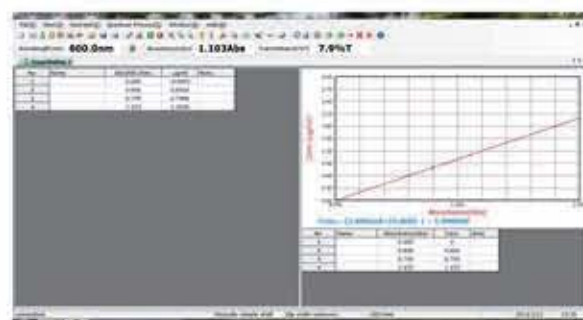
Scan settings



The quantitative setting

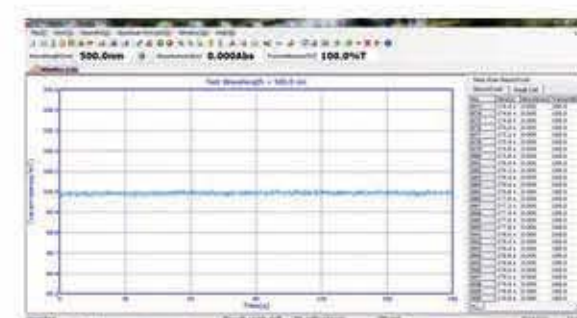


QuantitativeStandard curve



PC-Control Software

The stability of kinetic measurement



Kinetics setting



Multi wavelength



Multi wavelength setting



Protein /DNA measurement



Protein /DNA setting



Low Speed Centrifuge (High Configuration)



Advantages:

- Universal centrifuge, optional fixed-angle rotor, swing-bucket rotor, plate rotor
- Microprocessor touch-keypad control, LED display : rotor model, time, RCF and speed
- Quiet, brushless drive
- Double Lid and Lock system
- 20 program memory for standard runs, programmability is available, by which to save operation time
- Choice of 15 acceleration and deceleration, the user can do setting according to the sample' s requirement
- RPM function, and short spin function
- Easy setting and reading RCF, speed
- Double-layer steel structure with anti-corrosion powder coating
- Automatic rotor recognition and imbalance detection for maximum operational safety, provides optimum run stability
- Audible alarm: error, imbalance
- Easily adjust speed, RCF, time and temperature during the running without stop
- The shortest acceleration and deceleration time is less than 30s
- Sunken exhaust, filtering devices, it can prevent aerosol pollution during the centrifugal process

Technical Parameters:

Model	BK-1032J	BK-1044J
Max Speed	6000rpm	6000rpm
Max RCF	5037xg	5037xg
Speed Precision	±10rpm	±10rpm
Noise	≤ 62dB	≤ 65dB
Timing range	1 ~9999min/ continuous / short spin	1 ~9999min/ continuous / short spin
No.1: Swing rotor	100ml*4 / 5000rpm /4500xg	300ml*4 /4500rpm /3781xg
Adapter	100ml*4, 50ml*4, 10ml/15ml/5ml*16	250ml*4, 100ml*8, 50ml*8 (★), 50ml*12 (●), 10ml*40, 15ml*28 (★), 5ml*56, 5ml*76
No.2: Swing rotor	100mlx4 /4500rpm /3645xg	450ml*4 /4200rpm /3451xg
Adapter	100ml*4, 50ml*8, 10ml/15ml/5ml*24	250ml*4, 10ml*56, 100ml*12, 50ml*12(★), 50ml*16(●), 10ml/15ml*56 (★), 5ml*68, 5ml*96
No.3: Swing rotor	100ml*8 / 4200rpm/ 3175xg	5ml * 68
Adapter	100ml*8, 50ml*8, 10ml/15ml/5ml*32 (●)	5ml*96 /4200rpm /3451xg
No.4: Cellular Crane cup	5ml*40 /4200rpm /3175xg	10ml/15ml *12 /6000rpm/ 5037xg
No.5: Angle Rotor	10ml/15ml *12 / 6000rpm /5037xg	96 well*2/ 4000rpm / 2260xg
No.6: Microplate	96 well*2 / 4000rpm /2260xg	/
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Net Weight	55Kg	55Kg
External Size(W*D*H)	425mm*510mm*415mm	425mm*510mm*415mm

Note: "★" V-bottom tube; "●" Round bottom tube

Low Speed Refrigerated Centrifuge (High Configuration)



Advantages:

- Universal centrifuge, optional fixed-angle rotor, swing-bucket rotor, plate rotor
- Microprocessor touch-keypad control, LED display : rotor model, time, RCF and speed
- Quiet, brushless drive
- Double Lid and Lock system
- 20 program memory for standard runs, programmability is available, by which to save operation time
- Choice of 15 acceleration and deceleration, the user can do setting according to the sample' s requirement
- RPM function, and short spin function
- Easy setting and reading RCF, speed
- Double-layer steel structure with anti-corrosion powder coating
- Automatic rotor recognition and imbalance detection for maximum operational safety, provides optimum run stability
- Audible alarm: error, imbalance
- Easily adjust speed, RCF, time and temperature during the running without stop
- The shortest acceleration and deceleration time is less than 30s
- Sunken exhaust, filtering devices, it can prevent aerosol pollution during the centrifugal process
- Pre-cooling and fast cooling function (drop to 4℃ in 10 minutes)
- Automatic temperature compensation
- Adopt Danfoss compressor

Technical Parameters:

Model	BK- R 1042J	BK- R 1044J
Max Speed	5500rpm	
Max RCF	5400xg	
Max Capacity	250ml*4	750ml*4
Speed Precision	±10rpm	
Noise	≤ 60dB	≤ 65dB
Timing Range	1s ~ 999min/continuous / short spin	
Temperature Range	-20℃ ~40℃	
Temperature Precision	±1℃	
No.1: Swing Rotor	250ml*4 / 4500rpm / 3781xg	750ml*4 / 4200rpm /3648xg
Adapter 1:	250ml*4 ,100ml*4, 50ml*12, 10ml *40, 5ml*56	500ml*4, 250ml*4, 100ml*8 (★) , 100ml*12(●) , 50ml*20 (★) , 50ml*28(●) , 15ml/20ml*56 (★) , 15ml*76, 5ml*96, 5ml*148
Adapter 2: (Hat device)	/	5ml * 96
No.2: Swing Rotor	100ml*8 /4200rpm/ 3715xg	/
Adapter	100ml*8, 50ml*8, 10ml/15ml/5ml*32	/
No.3: Cellular Crane Cup	/	5ml*148/ 4200rpm /3648xg
No.4: Angle Rotor	50ml*6 / 5500rpm /5400xg	
No.5: Microplate	2*2 *96 well /4000rpm/ 2260xg	
Power Supply	AC220V , 50Hz	
Net Weight	450*575*520mm	600*790*890mm
External Size(W*D*H)	65Kg	89Kg

Note: "★" V-bottom tube; "●" Round bottom tube

High Speed Centrifuge (High Configuration)

Advantages:

- Universal centrifuge, optional fixed-angle rotor, swing-bucket rotor, plate rotor
- Microprocessor touch-keypad control, LED display : rotor model, time, RCF and speed
- Quiet, brushless drive
- Double Lid and Lock system
- 20 program memory for standard runs, programmability is available, by which to save operation time
- Choice of 15 acceleration and deceleration, the user can do setting according to the sample' s requirement
- RPM function, and short spin function
- Easy setting and reading RCF, speed
- Double-layer steel structure with anti-corrosion powder coating
- Automatic rotor recognition and imbalance detection for maximum operational safety, provides optimum run stability
- Audible alarm: error, imbalance
- Easily adjust speed, RCF, time and temperature during the running without stop
- The shortest acceleration and deceleration time is less than 30s
- Sunken exhaust, filtering devices, it can prevent aerosol pollution during the centrifugal process



BK-H2018J

BK-H3021J

Technical Parameters:

Model	BK- H 2018J	BK- H 3021J
Max Speed	18500rpm	21000rpm
Max RCF	26019xg	30409xg
Max Capacity	10ml*12	100ml*6
Speed Precision	± 20rpm	
Timing Range	1s ~ 999min/continuous / short spin	
Noise	≤ 60dB	
Power Supply	220V, 50Hz	
Net Weight	30Kg	45Kg
External Size (W*D*H)	330*390*325mm	380*450*390mm

Rotors for BK- H 2018J, BK- H 3021J

No.	Capacity	BK- H 2018J	BK- H 3021J
No.1	0.5ml*12	18500rpm	21000rpm
		18366xg	23665xg
No.2	0.5ml*24	18500rpm	/
		26019xg	/
No.3	1.5ml/2.2ml*12	18500rpm	20000rpm
		26019xg	30409xg
No.4	1.5ml/2.2ml*24	14500rpm	16500rpm
		19980xg	25871xg
No.5	1.5ml/2.2ml*36	/	16000rpm
		/	24327xg
No.6	5ml*12	16500rpm	16500rpm
		20240xg	20240xg
No.7	10ml*12	13200rpm	14500rpm
		17532xg	21390xg
No.8	15ml*8	/	12000rpm
		/	14489xg
No.9	30ml*6	/	14500rpm
		/	20450xg
No.10	50ml*6	/	12000rpm
		/	16904xg
No.11	100ml*4	/	12000rpm
		/	16904xg
No.12	0.5ml*48	/	16000rpm
		/	22324xg
No.13	0.2ml*32	/	14000rpm
		/	14243xg
No.14	100ml*6	/	11000rpm
		/	14302xg
No.15	50ml*4	/	5000rpm
		/	3913xg
No.16	40well*2	/	5000rpm
		/	2375xg

High Speed Refrigerated Centrifuge (High Configuration)



BK-HR2018J



BK-HR3021J

Advantages:

- Universal centrifuge, optional fixed-angle rotor, swing-bucket rotor, plate rotor
- Microprocessor touch-keypad control, LED display : rotor model, time, RCF and speed
- Quiet, brushless drive
- Double Lid and Lock system
- 20 program memory for standard runs, programmability is available, by which to save operation time
- Choice of 15 acceleration and deceleration, the user can do setting according to the sample' s requirement
- RPM function, and short spin function
- Easy setting and reading RCF, speed
- Double-layer steel structure with anti-corrosion powder coating
- Automatic rotor recognition and imbalance detection for maximum operational safety, provides optimum run stability
- Audible alarm: error, imbalance
- Easily adjust speed, RCF, time and temperature during the running without stop
- The shortest acceleration and deceleration time is less than 15s
- Sunken exhaust, filtering devices, it can prevent aerosol pollution during the centrifugal process
- Pre-cooling and fast cooling function (drop to 4℃ within 10 minutes)
- Automatic temperature compensation
- Adopt Danfoss compressor

Technical Parameters :

Model	BK- HR2018J	BK- HR3021J	BK- HR3022J	BK- HR3024J
Max Speed	18500rpm	23000rpm	23000rpm	24000rpm
Max RCF	26019xg	36795xg	36795xg	40217xg
Max Capacity	10ml*12	100ml*6	300ml*4	750ml*4
Speed Precision	± 20rpm			
Temperature Range	-20℃ ~40℃			
Temperature Precision	± 1.0℃			
Timing range	1s ~ 999min/continuous / short spin			
Noise	≤ 60dB			
Power Supply	220V, 50Hz			
Net Weight	70Kg	95Kg	95Kg	150Kg
ExternalSize(W*D*H)	545*505*410mm	570*590*490mm	570*590*490mm	600*790*890mm



BK-HR3022J



BK-HR3024J

Rotors for BK- HR2018J, BK- HR3021J

Rotor No.	Capacity	BK- HR2018J	BK- HR3021J
No.1	0.5ml*12	18500rpm	23000rpm
		18366xg	28288xg
No.2	0.5ml*24	/	18000rpm
		/	24631xg
No.3	1.5ml/2.2ml*12	18500rpm	22000rpm
		26019xg	36795xg
No.4	1.5ml/2.2ml*24	15000rpm	16500rpm
		21381xg	25871xg
No.5	1.5ml/2.2ml*36	12500rpm	14000rpm
		148848xg	34237xg
No.6	5ml*12	14800rpm	16500rpm
		16284xg	25871xg
No.7	10ml*12	13200rpm	15000rpm
		17726xg	22891xg
No.8	15ml*8	/	12500rpm ●
		/	15721xg ●
No.9	30ml*6	/	15000rpm
		/	21885xg
No.10	50ml*6	/	13000rpm
		/	19838xg
No.11	100ml*4	/	12000rpm
		/	16904xg
No.12	0.5ml*48	12500rpm	16000rpm
		13625xg	22324xg
No.13	0.2ml*32	12500rpm	12000rpm
		11355xg	10464xg
No.14	100ml*6	/	12000rpm
		/	19320xg
No.15	50ml*4	/	5000rpm
		/	3913xg

Rotors for BK- HR 3022J, BK- HR3024J

RotorNo.	Capacity	BK- HR 3022J	BK- HR3024J
No.1	0.5ml*12	23000rpm	24000rpm
		32625xg	32625xg
No.2	0.5ml*24	18000rpm	18000rpm
		24631xg	24631xg
No.3	1.5ml/2.2ml*12	22000rpm	23000rpm
		36795xg	40217xg
No.4	1.5ml/2.2ml*24	16500rpm	16500rpm
		25871xg	25871xg
No.5	1.5ml/2.2ml*36	14000rpm	14000rpm
		34237xg	34237xg
No.6	5ml*12	16500rpm	16500rpm
		25871xg	25871xg
No.7	10ml*12	15000rpm	15000rpm
		22891xg	22891xg
No.8	15ml*8	12500rpm	12500rpm
		15721xg	15721xg
No.9	30ml*6	15000rpm	15000rpm
		21885xg	21885xg
No.10	50ml*6	13000rpm	13000rpm
		19838xg	19838xg
No.11	100ml*4	12000rpm	12000rpm
		16904xg	16904xg
No.12	0.5ml*48	16000rpm	16000rpm
		22324xg	22324xg
No.13	0.2ml*32	12000rpm	12000rpm
		10464xg	10464xg
No.14	100ml*6	12000rpm	12000rpm
		19320xg	19320xg

Model	BK- HR3022J	BK- HR3024J
Swing rotor	300ml*4 / 4500rpm/ 3781xg	750ml*4 / 4200rpm / 3550xg
Adapter 1:	25ml*4, 100ml*4, 50ml*8, (★), 50ml*12 (●), 15ml*28 (★), 10mm*40 5ml*76, 5ml*56	500ml*4, 250ml*4, 100ml*8 (★), 100ml*12 (●), 50ml*20 (★), 50ml*28 (●), 15ml/20ml*56 (★), 15ml*76, 5ml*96, 5ml*148
Micro plate	96 well*2*2	

Note: "★" V-bottom tube; "●" Round bottom tube

Tabletop Low Speed Centrifuge



BK-T4KZ



Features:

- Brushless DC motor, easy to maintain, fast acceleration and deceleration, special damping device make the motor run steady
- Display: microcomputer controlled with touching panel and LED display of running parameters, 10rpm increments. Conversion of RPM/RCF
- Function: automatically electric lid lock, over-speed, over-temperature protection and imbalance protection Emergency lid-lock release, inching function, transient centrifuging, memory flashing function
- Alarm: lid open, imbalance, over-speed, rotor mounting abnormally
- Metal housing (powder coated steel), stainless steel centrifugal chamber and lid

Technical Parameters:

Model	BK-T4KZ
Max Speed	4000rpm
Speed Precision	±30rpm
Max RCF	2200xg
Max Capacity	6*50ml
Timing Range	0 ~ 99min
Noise	≤ 58dB
Power Supply	AC220V, 50Hz
Consumption	0.25KW
External Size(W*D*H)	330*295*255mm
Net Weight	20kg

Rotors:

NO	Rotor	Max Speed	Max RCF	Capacity	Tube (mm)
NO.1	Angle Rotor	4000rpm	2200xg	18*10/7ml	Φ16*120
NO.2	Angle Rotor	4000rpm	2200xg	24*10/7ml	Φ16*120
NO.3	Angle Rotor	4000rpm	2200xg	12*15/10ml	Φ16*120
NO.4	Angle Rotor	4000rpm	2200xg	12*20/15ml	Φ20*120
NO.5	Angle Rotor	4000rpm	2200xg	6*50ml	Φ29*125

Tabletop Low Speed Centrifuge

Features:

- Brushless DC motor, easy to maintain, fast acceleration and deceleration and special damping device make the motor run steady
- Display: microcomputer control, touching panel, LED display of running parameters, 10rpm increments, conversion of RPM/RCF.
- Function: automatically electric lid lock, super speed, over temperature protection and imbalance protection. Memory flashing function.
- Alarm: lid open, imbalance, over speed, rotor mounting abnormally.
- Metal housing (powder coated steel), High-quality steel, stainless steel centrifugal chamber.



BK-T6K



BK-T5KIII

Technical parameters:

Model	BK-T5KIII	BK-T6K
Display	LED	LED
Max Speed	5000rpm	6000rpm
Speed Precision	±30rpm	±30rpm
Max RCF	4020xg	5120xg
Max Capacity	6*50ml	6*30ml
Timing Range	0 ~ 99min	0 ~ 99min
Noise	≤ 58dB	≤ 60dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	0.3KW	0.75KW
External Size(W*D*H)	330*295*255mm	340*400*270mm
Net Weight	20kg	25kg

Rotors:

NO.	Rotor	Max Speed (BK-T5KIII/ BK-T6K)	Max.RCF	Capacity (BK-T5KIII/ BK-T6K)
NO.1	Angle Rotor	5000rpm/6000rpm	4020 × g	18*10/7ml
NO.2	Angle Rotor			24*10/7ml
NO.3	Angle Rotor			12*15/10ml
NO.4	Angle Rotor			12*20/15ml
NO.5	Angle Rotor			6*50ml /6*30ml

Tabletop Low Speed Centrifuge

Features:

- Brushless DC motor, easy to maintain, fast acceleration and deceleration and special damping device make the motor run steady
- Display: microcomputer control, touching panel, LED/LCD display of running parameters. 10rpm increments, conversion of RPM/RCF.
- Function: automatically electric lid lock, super speed, over temperature protection and imbalance protection, memory flashing function
- Alarm: lid open, imbalance, over speed, rotor mounting abnormally
- Metal housing (powder coated steel), high-quality steel, stainless steel centrifugal chamber.



Technical Parameters:

Model	BK-T5K	BK-T5KII
Max Speed	5500rpm	5000rpm
Speed Precision	± 30rpm	± 30rpm
Max RCF	5310xg	4390xg
Max Capacity	4*500ml	4*2*100ml
Timing Range	0 ~ 99min	0 ~ 99min
Noise	≤ 58dB	≤ 65dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	0.75KW	0.5KW
External Size(W*D*H)	460*590*420mm	460*590*420mm
Net Weight	45kg	45kg

Rotors for BK-T5K& BK-T5KII:

NO	Rotor	Max Speed	Max RCF	Capacity
NO.1	Angle Rotor	5500rpm	5310xg	12*10ml
NO.2	Swing Rotor	5000rpm	4390xg	4*100ml
	Swing Rotor	4000rpm	3500xg	4*2*100ml
	Swing Rotor			4*4*10ml
	Swing Rotor			4*6*10ml
	Swing Rotor			4*8*10ml
	Swing Rotor	5000rpm	4390xg	4*4*15ml
	Swing Rotor			4*6*15ml
	Swing Rotor			4*8*15ml
NO.3	Swing Rotor	4000rpm	3500xg	4*50ml
	Swing Rotor	4000rpm	3500xg	4*2*50ml
	Swing Rotor	4000rpm	3500xg	4*250ml
	Adapter			4*8*5ml
	Adapter			4*8*7ml
	Adapter			4*8*10ml
	Adapter			4*8*15ml
	Adapter			4*2*50ml
NO.4	Adapter			4*100ml
	Swing Rotor	4000rpm	3580xg	4*500ml
	Adapter			4*15*5ml
	Adapter			4*15*7ml
	Adapter			4*12*10ml
	Adapter			4*8*15ml
	Adapter			4*4*50ml
	Adapter			4*2*100ml
	Adapter			4*250ml
NO.5	Swing Rotor	4000rpm	2800xg	4*12*7/5ml
NO.6	Swing Rotor	4000rpm	2800xg	4*18*7/5ml
NO.7	Swing Rotor	4000rpm	2800xg	4*24*7/5ml
NO.8	Swing Rotor	4000rpm	3200xg	4*30*7/5ml
NO.9	Swing Rotor	4000rpm	3200xg	4*37*7/5ml
NO.10	Swing rotor(Automatic uncap)	4000rpm	3500xg	4*12*7/5ml
NO.11	Swing rotor(Automatic uncap)	4000rpm	3500xg	4*18*7/5ml
NO.12	Swing rotor(Automatic uncap)	4000rpm	3580xg	4*24*7/5ml
NO.13	Micro plate	4000rpm	2300xg	2*2*96well
NO.14	Micro plate	4000rpm	2300xg	2*2*48well

Erythrocyte Washing Centrifuge & Blood Bank Centrifuge

Features:

Erythrocyte washing centrifuge realizes perfect separation with precise timer to seconds within 3 minutes, mainly used in the separation and washing of lymphocyte and erythrocyte.

Blood bank centrifuge can store 10 programs, one of program is designed specially for polybrene test in blood banks. It is mainly used for polybrene kits and realizing the identification of cross-matching, blood grouping and irregular antibody.



BK-T4K



BK-T4KX

Technical Parameters:

Model	BK-T4K(Erythrocyte Washing)	BK-T4KX (Blood bank)
Max Speed	4000rpm	4000rpm
Speed Precision	± 30rpm	± 30rpm
Max RCF	2200xg	2200xg
Max Capacity	12*7ml	12*15ml
Timing Range	0 ~ 99min	0 ~ 99min
Noise	≤ 58dB	≤ 58dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	0.25KW	0.25KW
External Size(W*D*H)	330*295*255mm	330*295*255mm
Net Weight	28kg	20kg

Rotors for BK-T4K:

NO.	Rotor	Max Speed	Max RCF	Capacity
NO.1	Lymphocyte washing specialized rotor	4000rpm	2200xg	12*1ml
NO.2	Erythrocyte washing specialized rotor	4000rpm	2200xg	12*7ml

Rotors for BK-T4KX:

NO.	Rotor	Max Speed	Max RCF	Capacity
NO.1	Angle rotor	4000rpm	2200xg	12*10/7ml
NO.2	Angle rotor	4000rpm	2200xg	12*15/10ml

Crude-Oil Water Test Centrifuge

Features:

- Brushless DC motor, easy to maintain, fast acceleration and deceleration and special damping device make the motor run steady
- Display: microcomputer controlled with touching panel and LED display of running parameters, 10rpm increments, conversion of RPM/RCF.
- Function: automatically electric lid lock, super speed, over temperature protection and imbalance protection, emergency lid-lock release, inching function, transient centrifuging, memory flashing function
- Alarm: lid open, imbalance, over speed, rotor mounting abnormally
- Metal housing (powder coated steel), stainless steel centrifugal chamber and lid
- It is ideal separation equipment of water test of crude oil industry and research institutions.



BK-L5KS



BK-L5KSII

Technical Parameters:

Model	BK-L5KS	BK-L5KSII
Max Speed	5000rpm	5000rpm
Speed Precision	± 30rpm	± 30rpm
Max RCF	3800xg	4500xg
Max Capacity	4*4*15ml	4*100ml
Timing Range	0 ~ 99min	0 ~ 99min59s
Temperature Range	10℃ ~ 80℃	10 ~ 80℃
Noise	≤ 58dB	≤ 58dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	1KW	1.75KW
External Size(W*D*H)	520*550*400mm	610*720*1140mm
Net Weight	85kg	108kg

Rotors for BK-L5KS :

NO.	Rotor	Max Speed	Max RCF	Capacity
NO.1	Swing Rotor	5000rpm	3800 × g	4*4*15ml

Rotors for BK-L5KSII :

NO.	Rotor	Max Speed	Max RCF	Capacity
NO.1	Swing Rotor	5000rpm	3800xg	4*4*15ml
NO.2	Swing Rotor	5000rpm	4500xg	4*100ml

Low Speed Refrigerated Centrifuge



BK-LR5K



Features:

- Programmable microprocessor control (AC brushless motor) with touching panel, LCD display of speed, RCF, time and temperature, conversion of RPM/RCF.
- CFC-free refrigeration, fast cool function for rapid cooling, cycle defrost system is available.
- High-quality steel, stainless steel centrifugal chamber and lid.
- Fan-forced air circulation system for fast recovery of temperature.
- Functions: RCF selection, quick run, automatic rotor recognition and backup. Electronic imbalance detection, dynamic electric brake system.
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models. Fast acceleration and deceleration
- Electronic lock lid and interlock safety provision. Auto lock rotor system
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- Memory-based programmed operation, inching function, transient centrifuging

Technical Parameters:

Model	BK-LR5K
Max Speed	5000rpm
Speed Precision	±20rpm
Max RCF	4390xg
Max Capacity	6*500ml
Temperature Range	-20 ~ 40℃
Temperature Precision	±1℃
Timing Range	0 ~ 99min
Noise	≤ 58dB
Power Supply	AC220V, 50Hz
Consumption	3KW
External Size(W*D*H)	490*620*720mm
Net Weight	120kg

Rotors:

NO.	Rotor	Max Speed	Max RCF	Capacity
NO.1	Angle Rotor	5000rpm	4390xg	12*10ml
NO.2	Swing Rotor	5000rpm	4390xg	4*100ml
	Swing Rotor			4*2*100ml
	Swing Rotor			4*4*10ml
	Swing Rotor			4*6*10ml
	Swing Rotor	4000rpm	3500xg	4*8*10ml
	Swing Rotor			4*4*15ml
	Swing Rotor			4*6*15ml
	Swing Rotor			4*8*15ml
	Swing Rotor	5000rpm	4390xg	4*50ml
	Swing Rotor	4000rpm	3500xg	4*2*50ml
NO.3	Swing Rotor	4000rpm	3500xg	4*250ml
	Adapter			4*8*5ml
	Adapter			4*8*7ml
	Adapter	4000rpm	3500xg	4*8*10ml
	Adapter			4*8*15ml
	Adapter			4*2*50ml
NO.4	Adapter			4*100ml
	Swing Rotor	4000rpm	3580xg	4*500ml
	Adapter			4*15*5ml
	Adapter			4*15*7ml
	Adapter			4*12*10ml
	Adapter	4000rpm	3580xg	4*8*15ml
	Adapter			4*4*50ml
	Adapter			4*2*100ml
NO.5	Adapter			4*250ml
	Swing Rotor	4000rpm	3700xg	6*500ml
NO.6	Swing Rotor	4000rpm	2800xg	4*12*7/5ml
NO.7	Swing Rotor	4000rpm	2800xg	4*18*7/5ml
NO.8	Swing Rotor	4000rpm	2800xg	4*24*7/5ml
NO.9	Swing Rotor	4000rpm	3200xg	4*30*7/5ml
NO.10	Swing Rotor	4000rpm	3200xg	4*37*7/5ml
NO.11	Swing Rotor(Automatic uncap)	4000rpm	3500xg	4*12*7/5ml
NO.12	Swing Rotor(Automatic uncap)	4000rpm	3500xg	4*18*7/5ml
NO.13	Swing Rotor(Automatic uncap)	4000rpm	3580xg	4*24*7/5ml
NO.14	MicroPlate	4000rpm	2300xg	2*2*96well
NO.15	MicroPlate	4000rpm	2300xg	2*2*48well

Large Capacity Refrigerated Centrifuge



Features:

- Programmable microprocessor control(AC brushless frequency motor) with touching panel, LCD & LED display of speed, RCF, time and temperature, conversion of RPM/RCF
- CFC-free refrigeration, fast cool function for rapid cooling, cycle defrost system is available
- High-quality steel, stainless steel centrifugal chamber and lid
- Fan-forced air circulation system for fast recovery of temperature
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models. Fast acceleration and deceleration profile
- Electronic lock lid and interlock safety provision
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- Memory-based programmed operation, inching function, transient centrifuging

Technical Parameters:

Model	BK-TLLR5K	BK- THR20K
Max Speed	5500rpm	21000rpm
Speed Precision	± 20rpm	± 30rpm
Max RCF	5310xg	30700xg
Max Capacity	4*750ml	4*750ml
Temperature Range	- 20 ~ 40℃	- 20 ~ 40℃
Temperature Precision	± 1℃	± 1℃
Timing Range	0 ~ 99h59min59s	0 ~ 99h59min59s
Noise	≤ 58dB	≤ 58dB
Power Supply	AC220V, 50Hz, 2.5KW, 25A	AC220V, 50Hz, 2.5KW, 25A
External Size(W*D*H)	800*700*400mm	800*700*400mm
Net Weight	110kg	110kg

Rotors for BK-TLLR5K:

NO	Item	Max Speed	Max.RCF	Capacity
NO.1	Swing rotor	5000rpm	5310xg	4*100ml
	Swing rotor			4*2*100ml
	Swing rotor			4*4*10ml
	Swing rotor			4*6*10ml
	Swing rotor	4000rpm	3500xg	4*8*10ml
	Swing rotor			4*4*15ml
	Swing rotor			4*6*15ml
	Swing rotor			4*8*15ml
	Swing rotor	5000rpm	4390xg	4*50ml
	Swing rotor	4000rpm	3500xg	4*2*50ml
NO.2	Swing rotor	4000rpm	3500xg	4*250ml
	Adapter			4*8*5ml
	Adapter			4*8*7ml
	Adapter	4000rpm	3500xg	4*8*10ml
	Adapter			4*8*15ml
	Adapter			4*2*50ml
NO.3	Adapter			4*100ml
	Swing rotor	4000rpm	3580xg	4*500ml
	Adapter			4*15*5ml
	Adapter			4*15*7ml
	Adapter			4*12*10ml
	Adapter	4000rpm	3580xg	4*8*15ml
	Adapter			4*4*50ml
	Adapter			4*2*100ml
NO.4	Swing rotor	4000rpm	3580xg	4*750ml
NO.5	Swing Rotor	4000rpm	2800xg	4*12*7/5ml
NO.6	Swing Rotor	4000rpm	2800xg	4*18*7/5ml
NO.7	Swing Rotor	4000rpm	2800xg	4*24*7/5ml
NO.8	Swing Rotor	4000rpm	3200xg	4*30*7/5ml
NO.9	Swing Rotor	4000rpm	3200xg	4*37*7/5ml

Rotors for BK-THR20K:

NO	Rotor	Max speed	Max RCF	Capacity
NO.1	Angle Rotor	21000rpm	30700xg	18*0.5ml
NO.2	Angle Rotor	21000rpm	3070xg	12*2.2/1.5ml
NO.3	Angle Rotor	16000rpm	23550xg	48*0.5ml
NO.4	Angle Rotor	16000rpm	23550xg	24*2.2/1.5ml
NO.5	Angle Rotor	16000rpm	17420xg	10*5ml
NO.6	Angle Rotor	15000rpm	24300xg	32*2.2/1.5ml
NO.7	Angle Rotor	15000rpm	23120xg	12*10ml
NO.8	Angle Rotor	15000rpm	24300xg	30*2ml
NO.9	Angle Rotor	15000rpm	22140xg	36*2ml
NO.10	Angle Rotor	14000rpm	20150xg	6*50ml
NO.11	Angle Rotor	14000rpm	21940xg	4*100ml
NO.12	Angle Rotor	11000rpm	15730xg	6*100ml
NO.13	Angle Rotor	10000rpm	9700xg	12*15ml
NO.14	Angle Rotor	10000rpm	11100xg	8*50ml
NO.15	Angle Rotor	10000rpm	10150xg	20*10ml
NO.16	Angle Rotor	8000rpm	7600xg	12*30ml
NO.17	Swing Rotor	5000rpm	4390xg	4*100ml
	Swing Rotor	4000rpm	3500xg	4*2*100ml
	Swing Rotor			4*4*10ml
	Swing Rotor			4*6*10ml
	Swing Rotor			4*8*10ml
	Swing Rotor			4*4*15ml
	Swing Rotor			4*6*15ml
	Swing Rotor			4*8*15ml
	Swing Rotor	5000rpm	4390xg	4*50ml
	Swing Rotor	4000rpm	3500xg	4*2*50ml

NO.18	Swing Rotor	4000rpm	3500xg	4*250ml
	Adapter	4000rpm	3500xg	4*8*5ml
	Adapter			4*8*7ml
	Adapter			4*8*10ml
	Adapter			4*8*15ml
	Adapter			4*2*50ml
	Adapter			4*100ml
NO.19	Swing Rotor	4000rpm	3580xg	4*500ml
	Adapter	4000rpm	3580xg	4*15*5ml
	Adapter			4*15*7ml
	Adapter			4*12*10ml
	Adapter			4*8*15ml
	Adapter			4*4*50ml
	Adapter			4*2*100ml
NO.20	Swing Rotor	4000rpm	3580xg	4*250ml
	Swing Rotor	4000rpm	3580xg	4*750ml
NO.21	Swing Rotor	4000rpm	2800xg	4*10*5/7ml
NO.22	Swing Rotor	4000rpm	2800xg	4*12*5/7ml
NO.23	Swing Rotor	4000rpm	2800xg	4*18*5/7ml
NO.24	Swing Rotor	4000rpm	2800xg	4*24*5/7ml
NO.25	Swing Rotor	4000rpm	3200xg	4*30*5/7ml
NO.26	Swing Rotor	4000rpm	3200xg	4*37*5/7ml
NO.27	Microplate	4000rpm	2380xg	2*2*96well
NO.28	Microplate	4000rpm	2300xg	2*48well

Tabletop High Speed Refrigerated Centrifuge



Features:

- Programmable microprocessor control(AC brushless frequency motor) with touching panel, LCD display of speed, RCF, time and temperature, conversion of RPM/RCF
- CFC-free refrigeration, fast cool function for rapid cooling, cycle defrost system is available
- High-quality steel, stainless steel centrifugal chamber and lid
- Fan-forced air circulation system for fast recovery of temperature
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9.
- Electronic lock lid and interlock safety provision, auto lock rotor system
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- Memory-based programmed operation. inching function, transient centrifuging

Technical Parameters:

Model	BK-TLLR16K	BK-TLLR18K
Max Speed	16000rpm	18000rpm
Speed Precision	± 30rpm	± 30rpm
Max RCF	17800xg	21500xg
Max Capacity	4*100ml	4*100ml
Temperature Range	- 20 ~ 40℃	- 20 ~ 40℃
Temperature Precision	± 1℃	± 1℃
Timing Range	0 ~ 99min	0 ~ 99min
Noise	≤ 58dB	≤ 58dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	1.5KW	1.5KW
External Size(W*D*H)	600*580*370mm	600*580*370mm
Net Weight	95kg	90kg

Rotors for BK-THR16K :

NO	Rotor	Max Speed	Max RCF	Capacity
NO.1	Angle Rotor	16000rpm	17800xg	18*0.5ml
NO.2	Angle Rotor	16000rpm	17800xg	12*2.2/1.5ml
NO.3	Angle Rotor	13000rpm	16060xg	48*0.5ml
NO.4	Angle Rotor	13000rpm	16060xg	24*2.2/1.5ml
NO.5	Angle Rotor	13000rpm	11500xg	10*5ml
NO.6	Angle Rotor	12000rpm	14800xg	12*10ml
NO.7	Angle Rotor	12000rpm	14800xg	6*50ml
NO.8	Angle Rotor	10000rpm	11220xg	12*15ml
NO.9	Angle Rotor	10000rpm	11200xg	4*100ml
NO.10	Microplate	4000rpm	2300xg	2*2*48 well

Rotors for BK-THR18K :

NO	Rotor	Max speed	Max RCF	Capacity
NO.1	Angle Rotor	18000rpm	21500xg	18*0.5ml
NO.2	Angle Rotor	18000rpm	21500xg	12*2.2/1.5ml
NO.3	Angle Rotor	15000rpm	21000xg	48*0.5ml
NO.4	Angle Rotor	15000rpm	21000xg	24*2.2/1.5ml
NO.5	Angle Rotor	13000rpm	11500xg	10*5ml
NO.6	Angle Rotor	12000rpm	14800xg	12*10ml
NO.7	Angle Rotor	12000rpm	14800xg	6*50ml
NO.8	Angle Rotor	11000rpm	12450xg	12*15ml
NO.9	Angle Rotor	10000rpm	11200xg	4*100ml
NO.10	Microplate	4000rpm	2300xg	2*2*48well

High Speed Refrigerated Centrifuge



Features:

- Programmable microprocessor control(AC brushless motor) with touching panel, LCD&LED display of speed, RCF, time and temperature, conversion of RPM/RCF
- CFC-free refrigeration, fast cool function for rapid cooling, cycle defrost system is available
- High-quality steel, stainless steel centrifugal chamber and lid
- Fan-forced air circulation system for fast recovery of temperature
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models. Fast acceleration and deceleration profile
- Electronic lock lid and interlock safety provision, auto lock rotor system
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- Memory-based programmed operation. inching function, transient centrifuging

Technical Parameters:

Model	BK-THR21K	BK-THR25K
Max Speed	21000rpm	25000rpm
Speed Precision	± 20rpm	± 20rpm
Max RCF	48900xg	64800xg
Max Capacity	6*500ml	6*500ml
Temperature Range	- 20 ~ 40℃	- 20 ~ 40℃
Temperature Precision	± 1℃	± 1℃
Timing Range	0 ~ 99h59min59s	0 ~ 99h59min59s
Noise	≤ 58dB	≤ 58dB
Power supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	4KW	4KW
External Size(W*D*H)	810*720*1220mm	810*720*1220mm
Net Weight	320kg	320kg

Rotors for BK-THR21K:

NO	Rotor	Max speed	Max RCF	Capacity
NO.1	Angle Rotor	21000rpm	48900xg	16*1.0/1.5ml
NO.2	Angle Rotor	20000rpm	43000xg	6*50ml
NO.3	Angle Rotor	15000rpm	27870xg	8*50ml
NO.4	Angle Rotor	12000rpm	19800xg	8*100ml
NO.5	Angle Rotor	14000rpm	26800xg	4*250ml
NO.6	Angle Rotor	11000rpm	19300xg	4*300ml
NO.7	Angle Rotor	12000rpm	22470xg	6*300ml
NO.8	Angle Rotor	8000rpm	11680xg	6*500ml
NO.9	Continuous Rotor	14000rpm	21500xg	1000ml
NO.10	Microtiter plate	4000rpm	2300xg	2*2*96well
NO.11	Swing rotor	4000rpm	3160xg	32*15ml
NO.12	Swing rotor	5000rpm	5470xg	4*500ml
NO.13	Swing rotor	5000rpm	4390xg	4*50ml
NO.14	Swing rotor	4000rpm	2950xg	8*50ml

Rotors for BK-THR25K:

NO	Rotor	Max speed	Max RCF	Capacity
NO.1	Angle Rotor	25000rpm	64800xg	24*2.2/1.5ml
NO.2	Angle Rotor	23000rpm	60460xg	18*2.2/1.5ml
NO.3	Angle Rotor	20000rpm	46420xg	8*50ml
NO.4	Angle Rotor	16000rpm	38070xg	4x250/300mm
NO.5	Angle Rotor	13000rpm	19800xg	8*100ml
NO.6	Angle Rotor	10000rpm	17700xg	6*500ml
NO.7	Continuous Rotor	16000rpm	28100xg	1000ml
NO.8	Microtiter plate	4000rpm	2380xg	2*2*96 well
NO.9	Swing rotor	4000rpm	3160xg	32x15ml
NO.10	Swing rotor	5000rpm	5470xg	4*500ml
NO.11	Swing rotor	5000rpm	4390xg	4*50ml

Large Capacity Refrigerated Centrifuge



BK-LLR6K

Features:

- Programmable microprocessor control(AC brushless frequency motor) with touching panel, LCD & LED display of speed, RCF, time and temperature, conversion of RPM/RCF.
- CFC-free refrigeration, Fast cool function for rapid cooling, cycle defrost system is available.
- High-quality steel, stainless steel centrifugal chamber and lid.
- Fan-forced air circulation system for fast recovery of temperature.
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models. Fast acceleration and deceleration profile
- Electronic lock lid and interlock safety provision
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally

Technical Parameters:

Model	BK-LLR6K
Max Speed	6000rpm
Speed Precision	±20rpm
Max RCF	6680xg
Max Capacity	6*1000ml
Temperature Range	-20 ~ 40℃
Temperature Precision	±1℃
Timing Range	0 ~ 59h59min59s
Noise	≤ 58dB
Power Supply	AC220V, 50Hz
Consumption	4KW
External Size	830*720*1250mm
Net Weight	268kg



Rotors for BK-LLR6K:

NO	Rotor	Max Speed	Max RCF	Capacity
NO.1	Angle Rotor	6000rpm	5650xg	6*300ml
NO.2	Angle Rotor	6000rpm	6680xg	6*500ml
NO.3	Swing rotor (Round cup)	4200rpm	5100xg	6*1000ml
NO.4	Swing rotor (Square cup)	4200rpm	5100xg	6*1000ml

Large Capacity Refrigerated Centrifuge

Large capacity centrifuge, which widely used in blood bank, pharmacy and biological products and so on.

Features:

- Programmable microprocessor control(AC brushless frequency motor) with touching panel, LCD & LED display of speed, RCF, time and temperature, conversion of RPM/RCF
- CFC-free refrigeration, fast cool function for rapid cooling, cycle defrost system is available
- High-quality steel, stainless steel centrifugal chamber and lid
- Fan-forced air circulation system for fast recovery of temperature
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models. Fast acceleration and deceleration profile
- Electronic lock lid and interlock safety provision
- Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- Memory-based programmed operation, inching function, transient centrifuging



BK-LLR8K



Technical Parameters:

Model	BK-LLR8K
Max Speed	8000rpm
Speed Precision	±20rpm
Max RCF	12160xg
Max Capacity	6*2400ml
Temperature Range	-20 ~ 40℃
Temperature Precision	±1℃
Timing Range	0 ~ 99h59min59s
Noise	≤ 58dB
Power Supply	AC220V, 50Hz
Consumption	4.75KW
External Size(W*D*H)	960 × 860 × 1200mm
Net Weight	500kg

Rotors for BK-LLR8K:

NO	Rotor	Max Speed	Max RCF	Capacity
NO.1	Swing rotor	8000rpm	11680xg	6*500ml
NO.2	Angle Rotor	7200rpm	12160xg	6*1000ml
NO.3	Swing rotor	4500rpm	7000xg	6*2400ml
NO.4	Swing rotor	4000rpm	5000xg	6*2*1000ml

Low Speed Large Capacity Centrifuge



BK-LL5K



BK-TLL5K



Features:

- Programmable microprocessor control(AC brushless motor) with touching panel, LCD display of speed, RCF, time and temperature, conversion of RPM/RCF
- High-quality steel, stainless steel centrifugal chamber and lid
- Fan-forced air circulation system for fast recovery of temperature
- Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system
- 10 procedures of adjustable rise-and- fall speed from grad 0 to 9 and 40 kinds of self-defining models, fast acceleration and deceleration profile
- Electronic lock lid and interlock safety provision, auto lock rotor system
- Alarm: lid open, imbalance, over speed and rotor mounting abnormally
- Memory-based programmed operation. inching function, transient centrifuging

Technical Parameters:

Model	BK-LL5K	BK-TLL5K(Table top type)
Max Speed	6000rpm	5500rpm
Speed Precision	± 20rpm	± 20rpm
Max RCF	6680xg	5310xg
Max Capacity	4*500ml	4*750ml
Timing Range	0 ~ 99min	0 ~ 99h59min59s
Noise	≤ 58dB	≤ 58dB
Power Supply	AC220V, 50Hz	AC220V, 50Hz
Consumption	2.5KW	2.5KW
External Size(W*D*H)	490*620*720mm	800*700*400mm
Net Weight	90kg	110kg

Rotors for BK-LL5K:

NO	Rotor	Max Speed	Max.RCF	Capacity
NO.1	Angle Rotor	6000rpm	6680xg	12*10ml
	Swing Rotor	5000rpm	4390xg	4*100ml
				4*2*100ml
				4*4*10ml
				4*6*10ml
				4*8*10ml
				4*4*15ml
				4*6*15ml
				4*8*15ml
		4000rpm	3500xg	4*50ml
		5000rpm	4390xg	4*2*50ml
NO.2	Multiple Pipe	4000rpm	3500xg	4*250ml
NO.3	Swing Rotor	4000rpm	3500xg	4*500ml
NO.4	Swing Rotor	4000rpm	3580xg	4*12*7/5ml
NO.5	Swing Rotor	4000rpm	2800xg	4*18*7/5ml
NO.6	Swing Rotor	4000rpm	2800xg	4*24*7/5ml
NO.7	Swing Rotor	4000rpm	2800xg	4*30*7/5ml
NO.8	Swing Rotor	4000rpm	3200xg	4*37*7/5ml
NO.9	Swing Rotor	4000rpm	3200xg	4*12*7/5ml
NO.10	Swing Rotor (Automatic Uncap)	4000rpm	3500xg	4*18*7/5ml
NO.11	Swing Rotor (Automatic Uncap)	4000rpm	3500xg	4*24*7/5ml
NO.12	Swing Rotor (Automatic Uncap)	4000rpm	3580xg	2*2*96well
NO.13	Microplate	4000rpm	2300xg	2*48well
NO.14	Microplate	4000rpm	2300xg	

Rotors for BK-TLL5K:

NO	Rotor	Max Speed	Max.RCF	Capacity
	Swing Rotor	5000rpm	4390xg	4*100ml
				4*2*100ml
				4*4*10ml
				4*6*10ml
				4*8*10ml
				4*4*15ml
				4*6*15ml
				4*8*15ml
		4000rpm	3500xg	4*50ml
		5000rpm	4390xg	4*2*50ml
NO.1	Multiple Pipe	4000rpm	3500xg	4*250ml
NO.2	Swing Rotor	4000rpm	3580xg	4*500ml
NO.3	Swing Rotor	4000rpm	3580xg	4*750ml
NO.4	Swing Rotor	4000rpm	2800xg	4*12*7/5ml
NO.5	Swing Rotor	4000rpm	2800xg	4*18*7/5ml
NO.6	Swing Rotor	4000rpm	2800xg	4*24*7/5ml
NO.7	Swing Rotor	4000rpm	2800xg	4*30*7/5ml
NO.8	Swing Rotor	4000rpm	3200xg	4*37*7/5ml
NO.9	Swing Rotor	4000rpm	3200xg	

Mini Centrifuge

Advantages:

- Humanization design, switch control for cover
- Timing function
- Completely transparent cover
- Rotor with 8 position, the RCF is 1.5 times than normal rotor
- Auto stop working when cover opens during running and restart running after cover closed
- Convex type switch by which to control centrifuge, easy to use
- Unique rotor clip design, easy to install and replace
- Large LED display, indicate speed and set time
- Low noise, stable running
- Adopt long life motor, very reliable
- Small size, very deft
- The mini centrifuge is suitable for many experiments



Technical Parameters:

Model	MINI-4K	MINI-6K	MINI-7K	MINI-10K	MINI-10K+
Max speed	4000rpm	6000rpm	7000rpm	10000rpm	AdjustableMax 10000rpm
Max RCF	1350xg	3000xg	6000xg	7500xg	Adjustable
Rotor No.1	8*1.5ml/0.5ml/0.2ml				
Rotor No.2	2*8*0.2ml PCR centrifugal tube		\		2*8*0.2ml PCR centrifugal tube(speed ≤ 6000rpm)
Noise	≤ 45dB		≤ 5dB		
External Size(W*D*H)	175*156*125mm				
Net Weight	≤ 1.4kg				

Mini High Speed Centrifuge

Model	MINI-15K
Speed Range	800~15000r/min
Max RCF	15100xg
Capacity	12 * 1.5ml/2.0ml
Timing Range	15s ~99min
Power Supply	AC85V~240V, 50/60Hz
Consumption	85W
External Size(W*D*H)	23 * 22 * 13cm
N.W./G.W	3.8KG/12KG
Package Size(W*D*H)	58 * 34 * 28cm



Three Speed Mini Centrifuge

Model	MINI-4610K	MINI-4610KII
Speed Range	4000rpm/6000rpm/1000rpm	
Max. RCF	770xg/1700xg/4800xg	
No.1 Angle Rotor	6*2.0ml/1.5ml/0.5ml/0.2ml	
No.2 Angle Rotor	2*8*0.2ml	
Power Supply	AC100V~240V, 50/60Hz	DC 12V
External Size(W*D*H)	17*15*13cm	



Three Speed Mini Centrifuge

Model	MINI-4KH	MINI-6KH	MINI-10KH
Max Speed	4000rpm	6000rpm	10000rpm
Max RCF	770xg	1700xg	4800xg
No.1 Angle Rotor	6*2.0ml/1.5ml/0.5ml/0.2ml		
No.2 Angle Rotor	2*8*0.2ml		
Power Supply	AC 100V~240V, 50/60Hz		
External Size(W*D*H)mm	17*15*13cm		
Package size(W*D*H)mm	44*40*36cm		
Gross Weight	6kg		



Centrifuge

Introduction	Picture	Technical Parameters
Model: LC-HD Handle-centrifuge can use for chemical, biological laboratories and hospital laboratories to do the centrifuge test.		Capacity:4*15ml Package size: 55*40*32cm / 16pcs G.W: 20kg
Model: LC-4K Low weight, large capacity, low noise and so on. It is an ideal instrument for hospitals, labs to make qualitative analysis to serum, plasma, radio-immunity.		Max. speed:4000rpm, step adjusted speed Capacity:20ml*6 Max. RCF:1790xg Package size: 28*28*29cm G.W: 4kg
Model: LC-4KII It can be used to make qualitative analysis and biochemistry labs widely		Max. speed:4000rpm, step adjusted speed Capacity:20ml*6 Max. RCF:1790xg Timer: 0~60min Package size: 28*28*29cm G.W: 4kg
Model: LC-4K-1 It can be used to make qualitative analysis and biochemistry labs widely.		Max. speed:4000rpm, step adjusted speed Capacity:20ml*6 Max.RCF:1790xg Time range:0~60min With safety switch Package size: 33*31*29cm G.W: 6.5kg
Model:LC-4K-2 It can be used to make qualitative analysis and biochemistry labs widely.		Max. speed: 4000rpm, step adjusted speed Capacity:20ml*12 Max. RCF:2325xg Time range:0~60min With safety switch Package size: 38*33*31cm G.W: 9kg

Introduction	Picture	Technical Parameters
Model: LC-5K Controlled by computer and driven by inverter motor. Electronic lock. It covers a wide range of application in scientific research institute of biology, chemistry, medicine, pharmacy, food and environment protection. This model also is good to separate plasma or other suspension liquid. With mechanical lock.		Max. speed: 5000r/min, digital display speed Max. RCF: 3600xg Capacity: 12*20ml Time range: 0 ~ 30min Package size: 35*36*34cm G.W: 10kg
Model: LC-4KB The frame is made of high strength plastic. Small cubage, low weight, large capacity, low noise, high efficiency and so on. It can be used in hospitals and biochemical labs for qualitative analysis of serum, urea and plasma. door switch		Max. speed:4000r/min, pointer show speed Max.RCF:2325xg Capacity:12*20ml Time range:0 ~ 30min Package size:35*36*34cm G.W:10kg
Model: LC-4KC It has steady performance. It has the characteristics of large capacity, low noise, low temperature rise, beautiful appearance. This centrifuge is controlled by computer and driven by brushless motor and easy to operate. It covers a wide range of application in scientific research institute of biology, chemistry, medicine, pharmacy, food and environment protection. This model also is good to separate plasma or other suspension liquid. With mechanical lock		Max. Speed:4000rpm Max. RCF:2325xg angle rotor capacity: 20ml*12 Time range:0~99min Package size:35*36*34cm G.W: 10kg
Model: LC-T4K This machine has easy structure, operated conveniently, with safety switch, it is used widely in hospital, bio-chemistry lab, making determination analyzing to blood serum and so on. With safety switch		Rotating speed range: starting~4000 rpm, Capacity:8 × 20ml Timing range:0~30min Max.RCF:2325 × g Package size:38*33*31cm G.W: 9kg
Model: LC-H4K This pivot, gate used high strength project plastic made, with safety switch, beautiful sculpt, low noise, high efficiency, can be used in hospital widely, bio-chemistry lab, making determination analyzing to blood serum and so on. With mechanical lock		Rotating speed range: starting ~4000 rpm, pointer show speed Capacity: 10ml*12 Clocking range:0~30min centrifugal force:2325*g Package size:35*36*34cm G.W:10kg

BIOBASE Laboratory Balance

BA-C Automatic Electronic Analytical Balance (Internal Calibration)

Features

- Humanized design, novel design and five-side full-transparent windshield.
- Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- The adoption of ultra-large digital integrated printed circuit board guarantees high product precision. The adoption of twin-cam mechanism realizes advantageous function of automatic internal calibration which makes product faster and more stable.
- Application programs such as "Warming", "Calibration", and "Screen Saver".
- Ultra-large backlight LCD display brings clearer and more comfortable visual sense to operator.



Functions

- Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- Built-in automatic calibration guarantees easier, faster, stable and accurate operation of balance.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- Built-in lower weighing hook guarantees convenient use.

Technical Parameters:

Model	Range	Precision	Scale Size	Net Weight	External Size	Package Size	Work Space Height	Calibration
BA604C	0~60g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA1004C	0~100g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA1204C	0~120g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA1604C	0~160g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA2004C	0~200g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA2204C	0~220g	0.1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA1003C	0~100g	1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA2003C	0~200g	1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA3003C	0~300g	1mg	90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal

Standard Accessories

Balance body, scale, adapter, user manual, quality certification, dust guard, cleaning cloth, tweezers and brush.

BA-B Series Electronic Analytical Balance(External Calibration)

Features

- Humanized design, novel design and five-side full-transparent windshield.
- A new-generation electromagnetic balance weighing sensor guarantees high precision.
- Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- Ultra-large backlight LCD display brings clearer and more comfortable visual sense to operate.



Functions

- Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- Built-in lower weighing hook guarantees convenient use.

Technical Parameters:

Model	Range	Readable Precision	Scale Size	Net Weight	External Size	Package Size	Work Space Height	Calibration
BA504B	0~50g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA604B	0~60g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA1004B	0~100g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA1104B	0~110g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA1204B	0~120g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA1604B	0~160g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA2004B	0~200g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA2204B	0~220g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA2104B	0~210g	0.1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA2104S	0~60g 60~210g	0.1mg / 1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal

Standard Accessories

Balance body, scale, adapter, user manual, quality certification, standard weights, dust guard, cleaning cloth, tweezers and brush.

BP-B Series Electronic Precision Balance

Features

- Humanized design, novel design and five-side full-transparent windshield. A new-generation electromagnetic balance weighing sensor guarantee high precision.
- Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- Large back-lighted LCD makes the operator more comfortable.
- Built-in lower weighing hook guarantees convenient use.



Functions

- Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- Built-in lower weighing hook guarantees convenient use.

Technical Parameters:

Model	Range	Precision	Scale Size	Net Weight	External Size	Package Size	Work Space Height	Calibration
BP1003B	0~100g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP1203B	0~120g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP2003B	0~200g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP3003B	0~300g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP4103B	0~410g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP5003B	0~500g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal

Standard Accessories

Balance body, scale, adapter, user manual, quality certification, standard weights, dust guard, cleaning cloth, tweezers and brush.

BP Series Electronic Precision Balance

Functions

- Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.



Technical Parameters:

Model	Range	Precision	Scale Size	Net Weight	External Size	Package Size
BP1003P	0~100g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm
BP2003P	0~200g	1mg	80mm	6.8kg	350*215*340mm	480*375*515mm
BP10003	0~1000g	1mg	110mm	6kg	350*215*340mm	480*375*515mm
BP12002	0~1200g	10mg	160mm	6kg	350*215*115mm	416*286*208mm
BP21002	0~2100g	10mg	160mm	6kg	350*215*115mm	416*286*208mm
BP31002	0~3100g	10mg	160mm	6kg	350*215*115mm	416*286*208mm
BP21001	0~2100g	100mg	160mm	6kg	350*215*115mm	416*286*208mm
BP31001	0~3100g	100mg	160mm	6kg	350*215*115mm	416*286*208mm
BP41001	0~4100g	100mg	160mm	6kg	350*215*115mm	416*286*208mm
BP51001	0~5100g	100mg	160mm	6kg	350*215*115mm	416*286*208mm
BP61001	0~6100g	100mg	160mm	6kg	350*215*115mm	416*286*208mm

Standard Accessories

Balance body, scale, adapter, user manual, quality certification, standard weights, dust guard, cleaning cloth and brush.

BE Series Electronic Balance

Features

- AC/DC exchangeable, balance level, backlight LCD display, rapid weighing response and high stability.
- Sensor adopts unique locking device, which guarantees protection of balance during transportation.



Scale size: 300*120*160mm



Scale size: 165*165mm



Scale size: Φ125mm

Functions

- System operations: including auto-counting, percentage, automatic calibration, multi-point calibration, standard weights (optional)
- Multiple functions guarantee easy and reliable operation, including unit conversion (metric carat, gold ounce, etc.), stability, memory, full-scale faring.
- Built-in RS232C output interface guarantee direct connection to external equipment such as computer and printer.

Technical Parameters

Model	Range	Precision	Scale Size	Net Weight	External Size	Package Size	Power Supply
BE1002	0~100g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE2002	0~200g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE3002	0~300g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE4002	0~400g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE5002	0~500g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE6002	0~600g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE10002	0~1000g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE20002	0~2000g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE30002	0~3000g	10mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE2001	0~200g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE4001	0~400g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE5001	0~500g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE6001	0~600g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE8001	0~800g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE10001	0~1000g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE16001	0~1600g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE20001	0~2000g	100mg	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE30001	0~3000g	100mg	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE40001	0~4000g	100mg	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE50001	0~5000g	100mg	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE60001	0~6000g	100mg	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE80001	0~8000g	100mg	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE100001	0~10000g	100mg	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE150001	0~15000g	100mg	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE200001	0~20000g	100mg	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE300001	0~30000g	100mg	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE1000	0~1000g	1g	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE2000	0~2000g	1g	Φ125mm	1kg	250*180*60mm	325*245*152mm	AC/DC
BE3000	0~3000g	1g	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE6000	0~6000g	1g	165*165mm	1.3kg	250*180*60mm	325*245*152mm	AC/DC
BE10000	0~10000g	1g	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE15000	0~15000g	1g	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE20000	0~20000g	1g	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC
BE30000	0~30000g	1g	255*190mm	3.2kg	300*120*160mm	356*310*165mm	AC/DC

BE-F Series Large Scale Electronic Balance



Features

- Unique appearance design allows high stability; backlight LCD display brings more comfortable visual sense to operator.
- Built-in RS232C output interface; AC/DC exchangeable.

Functions

- Multiple functions including unit conversion, auto-counting, percentage, multi-point calibration, memory and animal weights.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.

Technical Parameters:

Model	Range	Precision	Scale Size	External Size	Package Size	Power Supply
BE40000F	0~40000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE50000F	0~50000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE60000F	0~60000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE100000F	0~100000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE150000F	0~150000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE200000F	0~200000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE300000F	0~300000g	1g	300*400mm	530*300*680mm	840*470*220mm	AC/DC
BE50000-10F	0~50000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE60000-10F	0~60000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE100000-10F	0~100000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE150000-10F	0~150000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE200000-10F	0~200000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE300000-10F	0~300000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE500000-10F	0~500000g	10g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE100000-50F	0~100000g	50g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE150000-50F	0~150000g	50g	500*400mm	530*300*680mm	840*470*220mm	AC/DC
BE200000-50F	0~200000g	50g	500*400mm	530*300*680mm	840*470*220mm	AC/DC

BM-50 Series Digital Rapid Moisture Meter

Features

- Dot-matrix LCD
- Convenient and quick operating
- Outstanding performance
- Standardly featured RS communication interface
- Quick heating



Technical Parameters

Model	BM-50-10	BM-50-5	BM-50-1
Range	50g	50g	50g
Readable Precision	0.01g	0.005g	0.001g
Moisture Accuracy	0.3%	0.2%	0.1%
Scale Size	90mm	90mm	90mm
Temp Range	50~180℃	50~180℃	50~180℃
Ambient Temp	10~30℃	10~30℃	10~30℃

BM-10A Digital Rapid Moisture Meter

Function

It is used to rapidly test free moisture in specimen of chemicals, grains, minerals, biological products, food, pharmaceutical material, paper and textile materials.



Technical Parameters:

Model	BM-10A
Range	10g
Timing Range	0~250min
Value of Differential Scale Division	5mg
Temp Precision	± 2℃
Range of Differential Scale Reading	0~1g
Diameter	ø100mm
Moisture Precision	± 0.2%
Temperature Range	60~160℃
Net Weight	12kg
External Size	280*375*560mm
Package Size	410*315*655mm

BA-D Electronic Density (Specific Gravity) Balance



Features

- Direct reading of density value, easy and fast operation.
- Humanized design, novel design and five-side full-transparent windshield. A new-generation electromagnetic balance weighting sensor guarantees high precision. Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
- Application programs such as "warming", "calibrating" and "screen saver".
- Ultra-large backlight LCD display brings clearer and more comfortable visual sense to operator.

Functions

- Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
- Built-in automatic calibration guarantees easier, faster, stable and accurate operation of balance.
- Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
- Built-in lower weighing hook guarantees convenient use.

Technical Data

1. Plumb bob discharging capacity: 5cm³
2. Proportion standard: 1.0000/1.000 for pure water at 20°C Liquid proportion range: 0~2.0000/0~2.000
3. Accuracy: 0.0001/0.001

Technical Parameters:

Model	Range	Precision	Scale Size	External Size	Work Space Height	Net Weight
BA2104D	0 ~ 210g	0.1mg	φ 90mm	350*215*340mm	240mm	6.8kg
BA2004D	0 ~ 200g					
BA1004D	0 ~ 100g					
BA5003D	0 ~ 500g	1mg				
BA3003D	0 ~ 300g					

BA-5D Liquid Density (Specific Gravity) Balance (Westphal Balance)

Features

- The adoption of agate cushion guarantee good flexibility and accuracy of the balance.
- Substantially package is used for good portability and easy operation.
- Key parts are made of stainless steel with high intensity and good stability.

Technical Parameters:

Model	BA-5D
Specific Gravity Range	0~2.000
Standard	1.00 for the pure water in temperature of 20°C
Plumb Bob Discharging Capacity	5cm ³
Precision	0.001
External Size	215*90*262mm
Package Size	255*186*133mm
Net Weight	1.5kg



Electronic Density (Specific Gravity) Balance



Technical Parameters:

Model	BA-100D	BA-200D
Max Range	100g	200g
Min Range	10mg	
Fixed Support	H=203mm	
Scale Size	Φ110mm	
Output	RS232C	
Net Weight	1kg	
External Size	250*180*246mm	
Package Size	335*255*252mm	
Accessories	Measuring platform, measuring cup, fixed support, thermometer, doublehook weights, platinum wire, plumb bob, wire basket, balance body, adaptor and standard weights.	

Hydrostatical Electron Balance

Functions

- Rich and powerful functions such as automatic calibration, full-sale faring, zero-memory, unit conversion, auto-counting and percentage.
- AC/DC exchangeable, output interface.

Technical Parameters:

Model	Range	Precision	Weighing Method	Net Weight	External Size	Package Size	Power Supply
BH-50002	5000g	0.1g	Weighing Bellow	6.82kg	350*215*340mm	480*375*515mm	AC/DC
BH-20002	2000g	0.1g	Weighing Bellow	6.82kg	350*215*340mm	480*375*515mm	AC/DC



BT Series Precision Torsion Balance

Features

- It is mainly applied to high precision measurement of trace substance.
- Principle of elastic element combination, no-fulcrum mechanical abrasion and high flexibility.
- No weighing-loading during operation but directly read measurement data.
- Easy operation and rapid display.

Technical Parameters:

Model	Range	Precision	Net Weight	External Size	Package Size
BT-5	5mg	0.01mg	5kg	250*210*360mm	380*325*525mm
BT-10	10mg	0.02mg	5kg	250*210*360mm	250*210*360mm
BT-25	25mg	0.05mg	5kg	250*210*360mm	250*210*360mm
BT-50	50mg	0.1mg	5kg	250*210*360mm	250*210*360mm
BT-100	100mg	0.2mg	5kg	250*210*360mm	250*210*360mm
BT-250	250mg	0.5mg	5kg	250*210*360mm	250*210*360mm
BT-500	500mg	1mg	5kg	250*210*360mm	250*210*360mm
BT-1000	1000mg	2mg	5kg	250*210*360mm	250*210*360mm
BT-2500	2500mg	5mg	5kg	250*210*360mm	250*210*360mm



Ultrasonic Cleaner

Single Frequency Type

Features:

- Digital display, easy operation for time and temperature
- Temperature control range: 0~80°C
- Time setting range: 1~30 min & 1~480min
- Fully microprocessor controlled and programmable
- Reliable Industrial-Grade Transducer
- High capacity and quality stainless steel tank
- Stainless steel basket and lid



Technical Parameters:

Model	External Size L*W*H(mm)	Tank Size L*W*H (mm)	Capacity (L)	Ultrasonic Frequency (KHz)	Ultrasonic Power (W)	Heating Power (W)	Time Range(min)
UC-08A	180*170*140	150*140*65	1.3	40	60	50	1~30
UC-10A	180*170*180	150*140*100	2		80	50	
UC-20A	270*170*210	240*135*100	3		120	100	
UC-30A	330*180*270	300*150*150	6		180	200	
UC-40A	330*270*270	300*240*150	10		240	250	
UC-50A	330*270*320	300*240*200	14		300	400	
UC-60A	360*330*270	330*300*150	15		360	400	
UC-70A	360*330*320	330*300*200	19		420	600	
UC-80A	550*330*270	500*300*150	22		480	600	
UC-100A	550*330*320	500*300*200	30		600	800	
UC-5S	208*192*210	150*140*100	2	80	50	200	1~480
UC-10S	320*174*280	300*150*100	4		100	600	
UC-20S	320*174*340	300*150*150	6		200	600	
UC-20SII	410*350*380	300*150*180	8		200	600	
UC-30S	320*264*340	300*240*150	10		300	600	
UC-30SII	640*350*400	300*240*180	13		300	400	
UC-50S	840*410*400	500*300*180	27		500	800	
UC-60S	840*410*400	500*300*180	27		500	800	
UC-70S	840*410*410	500*300*180	27		500	800	

Double Adjustable Frequencies Type

Features:

- Digital display, easy operation for time and temperature
- Temperature control range: 0~80°C
- Time setting range: 1~480 min
- Fully microprocessor controlled and programmable
- Reliable Industrial-Grade Transducer
- Over-voltage and over-current protection
- Low-level water protection
- High capacity and quality stainless steel tank
- Stainless steel basket and lid



Technical Parameters:

Model	External Size L*W*H(mm)	Tank Size L*W*H (mm)	Capacity (L)	Adjustable Ultrasonic Frequency (KHz)	Ultrasonic Power (W)	Heating Power (W)	Temp Range (°C)
UC-30SDG	640*350*400	300*240*180	13	45	80	300	0~80
UC-50SD	840*410*400	500*300*180	27			500	
UC-60ST	810*410*400	500*300*180	27			600	
UC-70ST	840*410*410	500*300*180	27			700	
UC-10SD	260*160*280	230*140*100	3			100	
UC-10SDII	340*250*330	230*140*130	4			100	
UC-20SD	320*174*340	300*150*150	6			200	
UC-20SDII	410*260*380	300*150*180	8			200	
UC-30SD	320*264*340	300*240*150	10			300	
UC-30SDII	410*350*380	300*240*180	13			300	

Three Adjustable Frequencies Type

Features:

- Digital display, easy operation for time and temperature
- Temperature control range: 0~80°C
- Time setting range: 1~480 min
- Fully microprocessor controlled and programmable
- Reliable Industrial-Grade Transducer
- Over-voltage and over-current protection
- Low-level water protection
- High capacity and quality stainless steel tank



Technical Parameters:

Model	External Size L*W*H(mm)	Tank Size L*W*H (mm)	Capacity (L)	Adjustable Ultrasonic Frequency(KHz)			Ultrasonic Power (W)	Heating Power(W)	Temp Range(°C)
UC-10ST	260*160*280	230*140*100	3	45	80	100	100	400	0~80
UC-10STII	340*250*330	230*140*130	4				100	400	
UC-20ST	320*174*340	300*150*150	6				200	400	
UC-20STII	410*260*380	300*150*180	8				200	400	
UC-30ST	320*264*340	300*240*150	10				300	400	
UC-30STII	640*350*400	300*240*180	13				300	400	
UC-50STII	840*410*400	500*300*180	27				500	800	
UC-60STII	810*410*400	500*300*180	27				600	800	
UC-70STII	840*410*410	500*300*180	27				700	800	
UC-100ST	1260*540*900	600*300*400	72				1000	4000	
UC-100STII (motorized)	1260*540*900	600*300*400	72	45	80	100	1000	4000	0~80
UC-200ST	1560*740*900	800*500*400	160				2000	8000	
UC-200STI (motorized)	1560*740*900	800*500*400	160				2000	8000	

Pocket PH Tester

Features

1. Multi-point push-button calibration with auto-buffer recognition (Up to 3 points).
2. Selectable pH buffer standards. USA or NIST and temperature units l'C or 'f).
3. Automatic Temperature Compensation provides highly accurate measurements over the entire pH range.
4. Hold function freezes the current displayed value for easy viewing and recording.
5. Auto power off feature help you effective~ conserve battery life.
6. Setup menu let user to customize the pH buffer standards, calibration points and temperature units to meet personal preferences.
7. Replaceable electrode reduce maintenance and replacement costs.
8. Waterproof feature to ensure complete protection in harsh environments.



Application

S series testers are equipped with a standard pH electrode (Circular glass bulb) used to measure the pH of non-viscous, non-high temperature liquids, e.g., tap water, drinking water, rainwater, etc.

F series testers are equipped with a flat surface pH electrode used to measure the pH of semisolid substances, e.g., fruits, bread, creams, etc.

L series testers are equipped with a long-reach pH electrode used to measure the liquids in the test tube.

PH40 tester is equipped with a standard BNC connector, which can use any pH electrode with BNC plug.

Meter Includes:

- Standard pH Buffers (pH4.01, 7.00, 10.01), Batteries and Carrying Case
- PH40 tester include a model E201-BNC standard pH electrode.

Technical Parameters:

Model	PH10S/F/L	PH20S/F/L	PH30S/F/L	PH40
pH Range	0.0~14.0pH	-1.00~15.00pH	-1.00~15.00pH	-1.00~15.00pH
pH Accuracy	± 0.1pH	± 0.01pH	± 0.01pH	± 0.01pH
Temperature Range	-----	----	0.0~60.0℃ , 32~140° F	----
Temp. Accuracy	----	----	± 1℃	----
Calibration Points	2 points	Up to 3 points		
pH Buffer Groups	USA (pH4.01, 7.00, 10.01)	USA (pH4.01, 7.00, 10.01) , NIST (pH4.01. 6.86, 9.18)		
Temp. Compensation	----	0~60℃ . 32~140° F. Automatic		0~100'C,32~212'F,Manual
Sensor Type	Standard pH electrode: Rat surface pH electrode: Long-reach pH electrode, 6-pin connector			BNC connector
Power Requirement	3* 1.5V "G13A" Batteries	2*1.5V "AAA' Batteries		
Auto-Off	After 8 minutes from last key press			
Dimensions	185(L)*40 (Dia.)mm			
Net Weight	100grams			

PH220/PH221 Portable pH/mV/°C /°F Meter



Features:

1. During pH mode, multipoint push-button calibration with auto-buffer recognition.
2. Selectable pH buffer standard IUSA, DIN, NIST or User-defined.
3. Automatically calculate and display electrode slope after calibration.
4. Calibration due reminder prompts you to calibrate the meter regularly.
5. During DRP mode, 1 point offset calibration allows user adjust displayed value to known standard.
6. Absolute or Relative mV measurement provide accurate DRP measured value.
7. Automatic Temperature Compensation ensures highly accurate measurement over the entire pH range.
8. Automatic endpoint function freezes the stable measured values for easy reading and recording data.
9. To help message as operational guide to help you understand how to use meter.
10. Setup menu lets user to customize pH buffer standards, calibration points, stability conditions of measurement, resolution, temperature units, date/time to meet personal preferences.
11. Expanded memory stores and recalls up to 500 readings.
12. Built-in real-time clock stamps stored data to meets GLP standards.
13. Stored data can be transferred into personal computer via USB communication Interface.

Technical Parameters:

Model	PH220	PH221
pH Range	-2.00~16.00pH	-2.000~20.000pH
pH Accuracy	±0.01pH	±0.002pH
mV Range	-1999~1999mV	-1999.9~1999.9mV
mV Accuracy	±1mV	±0.2mV
Calibration Points	2 points	Up to 5 points
Calibration Solutions	USA (pH4.01, 7.00, 10.01)	USA(pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75)
Tempe. Range	0~100° C, 32~212° F	0~105° C, 32~221° F
Temp. Accuracy	±1° C	±0.5° C, ±0.9° F
Temp. Calibration	Manual	
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual	0~100° C, 32~212° F, Automatic or Manual
Hold Function	Manual	Manual or Automatic
Memory and output	50 data sets with Date/Time stamping, USB Communication Interface	500 data sets with Date/Time stamping, USB Communication Interface
Connector	BNC	
Power Requirements	1*9V/800mA Battery	3*1.5V "AA" Batteries
Battery Life	Approximately 150 hours	
Dimensions	185(L)*88(W)*32(H)mm	170(L)*85(W)*30(H)mm
Net Weight	300g	

PH320 Portable pH/ORP/Ion/°C/°F Meter

Features:

1. Automatic endpoint function freezes the stable measured values for easy reading and recording data.
2. Calibration due reminder prompts you to calibrate the meter regularly.
3. Manual temperature calibration provide accurate temperature value.
4. Setup menu lets user customizes buffer standards, calibration points, stability conditions, resolution, measurement units, date and time to meet measurement requirements.
5. Reset function can resume all settings to factory default values.
6. Expanded memory stores and recalls up to 500 readings.
7. Built-in real-time clock stamps stored data to meet GLP standards.
8. Stored data can be transferred into computer via USB communication interface.

Technical Parameters:

Model	PH320
pH Range	-2.000~20.000pH
pH Accuracy	±0.002pH
Resolution	0.001, 0.01, 0.1pH, Selectable
Calibration Points	Up to 5 points
Calibration Solutions	USA(pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75)
Ion Concentration Range	0.001~19999ppm, mg/L or mol/L (Depending on measuring range of Ion Selective Electrode)
Ion Concentration Accuracy	±0.5% Full Scale (Monovalent), ±1% Full Scale (Divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Temp. Range	0~105° C, 32~221° F
Temp. Accuracy	±0.5° C, ±0.9° F
Temp. Calibration	Manual
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual
Auto-Off	Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable)
Hold Function	Manual or Automatic
Stability Conditions	Low or High, Selectable
Calibration due reminder	0 to 30 days
Reset Function	Yes
Memory	500 data sets with Date/Time stamping
Output	USB Communication Interface
Connector	BNC
Power Requirements	3*1.5V "AA" Batteries
Battery Life	Approximately 150 hours
Dimensions	170(L)*85(W)*30(H)mm
Net Weight	300g



PH900P Portable Multi-parameter Water Quality Meter

● pH Mode:

Up to 5 points push-button calibration with auto-buffer recognition.
Selectable pH buffer standards, resolution and temperature units.
Automatically calculates and displays electrode slope that helps you decide whether to replace pH electrode.

● ORP Mode:

Single point offset calibration allows user adjust displayed value to a known standard.
Absolute or Relative mV measurements provide accurate readings.

● Ion Mode:

Standard BNC connector can connect many Ion Selective Electrode.
2 to 5 points push-button calibration from low to high concentrations.
Selectable multiple concentration units, including ppm, mg/L, mol/L.
Direct readout ion concentration simplifies measurement process.
mV measurement allows user to check performance of ion electrode.

● Conductivity/TDS/Salinity Mode:

Up to 5-point push-button calibration allows user to use customized calibration solutions.
Adjustable TDS factors, cell constants, temperature coefficients and normalization temperature.
Selectable linear or pure water compensation modes.
In salinity measurement modes, selectable practical salinity (PSU) or seawater measurement standard (ppt).

● Dissolved Oxygen Mode:

1 or 2 points auto-calibration (100% in saturated air or air-saturated water, 0% in zero oxygen solution).
Manual salinity and barometric pressure compensation.
Selectable readout in ppm, mg/L or percentage saturation.

Technical Parameters:

Model	PH900P
pH Range	-2.000~20.000pH
pH Accuracy	±0.002pH
Resolution	0.001, 0.01, 0.1pH, Selectable
Calibration Points	Up to 5 points
Calibration Solutions	USA(pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75)
Ion Concentration Range	0.001~19999ppm, mg/L, mol/L (Depending on measuring range of Ion Selective Electrode)
Ion Concentration Accuracy	±0.5% Full Scale (Monovalent), ±1% Full Scale (Divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L



mV Range	-1999.9~1999.9mV
mV Accuracy	± 0.2mV
Resolution	0.1, 1mV, Selectable
Conductivity Range	0~20mS/cm (Max.200mS/cm)
Conductivity Accuracy	± 0.5% Full Scale
Calibration Points	Up to 5 points
Calibration Solutions	10uS/cm, 84uS/cm, 1413uS/cm, 12.88mS/cm, 111.8mS/cm
TDS Range	0~10ppt (Max. 20ppt, Depending on factor setting)
TDS Accuracy	± 1% Full Scale
TDS Factor	0.1~1.0 (Default 0.5)
Salinity Range	0~10ppt (Max.80ppt)
Salinity Accuracy	± 1% Full Scale
Salinity Measurement Modes	Practical Salinity (PSU) or Seawater Measurement Standard (ppt)
Resistivity Range	0~100MΩ
Resistivity Accuracy	± 1% Full Scale
Resolution	0.001, 0.01, 0.1, 1, Automatic
Temp. Coefficient	0.0~10.0% per ° C
Compensation Modes	Linear or Pure Water
Cell Constant	K=0.1, 1, 10, Selectable
Normalization Temperature	20° C or 25° C
Dissolved Oxygen Range	0.00~20.00mg/L or ppm
Resolution	0.01, 0.1mg/L, Selectable
Dissolved Oxygen Accuracy	± 0.2mg/L (Calibration and measurement under the conditions of same temperature)
% Saturation of Oxygen	0.0~200.0%
Accuracy	± 2.0%
Salinity Correction	0~50g/L
Pressure Correction	60.0~112.5kPa, 450~850mmHg
Temp. Range	0~105° C, 32~221° F
Temp. Accuracy	± 0.5° C, ± 0.9° F
Temp. Calibration	Manual
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual; DO Mode: 0~50° C, 32~122° F, Automatic
Auto-Off	Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable)
Hold Function	Manual or Automatic
Stability Conditions	Low or High, Selectable
Calibration due reminder	0 to 30 days
Reset Function	Yes
Memory and Output	500 data sets with Date/Time stamping , USB Communication Interface
Connector	BNC and 6-pin connector
Power Requirements	3*1.5V "AA" Batteries
Battery Life	Approximately 150 hours
Dimensions	170(L)*85(W)*30(H)mm
Net Weight	300g

PH210 Benchtop pH/mV/°C/°F Meter

Features:

1. Large backlit LCD display shows mode indicators and help messages.
2. Up to 3 points push-button calibration with auto-buffer recognition.
3. Selectable pH buffer standards and temperature units.
4. Automatically calculates and displays electrode slope after calibration.
5. Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire pH range.
6. Automatic endpoint function freezes the stable measured values for easy reading and recording data.
7. Manual temperature calibration provides accurate temperature value.
8. Help message as a operational guide to help you understand how to use meter.
9. Setup menu let user customize buffer standards, calibration points, temperature units, automatic or manual hold function, auto-off feature to meet personal preferences.
10. Reset function can resume all settings to factory default values.



Technical Parameters:

Model	PH210
pH Range	-1.00~15.00pH
pH Accuracy	± 0.01pH
mV Range	-1000~1000mV
mV Accuracy	± 1mV
Calibration Points	1, 2 or 3 points
Calibration Solutions	USA (pH4.01, 7.00, 10.01) or NIST (pH4.01, 6.86, 9.18)
Temp. Range	0~105° C, 32~221° F
Temp. Accuracy	± 1° C
Temp. Calibration	Manual
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual
Auto-Off	Manual or Automatic (180 minutes after last key pressed)
Hold Function	Manual or Automatic
Reset Function	Yes
Connector	BNC
LCD Display	Custom Dual-Display LCD (135*75mm)
Power Requirements	DC9V, using AC adapters, 220VAC/50Hz
Dimensions	210(L)*205(W)*75(H)mm
Net Weight	1.2kg

PH920/PH930 Precision pH/ORP/Ion/°C/°F Meter



Features:

1. During the pH mode, Up to 5 points push-button calibration with auto-buffer recognition.
2. Selectable pH buffer standards and temperature units.
3. Automatically calculate and display electrode slope after calibration
4. During ORP mode, Single point offset calibration allows user adjust displayed value to a known standard.
5. Absolute or Relative millivolt (R.mV) measurement provide accurate ORP readings.
6. During the ion mode, 2 to 5 points push-button calibration from low to high concentrations.
7. Selectable multiple concentration units, including ppm, mg/L and mol/L.
8. Direct readout ion concentration simplifies the elaborate measurement process.
9. Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire range.
10. Automatic endpoint function freezes the stable measured values for easy reading and recording data.
11. Calibration due reminder prompts you to calibrate the meter regularly.

Technical Parameters:

Model	PH920	PH930
pH Range	-2.000~20.000pH	
pH Accuracy	± 0.002pH	
Resolution	0.001, 0.01, 0.1pH, Selectable	
mV Range	-1999.9~1999.9mV	1
Ion Concentration Range	/	0.001~19999ppm, mg/L, mol/L (Depending on measuring range of Ion Selective Electrode)
Ion Concentration Accuracy	/	± 0.5% Full Scale (Monovalent), ± 1% Full Scale (Divalent)
mV Accuracy	± 0.2mV	/
Calibration Points	Up to 5 points	2 to 5 points
Calibration Solutions	USA(pH1.68/4.01/7.00/10.01/12.45), NI ST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75)	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm
Temp. Range	0~105° C, 32~221° F	
Temp. Accuracy	± 0.5° C, ± 0.9° F	
Temp. Calibration	Manual	
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual	Manual
Auto-Off	Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable)	0~100° C, 32~212° F, Automatic or Manual
Stability Conditions	Low or High, Selectable	
Calibration due reminder	0 to 30 days	
Reset Function	Yes	
Memory and Output	500 data sets with Date/Time stamping, and USB Communication Interface	
Connector	Connector	
LCD Display	Custom dual-display LCD (130*110mm)	
Power Requirements	DC5V, using AC adapters, 220VAC/50Hz	
Dimensions	210(L)*188(W)*60(H)mm	
Net Weight	1.2kg	

PH900 Multi-parameter Water Quality Meter

● pH Mode:

Up to 5 points push-button calibration with auto-buffer recognition.
Selectable pH buffer standards, resolution and temperature units.
Automatically calculates and displays electrode slope that help you decide whether to replace pH electrode.

● ORP Mode:

Single point offset calibration allows user adjust displayed value to a known standard.

Absolute or Relative mV measurements provide accurate readings

● Ion Mode:

Standard BNC connector can connect many Ion Selective Electrode.
2 to 5 points push-button calibration from low to high concentrations.
Selectable multiple concentration units, including ppm, mg/L, mol/L.
Direct readout ion concentration simplifies measurement process.
mV measurement allows user to check performance of ion electrode.

● Conductivity/TDS/Salinity Mode:

Up to 5-point push-button calibration allows user to use customized calibration solutions.
Adjustable TDS factors, cell constants, temperature coefficients and normalization temperature.
Selectable linear or pure water compensation modes.
In salinity measurement modes, selectable practical salinity (PSU) or seawater measurement standard (ppt).

● Dissolved Oxygen Mode:

1 or 2 points auto-calibration (100% in saturated air or air-saturated water, 0% in zero oxygen solution).
Manual salinity and barometric pressure compensation.
Selectable readout in ppm, mg/L or percentage saturation.



Technical Parameters:

Model	PH900
pH Range	-2.000~20.000pH
pH Accuracy	±0.002pH
Resolution	0.001, 0.01, 0.1pH, Selectable
Calibration Points	Up to 5 points
Calibration Solutions	USA(pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75)
Ion Concentration Range	0.001~19999ppm, mg/L, mol/L (Depending on measuring range of Ion Selective Electrode)
Ion Concentration Accuracy	±0.5% Full Scale (Monovalent), ±1% Full Scale (Divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
mV Range	-1999.9~1999.9mV

mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Conductivity Range	0~20mS/cm (Max.200mS/cm)
Conductivity Accuracy	±0.5% Full Scale
Calibration Points	Up to 5 points
Calibration Solutions	10uS/cm, 84uS/cm, 1413uS/cm, 12.88mS/cm, 111.8mS/cm
TDS Range	0~10ppt (Max. 20ppt, Depending on factor setting)
TDS Accuracy	±1% Full Scale
TDS Factor	0.1~1.0 (Default 0.5)
Salinity Range	0~10ppt (Max.80ppt)
Salinity Accuracy	±1% Full Scale
Salinity Measurement Modes	Practical Salinity (PSU) or Seawater Measurement Standard (ppt)
Resistivity Range	0~100MΩ
Resistivity Accuracy	±1% Full Scale
Resolution	0.001, 0.01, 0.1, 1, Automatic
Temperature Coefficient	0.0~10.0% per °C
Compensation Modes	Linear or Pure Water
Cell Constant	K=0.1, 1, 10, Selectable
Normalization Temperature	20° C or 25° C
Dissolved Oxygen Range	0.00~20.00mg/L or ppm
Resolution	0.01, 0.1mg/L, Selectable
Dissolved Oxygen Accuracy	±0.2mg/L (Calibration and measurement under the conditions of same temperature)
% Saturation of Oxygen	0.0~200.0%
Accuracy	±2.0%
Salinity Correction	0~50g/L
Pressure Correction	60.0~112.5kPa, 450~850mmHg
Temp. Range	0~105° C, 32~221° F
Temp. Accuracy	±0.5° C, ±0.9° F
Temp. Calibration	Manual
Temp. Compensation	0~100° C, 32~212° F, Automatic or Manual; DO Mode: 0~50° C, 32~122° F, Automatic
Auto-Off	Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable)
Hold Function	Manual or Automatic
Stability Conditions	Low or High, Selectable
Calibration due reminder	0 to 30 days
Reset Function	Yes
Memory and Output	500 data sets with Date/Time stamping, USB Communication Interface
Connector	BNC and 6-pin connector
Power Requirements	DC5V, using AC adapters, 220VAC/50Hz
LCD Display	Custom dual-display LCD (130*110mm)
Dimensions	210(L)*188(W)*60(H)mm
Net Weight	1.2kg

BKN-I/II Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)



BKN-II (Automatic)



BKN-I (Semi-automatic)

Features

1. Large array LCD display, touch key, easy to operate (Only for BKN-II).
2. Microprocessor control (BKN-II, manual & auto modes adjustable; BKN-I, manual mode).
3. Automatically control distill, add water, control water level and cut off water supply.
4. Various security protections: digestive system security device, steam generator water shortage alarm, water level detection fault alarm.
5. Instrument shell adopts specially made plastic spray steel. Working area adopts ABS anti-corrosive board, Avoid chemical reagent corrosion and mechanical surface damage, acid proof and alkali proof.
6. Once detected fault, controlling system will power off automatically.

Technical Parameters:

Model	BKN-II	BKN-I
Measure Variety	Foodstuff, feedstuff, grain, foods, dairy products, drink, soil, water, medicine, precipitate and chemical	
Sample Quantity	Solid:0.20~2.00g; Semisolid:2.00~5.00g; Liquid: 10ml~25ml	
Working Mode	Automatic and manual (without titration)	Semi-automatic
Data Storage	250 datum	/
Measure Range	0.1mgN~200mgN (mg nitrogen)	
Recovery Rate	100 ± 1% (relative error, include digestion process)	≥ 99% (relative error, including digestive process)
Repetition Rate	Relative standard deviation < ± 1%	
Working Hours	Distillation time: 5~15 minutes, the user can set automatically according to different samples.	
Cooling Water Consumption	3L /min (≥ 20℃)	
Power Supply	110/220V, 50/60Hz	
External Size	430*360*670mm	380*320*670mm
Net Weight	25Kg	20Kg

BKD-C/D Series Kjeldahl Digestion Furnace

1. Type C digestive furnace adopts quartz infrared heating pipe.
2. Type D digestive furnace adopts infrared heating and graphite conduction.



Technical Parameters:

Model	BKD-04C	BKD-04D	BKD-08C	BKD-08D	BKD-12C	BKD-20C
Heating Holes	4	4	8	8	12	20
Temp. Control	Digital					
Temp. Range	RT-600℃					
Temp.Accuracy	±1℃					
Heating Speed	30℃ /min					
Protection	Over pressure,over current,over heating protection					
Digest Time	60-90 min/batch (according to sample quantity)					
Digestion Tube Size	300ml					
Consumption	1000W		1500W		2000W	2500W
Power Supply	110/220V,50/60Hz					
Package Size(mm)	645*405*500		630*400*720		530*560*710	770*530*680

BKN-984 Automatic Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)

Features

1. Automatic kjeldahl distiller.
2. Manual or automatic mode changeover free.
3. 4.3 inch color screen.
4. Solutions adding are quantified.
5. Multi protection, safety door, tube position, cooling water testing, etc.
6. Self-trouble shooting functions for valves, pumps and sensors.
7. Tube and pipes automatic emptying.



BKN-984 (Automatic)

BKN-110/F Fully Automatic Kjeldahl Nitrogen Analyzer

Features

1. Built-in colorimetric titration device.
2. Two steam models, can adjust solutions adding's sequence for distillation and absorption special samples.
3. Touch screen used for operating and display.
4. Built-in printer, USB and series port for data outlet.
5. Samples' methods can be edited and store.
6. Almost features of BKN-984 plus.



BKN-110/F (Fully Automatic)

Technical Parameters:

Model	BKN-984	BKN-110	BKN-110F
Power Supply	110/220 V ± 10%, 50/60Hz		
Consumption	2000W		
Water Consumption	1.5L/Min		
Ambient Temp.	5 ~ 40℃		
Ambient Humidity	80%		
Net Weight	30kg	35kg	35kg
External Size	400*385*735mm	455*391*730mm	455*391*730mm
Measure Range	0.1mg~200mg		
Analysis Time	5 ~ 10min		
Recovery	≥ 99.5%		
Samples Available	Solid ≤ 6g; Liquid ≤ 16ml	Solid ≤ 5g; Liquid ≤ 20ml	
Burette Accurate	/	1.0 μ L/ step	1.0 μ L/ step
Reproducibility	/	± 0.5%	± 0.5%

Functions List	BKN-984	BKN110	BKN-110F
Variable Steam Generator	●	●	●
Cooling Water Pressure Monitor	●	●	●
Cooling Water Temp. Monitor		●	●
Automatic Alkali Solution Adding	●	●	●
Automatic Dilute Water	●	●	●
Auto Receiver Solution Adding	●	●	●
Tube Emptying	●	●	●
Removable Drain Tray	●	●	●
Safety Door	●	●	●
Tube On Position Sensor	●	●	●
Tube Replacement Sensor	●	●	●
Colorimetric Titration Device		●	●
Results Calculation		●	●
Result And Data Storing		●	●
Built-In Printer		●	●
Trouble Shooting Self-detecting Functions	●	●	●
Titration While Distillation			●

BKD-N Series Kjeldahl Digestion Furnace



BKD-20N

Technical Parameters:

Model	BKD-20N
Temp. Range	RT +5 ~450℃
Temp. Accuracy	± 1℃
Heating Method	Infrared heating and high-purity graphite conduction
Heating Insulation Method	Ceramic fiber and unique air duct insulation
Digestion Tube Capacity	280ml
Capacity Per Batch	20pcs/batch
Power Supply	110/220V ± 10%, 50/60Hz
Consumption	3600W
External Size	534*453*218mm
Net Weight	25Kg

BKN-983 Automatic Kjeldahl Nitrogen Analyzer(Kjeldahl Distiller)

Technical Parameters:

Model	BKN-983
Measuring Range	0.1~250mgN
Recovery Ratio	≥ 99.5%
Repeatability Precision	±0.5%
Weight Of Measured Samples	Solid < 6g,liquid < 16ml
Distillation Speed	5~8min/sample
Distillation Time	Set it at will
Cooling Water Consumption	1.5L/min
Operation	Auto/manual dual mode
Display Mode	6 inches LCD
Power Supply	AC 220V,50/60Hz
Consumption	1500W
Automatic control on adding alkali and boric acid, dilution and elution	



BKN-983 (Automatic)

BKN-987 Series Fully Automatic Kjeldahl Nitrogen Analyzer

Automatic calibration system of titration liquid concentration (mol)

1. Dual mode of automatic calibration method which instrument eliminates errors and traditional direct input method.
2. Automatic calibration method which instrument eliminates errors

Safety protection system

1. Digestion tube vacant protection
2. Safety door vacant protection
3. Automatic water-replenishing function of steam cylinder
4. Steam overpressure protection
5. Leakage protection



BKN-987 (Fully Automatic)



BKN-987A (Fully Automatic)

Technical Parameters:

Model	BKN-987	BKN-987A
Working Process	Adding quantitative sample dilution, alkali liquor and absorption liquid; Automatically finishing distillation, titration, print and liquid-discharging.	
Measurement Range	0.1~240mgN	
Measurement Sample Amount	Solid < 6g,liquid < 16ml	
Measurement Time	4~8 minutes	
Titration Precision	2.0U/step	0.5U/step
Titration Solution Concentration	Direct titration samples with 4 titration concentrations of 0.1mol,0.5 mol and 1 mol	
Titration System	High-precision plunger type titration system	High-precision peristaltic titration system
Executive Standard	Comply with stipulations of AOAC, EPA, DIN, ISO AND GB	
Repeatability Precision	± 0.5%	
Recovery Ratio	≥ 99.5%	
Data Storage	Effective storage space 2G	
Print Function	110mm line printer which can realize user selective print function	
Consumption	1800w	
Power Supply	AC 220V,50/60Hz	
Requirement Of Cooling Water	Under 25℃	
Cooling Water Consumption	1.5L/min (Distillation process)	

BKD-B Series Kjeldahl Digestion Furnace



Technical Parameters:

Model	BKD-4B	BKD-8B	BKD-12B	BKD-20B	BKD-20BII
Design Temp.	RT~500 ℃				RT~650 ℃
Temp. Precision	±1 ℃				
Heating Pipe	Aluminium alloy pipe (Nichrome wire)				Graphite pipe
Input Power	1.2kw	2kw	3kw	3.6kw	4kw
Power Supply	AC220V 50/60Hz				
Heating Speed	20 ℃ /min				
Heating Holes	4	8	12	20	20
Digestion Tube Size	250ml±0.25ml				

Heating Mantle

1. Electronic Control Heating Mantle



HM-I

Features:

1. Cold rolling sheet stretching and spraying exterior.
2. Electronic temperature regulation mode with characteristics of stepless speed adjustment, uniform temperature, fast heating-up, and safety and durability.
3. Featured by anti-corrosion, age-resistant, durable and safe.
4. Beautifully shaped, easy to operate and effective.

Technical Parameters:

Model	HM-I											
Capacity (ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	20000
Power Supply(V)	220V/50Hz											
Max Use Temp(°C)	450											
Consumption(W)	80	100	150	250	350	450	600	700	800	900	1200	2400
Working Time	continuous											
External Size(mm)	φ 200*160		φ 260*200		φ 300*230	φ 300*250	φ 310*250	φ 350*270	φ 350*270	φ 420*320	450*450*380	
Packing Size (W*D*H)(mm)	230*230*170		290*290*220		330*330*250	330*330*270	330*330*270	380*380*290	380*380*290	450*450*340	500*500*400	
Net Weight(kg)	2		3.5		4	6	6	7	7	10	21	
Gross Weight(kg)	2.5		4		5	7	7	8	8	12	26	

2. Magnetic Stirring Heating Mantles



HM-II

Characteristics:

1. Cold rolling sheet stretching and spraying exterior.
2. Electronic temperature regulation heating mode and magnetic stirring; with characteristics of large heating area, fast warm-up, high temperature evenness, accurate tem-control, time and cost saving.
3. Heating and stirring can proceed simultaneously; stepless speed adjustment.

Technical Parameters:

Model	HM-II											
Capacity (ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	20000
Power Supply(V)	220V/50Hz											
Max Use Temp(°C)	450											
Consumption (W)	80	100	150	250	350	450	600	700	800	900	1200	2400
Speed (r.p.m)	0~1400											
Working Time	continuous											
External Size(mm)	φ 200×160		φ 260*200		φ 300*230	φ 300*250	φ 310*250	φ 350*270	φ 350*270	φ 420*320	450*450*380	
Packing Size (W*D*H)(mm)	230*230*170		290*290*220		330*330*250	330*330*270	330*330*270	380*380*290	380*380*290	450*450*340	500*500*400	
Net Weight(kg)	2.5		4		5	7	7	9	9	12	23	
Gross Weight(kg)	2.8		4.5		6	8	8	10	10	14	28	

3.Digital & Magnetic Stirring Heating Mantles



Features:

1. Cold rolling sheet stretching and spraying exterior.
2. Auto temperature control,digital display and with stirring function,with characteristics of large heating area, fast warm-up,high temperature evenness, accurate tem-control, time and cost saving.
3. Heating and stirring can be used simultaneously, stepless speed adjustment.
4. Featured by anti-corrosion, age-resistant, durable and safe.
5. Adjustable Sensor Rack with Stainless Rods.

Technical Parameters:

Model	HM-III											
Capacity (ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	20000
Power Supply(V)	220V/50Hz											
Max Use Temp(℃)	450											
Consumption (W)	80	100	150	250	350	450	600	700	800	900	1200	2400
Speed (r.p.m)	0-1400											
Working time	continuous											
Exterior size(mm)	φ 220 *165		φ 280 *220		φ 330 *230	φ 340 *245	φ 340 *245	φ 350 *250	φ 350 *270	φ 425 *320	500*510 *390	
Packing size (W*D*H)(mm)	230*215 *195		280*280 *300		345*290 *350	345*290 *350	345*290 *350	390*390 *310	390*390 *310	470*470 *380	540*540 *420	
Net Weight(kg)	2.5		5.5		6.5	7.5	7.5	8.5	8.5	9.8	21	
Gross Weight(kg)	2.8		6		7	8	8	9.2	9.2	12	26	

4.Several Rows Electronic Control Heating Mantles



Features:

1. Cold rolling sheet stretching and spraying exterior.
2. Electronic temperature regulation mode with characteristics of stepless speed adjustment, uniform temperature, fast heating-up, and safety and durability.
3. Featured by anti-corrosion, age-resistant, durable and safe.
4. Several Rows type, produce as Customer inquiry, beautifully shaped, easy to operate and effective.

Technical Parameters:

Model	Rows	Capacity (ml)	Max use Temp (℃)	Consumption (kW)	Working time	Exterior Size (W*D*H)(mm)	Packing Size (W*D*H)(mm)	Net Weight (Kg)	Gross Weight (Kg)
HM-IV	Two Rows	100	450	100*2	Continuous	280*140*106	320*180*190	4	5
		250		150*2		320*160*170	360*190*200	4	5
		500		250*2		360*180*180	400*220*210	4	5
		1000		350*2		420*210*200	460*250*230	7	8
HM-IV	Four Rows	100		100*4		530*140*160	570*180*190	8	10
		250		150*4		610*140*106	650*190*200	8	10
		500		250*4		690*180*180	730*220*210	8	10
		1000		350*4		810*210*200	850*250*230	14	16
HM-IV	Six Rows	100		100*6		820*140*160	860*180*190	12	15
		250		150*6		940*160*170	980*190*200	12	15
		500		250*6		1060*180*180	1100*220*210	12	15
		1000		350*6		1240*210*200	1280*250*230	21	24

Mixer

Features of Vortex Mixer

- Touch and continuous operation
- Specially designed vacuum suction feet hold to the work surface and prevent the unit from movement
- Aluminium cast base avoids unnecessary "walking"

Features of Microplate Mixer

- Compact and universal Microplate Mixer suitable for small vessels and 96 microplate
- Wide range of accessories, easy installation and replacement
- Continuous operation
- Stepless speed regulation of motor
- DC brushless motor low running noise and long service



MX-S
adjustable speed



MX-E



MX-M
with microplate clamp



MX-M
with universal top plate and a tube adapter

Technical Parameters:

Model	MX-S	MX-E
Shaking Movement	Orbital	
Orbital Diameter	4mm	4.8mm
Motor Input	58W	12W
Motor Output	10W	8W
Speed Range	0~2500rpm	3000rpm
Speed Display	Scale	/
Operation Type	Continuous/ touch operation	Touch operation
Ambient Temp.	5~40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	60W	
Power Supply	110/220V ± 10%, 50/60Hz	
Size (W*D*H)	127*130*160mm	134*134*71mm
Weight	3.5kg	0.8kg

Model	MX-M
Shaking Movement	Orbital
Orbital Diameter	4.5mm
Max. Shaking Capacity (With Attachments)	0.5kg
Motor Type	External rotor brushless motor
Motor Input	18W
Motor Output	10W
Speed Range	0~1500rpm
Speed Display	Scale
Ambient Temp.	5~40℃
Relative Humidity	80%
Protection Type	IP21
Consumption	20W
Power Supply	110/220V ± 10%, 50/60Hz
Size (W*D*H)	260*150*80mm
Weight	3kg

Shaker

Features

- LCD displays speed and timer. Speed, time and operating mode can be viewed simultaneously
- Wide range of platforms for use with a variety of vessels
- Multi-voltage



SK-O330-Pro/SK-L330-Pro



SK-O180-Pro/SK-L180-Pro
with flask fixing clip and attachment



SK-D3309-Pro
LCD Digital 3D Shaker, 9°
Attachment with non-slip mat



SK-R330-Pro
LCD Digital Rocking Shaker
Attachment with non-slip mat

Technical Parameters:

Model	SK-O330-Pro SK-L330-Pro	SK-O180-Pro SK-L180-Pro
Shaking Movement	Orbital /Linear	
Orbital Diameter	10mm	4mm
Max. Shaking Capacity (With Attachment)	7.5Kg	2.5Kg
Motor Type	External rotor brushless motor	
Motor Input	28W	
Motor Output	15W	
Speed Range (rpm)	100-500 (Orbital)	100-800 (Orbital)
	100-350 (Linear)	100-350 (Linear)
Speed Display	LCD	
Timer	Yes	
Timer Display	LCD	
Timing Range	1-1199min	
Operation Type	Timing / Continuous operation	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
RS232 Interface	Yes	
Consumption	30W	
Power Supply	110/220V ± 10%, 50/60Hz	
Size (W*H*D)	420*370*100mm	340*300*100mm
Weight	13.5kg	8.1kg

Model	SK-D3309-Pro	SK-R330-Pro
Rocking Motion	3D orbital	See-saw rocking
Tilt Angle	9°	9°
Max. Load Capacity (With Platform)	5kg	10kg
Motor Type	DC motor	
Speed Range	10-70rpm	
Speed Display	LCD	
Timer	Yes	
Timer Display	LCD	
Timing Range	1-1199min	
Operation Type	Continuous/ timed operation	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	40W	
Power Supply	110/220V ± 10%, 50/60Hz	
Size (D*W*H)	430*360*106mm	410*360*200mm
Weight	9kg	

Flake Ice Maker

Application

It is widely used in hospitals, schools, laboratories, research institutes and so on, as well as for food preservation in supermarkets, fishing refrigeration, medical applications, chemical, food processing and other industries.

Features

1. Main body is high-quality stainless steel, anti-corrosive and durable
2. Internal chamber is protected with fluorine-free foam thermal cover featuring good insulation effect.
3. Fluorine-free R134a compressors, safe and reliable.
4. Microprocessor computer controlled.
5. Italian Haitec two-stage reducer and Korean GGM motor makes low noise, Cooling holes and blower fans top design ensure reliably
6. Patented technology makes high cooling efficiency and large ice-making capacity.
7. The screw extrusion hob-style ice-making type makes a compact structure, realizing ice and water automatic separation.
8. The unique float-type water tank water inflow system ensures that there is no residual water, no ice clearance process, no water wasting, and makes them water and energy saving.
9. They have ice full display, water deficiency display, overcooling protection display and malfunction warning display, etc. for shutdown protection. The stop automatically in case of ice full or water deficiency and start automatically when power or water supply is resumed. They have automatic reminiscence function.
10. The ice made is small shaped, amorphous granular flake chipped ice, which can infiltrate into narrow space, featuring fast cooling speed, good ice bathing effect. It is specially designed for laboratories.
11. There are power switch and function indicators deployed in the front with detailed instructions. It is intuitive and easy to use. Various safety performance indicators have passed electrical tests, they are safe and reliable.



Technical Parameters:

Item No.	FIM20	FIM30
Ice making capacity(kg/24h)	20	30
Ice storage capacity(kg)	10	
Ice shape	Small particles of irregular snow ice	
Input current(w)	280	300
External size(L*W*H)	330*480*605mm	



Technical Parameters:

Item No.	FIM40	FIM50
Ice making capacity(kg/24h)	40	50
Ice storage capacity(kg)	15	
Ice shape	Small particles of irregular snow ice	
Input current(w)	360	380
External size(L*W*H)	400*543*720mm	



Technical Parameters:

Item No.	FIM60	FIM70	FIM85
Ice making capacity(kg/24h)	60	70	85
Ice storage capacity(kg)	25		
Ice shape	Small particles of irregular snow ice		
Input current(w)	420	460	480
External size(L*W*H)	400*510*825mm		



Technical Parameters:

Item No.	FIM100	FIM120	FIM150
Ice making capacity(kg/24h)	100	120	150
Ice storage capacity(kg)	40		
Ice shape	Small particles of irregular snow ice		
Input current(w)	520	550	680
External size(L*W*H)	500*561*940mm		



Technical Parameters:

Item No.	FIM200	FIM250
Ice making capacity(kg/24h)	200	250
Ice storage capacity(kg)	60	
Ice shape	Small particles of irregular snow ice	
Input current(w)	1040	1100
External size(L*W*H)	680*611*1100	

Biological Microscope

1.XS-208 Series Laboratory Biological Microscope



XS-208A



XS-208B



XS-208C



XS-208AP



XS-208BP

Technical Parameters:

	Specification	Model				
		XS-208A	XS-208B	XS-208C	XS-208AP	XS-208BP
Viewing Head	Sliding Binocular Head Inclined At 45°	•				
	Sliding Trinocular Head Inclined At 45°		•			
	Compensation Free Binocular Head Inclined At 45°				•	
	Compensation Free Trinocular Head Inclined At 45°			•		•
Nosepiece	Ball Beating Quadruple Nosepiece	•	•	•	•	•
Eyepiece	WF10X18mm	•	•	•	•	•
Objective	Achromatic 4X,10X,40X(S)100X(S,Oil)	•	•			•
	Infinite Achromatic 4X,10X,40X(S)100X(S,Oil)			•	•	
Stage	Double Layer Mechanical Stage 135*140mm	•	•	•	•	•
Condenser	Abby NA1.25 Condenser With Iris Diaphragm & Filter, Rack&Pinion Adjustable	•	•	•	•	•
Illumination	Build-in Illumination, Halogen Lamp 6V/20W, Power Supply 90~230V	•	•	•	•	•
Package	Each Set In Styrofoam, To Cartoon For Safety	•	•	•	•	•

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

2.XSB-Series Laboratory Biological Microscope



XSB-301A



XSB-301B

Technical Parameters:

	Specification	Model				
		XSB-301P	XSB-301B	XSB-103B	XSB-102B	XSB-301A
Viewing Head	Compensation Free Binocular Head Inclined At 30°			•		
	Compensation Free Trinocular Head Inclined At 30°	•	•			
	Compensation Free Binocular/ Trinocular Head Inclined At 45°				•	•
Nosepiece	Ball Beating Quadruple Nosepiece	•	•	•	•	•
Eyepiece	WF10X18mm	•	•	•	•	•
Objective	Plan Achromatic 4X,10X,40X(S)100X(S,Oil)	•				
	Achromatic 4X,10X,40X(S)100X(S,Oil)		•	•		•
	Achromatic 10X,20X,40X(S)100X(S,Oil)				•	
Stage	Double Layer Mechanical Stage 135*140mm	•	•	•	•	•
Condenser	Abby NA1.25 Condenser With Iris Diaphragm & Filter, Rack&Pinion Adjustable	•	•	•	•	•
Illumination	Build-in Illumination, Halogen Lamp 6V/20W, Power Supply 220V	•	•	•	•	•
Package	Each Set In Styrofoam, To Cartoon For Safety	•	•	•	•	•

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

3.BX-Series Laboratory Biological Microscope



Technical Parameters:

	Specification	Model						
		BX-101A	BX-101B	BX-101BI	BX-102A	BX-102B	BX-102C	BX-103C
Viewing Head	Monocular Head Inclined At 45°	•	•					
	Dual Observation 45°, -90° Inclined And Vertical 360° Rotable			•				
	Sliding Binocular Head Inclined At 45°				•	•		
	Compensation Free Binocular Head Inclined At 30°						•	
	Sliding Free Trinocular Head Inclined At 45°							•
Nosepiece	Ball Beating Quadruple Nosepiece	•	•	•	•	•	•	•
Eyeiece	WF10X18mm	•	•	•	•	•	•	•
Objective	Achromatic 4X,10X,40X(S)100X(S,Oil)	•	•	•	•	•	•	•
Stage	Double Layer Mechanical Stage 115*125mm Moving Range 30X50mm	•	•	•	•	•	•	•
Condenser	Abby NA1.25 condenser With Iris Diaphragm & Filter, Rack & Pinion Adjustable	•	•	•	•	•	•	•
Illumination	Build-in Illumination, Halogen Lamp 6V/20W, Power Supply 220V	•	•	•	•	•	•	•
Package	Each Set In Styrofoam, To Cartoon For Safety	•	•	•	•	•	•	•

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

Inverted Microscope



Technical Parameters:

Viewing Head	Trinocular Head Inclined At 30°, Interpupillary Distance 48-75mm
Eyeiece	High Point Extra Wide Field Eyepiece EW10X/22
Objective	Infinite Plan Objective 4X/0.1, WD18mm 10X/0.25, WD10mm 20X/0.4, WD5.1mm 40X/0.6, WD2.6mm Infinite Plan Phase Objective PH10X/0.25, WD10mm PH20X/0.4, WD10mm PH40X/0.65, WD0.35mm
Nosepiece	Quintuple Nosepiece
Condenser	ELWD Condenser NA0.3, LWD72mm (Without Condenser 150mm)
Centering	Centering Telescope (Ø30mm)
Phase Annulus	10X-20X, 40X Pre-Adjustable Phase Annulus Plate 10X-20X, 40X Adjustable Phase Annulus Plate
Stage	Plain Stage 160*250mm Glass Insert Attachable Mechanical Stage, X-Y Coaxial Control Moving Range 120*78mm Auxiliary Stage 70*180mm Ø38mm Petri Dish Holder Ø54mm Slide Glass Holder
Focusing	Coaxial Coarse And Fine Adjustment, Vertical Objective Movement Coarse Stroke 37.7mm Per Rotation, Fine Stroke 0.2mm Per Rotation
Illumination	Halogen Lamp 6V/30W
Filter	Diameter 45mm, Blue, Green, And Ground Glass
Accessories	Inverted Fluorescent Attachment Video Adapter With C Mount

Metallurgical Microscope



XJD-100



XDS-1

Technical Parameters:

	Specification	Model			
		XJD-100	XJD-200	XDS-1	XDS-2
Viewing Head	Monocular Head Inclined At 45°	•			
	Sliding Binocular Head Inclined At 45°		•		
	Sliding Trinocular Head Inclined At 45°			•	
	Compensation Free Trinocular Head Inclined At 30°				•
Nosepiece	Ball Beating Quadruple Nosepiece	•	•	•	•
Eyepiece	WF10X,WF12.5X	•	•	•	
	WF10X20mm				•
Objective	Metallurgical Objectives 10X,40X,100X(S,Oil)	•	•	•	
	Infinity Metallurgical Objectives 4X,10X,20X(S),40X				•
Stage	Double Layer Mechanical Stage 242*172mm Moving Range 75*50mm				•
	Double Layer Mechanical Stage 135*140mm Moving Range 70*50mm	•	•	•	•
Focusing	Coaxial Coarse & Fine Focusing Adjustment With Rack And Pinion Mechanism Fine Focusing Scale Value 0.002mm	•	•	•	•
Illumination	Build-in Illumination, Halogen Lamp 6V/20W, Power Supply 220V	•	•	•	•
Filter	Blue, Green, Yellow	•	•	•	•

Fluorescence Biological Microscope



XY-1



XY-2

Technical Parameters:

Model	XY-1	XY-2	Note
Viewing Head	Compensation Binocular Head Inclined At 45° , Interpupillary Distance 55~75mm,	Compensation Trinocular Head Inclined At 45° , Interpupillary Distance 55~75mm,	•
Eyepiece	Wide Field WF10X/18 Eyepiece		•
	P16X Eyepiece		•
Nosepiece	Backward Quadruple Nosepiece		•
	Backward Quintuple Nosepiece		•
Objectives	Achromatic Objective 10X, 20X, 40X(S), 100X (S, Oil)		•
	Semi- Plan Achromatic Objective 10X, 20X, 40X(S), 100X (S, Oil)		•
	Plan Achromatic Objective 10X, 20X, 40X(S), 100X (S, oil)		•
	Infinite Plan Achromatic Objective 10X, 20X, 40X(S), 100X (S, Oil)		•
Stage	Double Layers Mechanical Stage:140X140, Moving Range:75X50mm		•
Condenser	Abbe Condenser N.A.=1.25 With Iris Diaphragm And Filters		•
Focusing System	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Moving Range:24mm		•
Collector	High Brightness Collector		•
	Kohler Illumination With Iris Diaphragm		•
Illumination	AC220V/110V, 6V20W, Halogen Lamp, Brightness Adjustable.		•
	AC220V/110V, Super Light LED Lamp, Brightness Adjustable.		•
Filters	Green And Blue Filters		•
Fluorescent Attachment:			
Fluorescent Illumination	B(Blue), G(Green) Exciting Light Filter System, O Ordinary Light System		•
	U(Ultraviolet), V(Violet) Exciting Light Filter System, O Ordinary Light System		•
Illumination	100W Ultra Hi-Voltage Spherical Mercury Lamp		•
Protect Barrier	Barrier To Resist The Ultra Violet Light		•
Power Supplier	Power Supplier AC110/220V, Digital Display And Timer		•
Fluorescent Free Objective	10X 20X 40X 100X		•
Optional Parts	High Resolution COMS Digital Camera 5.0MP, 9.0MP With Software		•

Note: • Standard Outfit; ◯ Optional

Digital Microscope



BXTV-1 BXTV-1A BXTV-1B BXTV-1C BXTV-1D BXTV-1E

Technical Parameters:

	Specification	Model					
		BXTV-1	BXTV-1A	BXTV-1B	BXTV-1C	BXTV-1D	BXTV-1E
Viewing Head	Sliding Trinocular Head Inclined At 45°	•	•				
	Compensation Free Trinocular Head Inclined At 30°			•			
	10"LCD				•	•	•
Nosepiece	Ball Beating Quadruple Nosepiece	•	•	•	•	•	•
Eyepiece	WF10*18mm	•	•	•	•	•	•
	Achromatic 4X,10X,40X(S)100X(S,Oil)	•	•			•	•
Objective	Plan Achromatic 4X,10X,40X(S)100X(S,Oil)			•	Optional		
Stage	Double Layer Mechanical Stage 135*140mm	•	•	•	•	•	•
Condenser	Abby NA1.25 Condenser With Iris Diaphragm & Filter, Rack&Pinion Adjustable	•	•	•	•	•	•
Illumination	Build-in Illumination, Halogen Lamp 6V/20W, Power Supply 90~230V	•	•	•	•	•	•
Package	Each Set In Styrofoam, To Cartoon For Safety	•	•	•	•	•	•

Image Sensor	1/3 SONY CCD	Video Output	BNC 1.0VP-P.75
Signal System	PAL/NTSC	Backlight Compensation	OFF/ON
Scanning Frequency	Horizontal:15.625KHz Vertical:50Hz	Electronic Shuttle	AUTO IRIS EE
Horizontal Resolution	480TV/520TV	Camera Interface	CS
Min Illumination	F1.2 0.5LUX 0.01 LUX	Balance	Auto
Power Consumed	73mA/85mA	Gain Control	Auto
48S/N Ratio	50db AGC	Power	DC 12V

Stereo Zoom Microscope



SZM45 SZM-45T SZM7045 ST-20 ST-40 ST-60

Technical Parameters:

Model	SZM-45	SZM45T	XTL-7045
Viewing Head	Binocular Head Inclined At 45°	Trinocular Head Inclined At 45°	Trinocular Head Inclined At 45°
Eyepiece	Eyepiece:WF10*20mm		
Objective	0.70X~4.5X Continuous Magnification~Variable Objectives		
Magnification	7X~90X, 3.5X~180X (Auxiliary Objectives)		
Interpupillary Distance	54~75mm		
Visibility Adjustment	Double Visibilities Are Adjustable		
Working Distance Of Objectives	100mm		
Illumination	Upside: 12V,20W Downside: 12V,20W		

Model	ST-20	ST-40	ST-60
Viewing Head	Binocular Head Straight	Binocular Head Inclined At 45°	Binocula (Trinocular) Head Inclined At 45°
Eyepiece	WF10X		WF10*20
Objective	1X, 2X, 3X, 4X		
Magnification	/		0.70X~90X, 3.5X~180X (Auxiliary Objectives)
Interpupillary Distance	54~75mm		
Visibility Adjustment	Double Visibilities Are Adjustable		
Working Distance of Objectives	80mm		100mm
Illumination	Natural Light	Upside: 12V,20W Downside: 12V,20W	

Thermostatic Water Bath

Features:

1. It adopts new design structure, which could avoid the leakage of steam.
2. There are pointer type temperature controller and intellectual type temperature controller for selecting. The intellectual temperature controller has high lightness digital display and touch operating button, which is easy to operate. It has high precision on controlling the temperature.
3. Stainless steel chamber and upper cover.



Technical Parameters:

Model	SY-1L1H	SY-1L2H	SY-1L4H	SY-1L6H	SY-2L4H	SY-2L6H	SY-2L8H
Power Supply	220V/110V; 50/60Hz						
Consumption(W)	400	500	1000	1500	1000	1500	2000
Temp. Precision(℃)	±0.5						
Temp. Range(℃)	Room Te.+5 ~ 100℃						
Temp. Sensitivity(℃)	≤ ±1						
Display Error(℃)	≤ ±2.5						
Chamber Size (cm)(W*D*H)	16.8*16.8*12	32.5*16.8*12	65.3*16.8*12	94.5*16.8*12	32.5*32.5*12	48*32.5*12	63.5*32.5*12
Products Size (cm)(W*D*H)	35.5*24*19	51*24*19	82*24*19	113*24*21.5	51.5*38*19	67*38*19	82.5*38*19
Packing Size (cm)(W*D*H)	40.5*32*23.5	55.5*32*23.5	87*32*23.5	117*32*23.5	55*48*23.5	72*48*23.5	87*48*23.5
Net Weight(Kg)	3.5	4.5	7	9	7	8	9.5
Gross Weight(Kg)	4	5	8	10	8	9.5	11

Transparent Water Bath

Features:

1. Adopt new design structure, effectively prevent leakage of steam.
2. Intelligent temperature control, digital display with high brightness, high precision temperature control.
3. All made of transparent acrylic sheet, can clearly see objects that are heated.



Technical Parameters:

Model	SY-8L
Capacity	8L
Power Supply	220V50Hz
Consumption(W)	800W
Temp. Fluctuation(℃)	±0.5
Temp. Range(℃)	RT+5 ~ 100
Temp. Sensitivity(℃)	0.1
Chamber Size (mm)(W*D*H)	280*220*150
Packing Size(mm)(W*D*H)	450*350*270
Net Weight(Kg)	3.5
Gross Weight(Kg)	5

Constant-temperature Water Tank

Features:

1. Cold-rolled sheet spraying exterior; stainless steel inner chamber and roof cover.
2. Choice of pointer type temperature controller or intelligent temperature controller with PID program, digital tube display, and light touching operation key; and with function of timing and over-temperature protection.
3. Functions of temperature setting, heat preservation, digital display and accurate temperature control.



Technical Parameters:

Model	WT-42A	WT-42B	WT-60A	WT-60B
Power Supply(V)	220V/110V, 50/60Hz			
Consumption(W)	500 ± 10%	1000 ± 10%	750 ± 10%	2000 ± 10%
Temp. Fluctuation(℃)	1			
Temp. Range(℃)	RT+5 ~ 100			
Chamber Size(cm) (W*D*H)	42*18*14	42*18*14	60*30*20	60*30*20
Product Size(cm) (W*D*H)	57*23*27		75*35*36	
Packing Size(cm) (W*D*H)	65*30*31.5	65*30*31.5	84*41*35	84*41*35
Net Weight (Kg)	8	8.5	17	18
Gross Weight (Kg)	9.5	10	19	20

Notes:

1. A refers to constant temperature water tank.
2. B refers to tri-purpose electro-thermal constant - temperature water tank.

Thermostatic Shaking Water Bath

Features:

1. Cover is made of high-transparency materials for direct observation of the samples inside.
2. Shaker uses stepless speed regulation
3. A fan is installed inside the working chamber to force convection within the chamber. This promotes a better heat mixture and temperature uniformity within the chamber.



Technical Parameters:

Model	SWB-A	SWB-B	SWB-C
Vibration Amplitude	30cm	24cm	30cm
External Size(L*W*H)(cm)	71*46*43	70*46*45	71*46*43
Internal Size(L*W*H)(cm)	46*39*15	50*41*17	46*39*15
Package size(L*W*H)(cm)	82*64*51	85*64*59	82*64*51
Consumption	1550W	1300W	1550W
Vibration Frequency(r/min)	50~280	50~220	50~280
Notes	Rotation oscillation, Timing	Rotation, Oscillating back and forth, Timing	Oscillating back and forth, Timing
Temp. Range	RT+3℃ ~100℃		

Low Temperature Thermostatic Water Bath

Features:

- Temperature is raised or lowered indirectly by passing preheated or precooled water through the tank.
- High insulation is achieved with polyurethane foam stuffing between the inner and outer casing.
- Microprocessor controller with self-adjustment of tank displayed temperature and temperature.



Technical parameters:

Model	TB-L1	TB-L2
Temperature Control Range	-10 ~ 99℃	-20 ~ 99℃
Temperature Uniformity	±0.5℃	
Temperature Fluctuation	±0.5℃	
Heating Consumption	1000W	
Cooling Consumption	260W	400W
Internal Size	300*260*220mm	

TB-1 Super Thermostatic Water Bath

Features:

- Inner and outer casing is made from stainless steel plates.
- Temperature is controlled using a glass mercury thermometer.
- Control circuitry uses silicon-based components and contactless switches.

Technical parameters

Model	TB-1
Temp Range	RT+5℃ ~ 95℃
Temp Fluctuation	±0.1℃
Circulation Pump Flow Rate	> 10L/min
Power Supply	220v,50/60Hz;800W
Heating Consumption	
Internal Size	400*280*180mm
External Size	540*355*460mm
Package Size	650*455*560mm
Net Weight/Gross Weight	15.5/30Kg



TB-2 Super Thermostatic Oil Bath

Features:

- Inner casing is made of stainless steel plates.
- Data control and display uses microprocessor controller and digital display.

Technical parameters:

Model	TB-2
Power Supply	220V ± 10%, 50/60Hz
Temp Range	RT+5℃ ~ 300℃
Temp Fluctuation	±1℃
Internal Size	450*280*300mm
External Size	565*385*605mm
Package Size	675*485*705mm
Circulation Pump Flow Rate	> 10L/min
Net Weight/Gross Weight	23/38kg



Hotplate Magnetic Stirrer

Features of BS-2H/3H

- Die-casting and stretching roof cover; fabrication processed exterior to prevent leaking.
- Heating and stirring can proceed simultaneously.
- Enclosed heating plate with characteristics of flame protection, fast warm-up and durability.
- Heating power and stirring speed is steplessly adjusted.

Features of BS-4H/4HC

- Stretched shell and cover prevent leaking.
- Heating and stirring can proceed simultaneously.
- Enclosed hot plate with flame protection, fast warm-up and durability.
- Heating Power and stirring speed is steplessly adjusted.
- Max. Temp. to 380 degree, max. Speed to 1600 r.p.m.
- With the adjustable PT100 sensor rack and Stainless Steel Rods.



BS-2H/3H



BS-4H/4HC

Technical Parameters:

Model	BS-2H	BS-3H	BS-4H	BS-4HC
Work Plate Size	120*120mm	170*170mm	190*190mm	
Work Plate Material	aluminum		ceramic	
Max. Stirring Capacity	2L	5L		
Speed Range	100~2000rpm			
Heating Temp.	380℃			350℃ ± 10%
Consumption	180W	500W	600W	
Power Supply	110/220V ± 10%, 50/60Hz			
External Size (W*D*H)	200*120*90mm	250*180*120mm	300* 210* 126mm	
Packing Size (W*D*H)	265*185*190mm	280*210*150mm	400* 240* 220mm	
Net Weight	1.9kg	2.2kg	5kg	
Gross Weight	3kg	3.4kg	6kg	

Hotplate Magnetic Stirrer



MYP11-2



MYP11-2A



H01-1A



SH05-3G



X85-2



X85-2S

Technical Parameters:

Model	MYP11-2	MYP11-2A	H01-1A	SH05-3G	X85-2	X85-2S
Work Plate Size	φ 145mm		φ 175mm		φ 145mm	
Work Plate Material	Aluminum alloy		Stainless steel		Aluminum alloy	
Max. Stirring Capacity	10L				5L	
Motor Type	Brushless DC motor					
Motor Output	15W				10W	
Speed Range	50~1500rpm		0~1500rpm			
Digital Display	Speed, temperature, time				/	Speed
Control	Button	Knob + Button	Button		Knob	
Heating Output	600W		800W		600W	
Heating Temp. Range	RT~320℃		RT~250℃		Conductive thermometers	
Safety Temp.	350℃		/		/	
Temp. Precision	± 0.5℃				/	
Timing Range	1~9999min	1~250min			/	
Power Supply	220V, 50/60Hz					
Size (W*D*H)	280*160*90mm		280*175*145mm	330*190*130mm	250*150*135mm	
Weight	2.7kg		5.3kg	4.6kg	3.9kg	

Hotplate Magnetic Stirrer



MS7-H550-Pro MS7-H550-S MS-H-Pro+ MS-H-Prot MS-H-S MS-H280-Pro

Technical Parameters:

Model	MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-Prot	MS-H-S	MS-H280-Pro
Work Plate Size	184*184mm		Φ135mm			
Work Plate Material	Glass ceramic		Stainless steel with ceramic coated			
Max. Stirring Capacity	20L	10L	20L			3L
Motor Type	Brushless DC motor	Shaded pole motor	Brushless DC motor		DC motor	Brushless DC motor
Motor Input	18W	15W	18W			5W
Motor Output	10W	1.5W	10W			3W
Speed Range	100~1500rpm	0~1500rpm	100~1500rpm		0~1500rpm	100~1500rpm
Speed Display	LCD	Scale	LCD		Scale	LED
Speed Display Precision	±1rpm	/	±1rpm		/	
Heating Output	1000W		500W			
Heating Temp. Range	RT~550°C, increment 1	RT~550°C, increment 5	RT~340°C, increment 1		RT~340°C	RT~280°C, increment 1
Control Temp. Precision	±1(<100°C) ±1%(>100°C)	±10°C	±1(<100°C), ±1%(>100°C)		/	±1(<100°C) ±1%(>100°C)
Safety Temp.	580°C		360°C		350°C	320°C
Temp. Display	LCD	LED	LCD		Scale	LED
Display Temp. Precision	±0.1°C	±1°C	±0.1°C		/	±1°C
External Temp. Sensor	PT1000				/	PT1000
Max. Magnetic Bar	80mm					50mm
Warning Temp.	50°C				/	50°C
Timing Range	/	/	/	1~5999min	/	/
RS232 Interface	Yes	/	Yes		/	/
Protection Type	IP21		IP42			IP21

Ambient Temp.	5~40°C				
Relative Humidity	80%				
Consumption	1050W	1030W	550W	530W	515W
Power Supply	110/220V ± 10%, 50/60Hz				
Size (W*D*H)	215*360*112mm		160*280*85mm		150*260*80mm
Weight	5.3kg	4.5kg	2.8kg	1.8kg	

Magnetic Stirrer



MS-S



MS-PA



MS-PB

Technical Parameters:

Model	MS-S	MS-PA	MS-PB
Work Plate Size	Φ135mm		
Work Plate Material	Stainless steel with ceramic coated	Plastic	
Max. Stirring Capacity	20L	3L	
Motor Type	Brushless DC motor	DC motor	
Motor Input	18W	5W	
Motor Output	10W	3W	
Speed Range	0~1500rpm	100~1500rpm	0~1500rpm
Speed Display	Scale	LED	Scale
Max. Magnetic Bar	80mm	50mm	
Ambient Temp.	5~40°C		
Relative Humidity	80%		
Protection Type	IP42		
Consumption	30W	15W	10W
Power Supply	110/220V ± 10%, 50/60Hz		
Size (W*D*H)	160*280*85mm	150*260*80mm	
Weight	2.8kg	1.8kg	

Magnetic Stirrer



Technical Parameters:

Model	98-2	H03-A	85-1	85-1A	85-2A	90-1	90-1B	96-1	H01-2
Working Plate Material	Stainless steel								
Max. Stirring Capacity	10L		2L	3L	5L	20L		50L	
Motor Type	Brushless DC motor								
Speed Range	0~2000rpm			0~1500rpm	0~2000rpm	60~2000rpm			
Digital Display	/	Speed	/	/	/	/	Speed	/	Speed
Control	Knob								
Consumption	15W		4W	8W	10W	40W		100W	
Power Supply	220V, 50/60Hz								
Size (W*D*H)	260*160*110mm	210*210*105mm	120*130*65mm	210*130*65mm	245*145*100mm	305*300*105mm		410*400*115mm	
Weight	4.2kg	3.7kg	1.2kg	2kg	3.2kg	6.5kg		10.5kg	10.7kg

Multi-Position Magnetic Stirrer



Technical Parameters:

Model	MS-M-S10	MS-H-S10	84-1(4 positions)	524G	84-1(6 positions)	H01-1D
Work Plate Size	180*450mm		φ145mm			
Work Plate Material	Stainless steel with silicone Film		Stainless steel	Aluminum alloy	Stainless steel	
Max. Stirring Capacity	0.4L*10	0.4L*10	1.5L*4	3L*4	1.5L*6	3L*6
Motor Type	Brushless DC motor	DC motor	Brushless DC motor			
Speed Range	0~1100rpm		0~1500rpm			
Control	Scale		Knob	Button	Knob	
Heating Output	/	470W	/	4*600W	/	6*360W
Heating Temp. Range	/	RT~120°C	/	RT~150°C	/	RT~150°C
Safety Temp.	/	140°C	/	350°C	/	350°C
Ambient Temp.	5~40°C					
Relative Humidity	80%					
Power Supply	220V, 50/60Hz					
Size (W*D*H)	182*552*65mm		290*280*80mm	380*380*14mm	420*300*80mm	1005*230*130mm
Weight	3.2kg		5.8kg	12.2kg	9.2kg	21.1kg

Overhead Stirrer



OS40-S/O20-S
LED Overhead Stirrer



OS40-S/ O20-S
with universal plate stand



OS40-Pro/OS20-Pro
LCD Overhead Stirrer



OS40-Pro/ OS20-Pro
with universal plate stand

Technical Parameters:

Model	OS40-S	OS20-S	OS40-Pro	OS20-Pro
Max. Stirring Capacity	40L	20L	40L	20L
Motor Input	120W	60W	120W	60W
Motor Output	100W	50W	100W	50W
Speed Range	0~2200rpm		50~2200rpm	
Speed Display	LED		LCD	
Speed Display Precision	/		± 3rpm	± 3rpm
Speed Display Fluctuation	± 1rpm			
Max. Torque	60Ncm	40Ncm	60Ncm	40Ncm
Torque Display	/		LCD	
Overload Protection	LED flicker, motor automatic stop			
Motor Protection	LED flicker, motor automatic stop			
Max. Viscosity	50000mPas	10000mPas	50000mPas	10000mPas
Chuck Range Diameter	0.5~10mm			
Protection Type	IP42			
Ambient Temp.	5~40℃			
Relative Humidity	80%		0	80%
RS232 Interface	/		Yes	Yes
Consumption	130W	70W	130W	70W
Power Supply	110/220V ± 10%, 50/60Hz			
Size (W*H*D)	83*220*186mm			
Weight	2.8kg	2.6kg	2.8kg	2.6kg

Electric Stirrer

Features of MYP2011 series

- Brushless DC motor drive penetration type stirring shaft
- MCU closed-loop control.
- Constant and stable rotational speed.
- Digital display and speed setting, rotary encoder operation.

Features of D series

- Brushless DC motor drive.
- Digital display rotation speed.



Technical Parameters:

Model	MYP2011 -50	MYP2011 -100	MYP2011 -150	MYP2011 -250	D2004W	D2010W	D2015W	D2025W
Max. Stirring Capacity	20L	50L	100L	200L	18L	50L	100L	200L
Motor Type	Brushless DC motor							
Motor Torque	200mN.M	450mN.M	600mN.M	1N.M	200mN.M	450mN.M	600mN.M	1N.M
Speed Range	60~1500/60~2000rpm							
Stirring Rod Length	350mm							
Stirring Rod Material	PTFE	Stainless steel			PTFE	Stainless steel		
Pole Length	700mm							
Chuck Range Diameter	φ 1.5~13mm				φ 1.5~10mm		φ 1.5~13mm	
Digital Display	LCD				LED			
Control	Knob							
Consumption	50W	100W	150W	250W	40W	100W	150W	250W
Power Supply	220, 50/60Hz							
Size (W*D*H)	380*82*210mm (main body)				390*93*160mm (main body)		390*93*180mm (main body)	
Weight	12kg	12.3kg	12.5kg	12.6kg	8.4kg	12.1kg	12.5kg	13kg

BDV-S and BDV-N Series Digital Viscometers



BDV-1S



BDV-9S



BDV-5S/8S



BDV-N Series

Features:

BDV-S series digital viscometer

- It adapts 16 bit MCU as central control circuit.
- It features as follows: gearless driving, LCD.
- Optional accessories: Printer and RTD temperature probe.

BDV-N series digital viscometer

- Measurement is more larger than BDV-S series.
- Rotating speed is improved to non-polar shift.
- RTD temperature probe can timely monitor the temperature of the sample.
- Optional software: Data Collecting, Analysis and Plot Software

Technical parameters

Model	BDV-1S	BDV-9S	BDV-5S	BDV-8S	SNB-1N	BDV-2N	BDV-3N	BDV-4N
Measure Range (mPa · s)	10~100,000	1~6,000,000	1 ~ 100,000	1 ~ 2,000,000	1 ~ 600,000	0.6 ~ 6,000,000	6 ~ 80,000,000	50 ~ 10,000,000
Rotation Speed	6,12,30,60	0.1, 0.3, 0.6, 1.5, 3, 6, 12, 30, 60	6,12,30,60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60	1 ~ 60	0.1 ~ 99.9	0.1 ~ 99.9	0.1 ~ 200
Number of Spindle	4 types(L1 ~ L4)				4 types(L1 ~ L4)			4 types (21.27.28.29)
Measurement Accuracy	±5% (Newtonian Fluid)	±3% (Newtonian Fluid)	±1% (Newtonian Fluid)					
Repeatability	± 0.5% (Newtonian Fluid)							
Power Supply	Special power adapter (100 ~ 240V,50/60Hz)							
Optional L0 Spindle Measure Range (mPa.s)	1 ~ 100	1 ~ 600	1 ~ 100	1 ~ 2,000	1 ~ 600	0.6 ~ 6,000	6 ~ 60,000	3 ~ 60,000

BDV Series Viscometers



BDV Series

Features

- It adapts 16 bit MCU as central control circuit and is driven by high resolution step motor.
- RTD temperature probe can timely monitor the temperature of the sample.
- LCD can display all information.
- Optional software: DV Program Control Download Software & Data Collecting, Analysis and Plot Software

Technical Parameters

Series	BDV-1			BDV-2		
Model	BDV-1A	BDV-1B	BDV-1C	BDV-2A	BDV-2B	BDV-2C
Measure Range (mPa · s)	12~6M	80~40M	640~320M	6~6M	40~40M	320~320M
Rotation Speed	0.1~99.9 non-polar shift			0.1~200 non-polar shift		
Number of Spindle	4 (L1~L4)	6 (R2~R7)	6(R2~R7)	4 (L1~L4)	6 (R2~R7)	6(R2~R7)
Measurement Accuracy	±1% (Newtonian Fluid)					
Repeatability	±0.5% (Newtonian Fluid)					
Power Supply	Special power adapter (100 ~ 240V,50/60Hz)					
Optional L0 Spindle Measure Range (mPa.s)	0.6~6000	6~60000	50~500000	0.3~6000	3~60000	25~500000
Optional R1 Spindle Measured Range (mPa · s)	—	20~100000	160~800000	—	10~100000	80~800000

BKU-1 Digital Viscometer



BKU series

Features

- BKU series viscometer is specially applied to sample like paint, coating, etc.
- It adapts 16 bit MCU as central control circuit and is driven by high resolution step motor.
- It can recycling show the units of KU, gm, and cP.

Technical parameters:

Model	BKU-1
Measure Range	40~141KU 32~1099gm 27~5274cP*
Measurement Accuracy	±1% (Newtonian Fluid)
Repeatability	±0.5%(Newtonian Fluid)
Rotation Speed	200rpm
Power Supply	Special power adapter (100 ~ 240V,50/60Hz)

Note: cP is for reference, not for calibration.

RE-2010 Rotary Evaporator

Features:

- 1.Double sealing with Teflon and Viton makes vacuum as high as 399.9 pa.
- 2.High rate of evaporate and recovery.
- 3.Series module design and highly expandable.
- 4.Easy assemble and disassembly,simple operation and easy maintenance.



Technique parameters:

Model	RE-2010
Rotary Bottle	1L
Collecting Bottle	1L
Rotary Speed	10~180 r/min
Rotary Motor	30 W
Alcohol Evaporating Speed	20 ml/min
Temperature Range	RT~99/RT~199 °C
Consumption	1.5 KW
Elevating Stroke	100~150 mm
Vacuum Sealing	Double sealing rings made of Teflon+Teflon and Teflon+Viton materials
Voltage/Frequency	220V/50Hz

RE 100-Pro Rotary Evaporator

Features:

- 1.Easy to read large digital LCD screen displays heating temperature , rotation speed and timing.
2. 5L large water-oil heating bath with heating temperature range from RT to 180°C .
- 3.Speed range from 20 to 280 rpm.
- 4.Heating bath with precise temperature control and adjustable safety circuit.
- 5.Designed a detachable operating panel allows remote control.
- 6.Patented condenser (cooling surface 1500 cm²) with excellent cooling effect.
- 7.Motorized lift with quick-action,automatic release evaporating flask to top position in case of power failure.
- 8.Adjustable final position recognition to protect operator and sample against breakage.
- 9.Evaporating flask with an ejector,convenient to remove.
- 10.Available with timer function to precise control processing.
- 11.Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing.
- 12.PC can control and document all parameters via RS232 interface (USB).

Technical Parameters:

Voltage	100~240 V
Frequency	50/60 Hz
Consumption	1400 W
Motor Principle	DC brushless motor
Speed Range	20~280 rpm
Speed Display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range	RT~180 °C
Heating Control Accuracy	±1 °C
Heating Output	1300 W
Temperature Display	LCD
Lift	Motor
Stroke	150 mm
Timer	Yes
Timer Display	LCD
Timer Setting Range(min)	1~999
Overall Dimensions(W*D*H)	100*420*580 mm
Weight	20 kg
Permissible Ambient Temperature	5~40 °C
Permissible Relative Humidity	80%
Protection Class acc.To DIN EN60529	IP20
RS 232 Interface	Yes



ExRE Explosion-proof Rotary Evaporator



Features:

- 1.Ex-motor
 - 2.Ex-frequency inverter
 - 3.Ex-auto temperature controller
 4. QH/HA01-2005 standard
 - 5.PTFE seal,good performance in seal,non-corrosibility
 - 6.Electronic classless speed regulation,smooth running
 - 7.Clear display of date and controlling information,running speed digital display
 - 8.Handwheel lifting,stainless steel and anticorrosive bath
 - 9.Dual-reflux,integrative standard joints for cooling coils and ground glass receiving flask
 - 10.Valve feed pipe cover connecting tetrafluoroethylene pipe
 - 11.Stainless steel and Al alloy structure
 - 12.Bath quickly auto lifting,stable and durable
- ※ Optional auto-lifted bath

Technical Parameters:

Model	ExRE-1002	ExRE-2002	ExRE-5003
Rotary Bottle	10L	20L	50L
Collecting Bottle	5L	10L	20L
Running Speed	0~110 r/min		
Vacuum	-0.098 Mpa		
Evaporating Rate(L/H ₂ O)	≥ 6	≥ 10	≥ 18
Temperature Range	RT~299 °C		
Motor Power	120W	120W	180W
Bath Power	3 KW	5 KW	7or8KW
Voltage/Frequency(V/Hz)	220/50	220/50	220/50or380/50
Size(mm)	1050*580*1950	1100*600*2100	1300*720*2300

RE-2000A/2000B/2000E and RE -52A/52C/5299 Rotary Evaporator



RE-2000A

RE-2000B

RE-2000E

RE-52A

RE-52C

RE-5299

	Model	RE-2000A	RE-2000B	RE-2000E	RE-52A	RE-52C	RE-5299	
Parameters	Control Panel	Temperature display	Temperature speed display	LCD display	/			
	Glass Material	GG-17						
	Shelf Material	Aluminum alloy			Coating anti-corrosive Pot shell material :Coating anticorrosive 250*365*150mm			
	Pot Material	Teflon composite pot,fully sealing heating			Stainless steel 240*120mm			
	Rotary Bottle	1 L 24#standard size						
	Receiving Flask	1 L 24#standard size			/			
	Collecting Bottle	1 L 35# ball mill mouth			0.5 L 24#standard size			
	Vacuum	-0.098 Mpa						
	Rotary Power	40 W			30 W			
	Running Speed	0~199 rpm			/			
	Rotary Speed(r/min)	0~180rpm			0~120 rpm			
	Evaporating Rate (L/H ₂ O)	≥ 1						
	Heating Power	1.5 KW			1 KW			
	Bath Temp. Control Range	0~99 ℃						
	Temp. Range	RT~99 ℃			RT~99/RT~299 ℃			
	Temp. Control Accuracy	±1℃						
	Motor Power	40 W			30 W			
	Bath Power	1.5 KW			1 KW			
	Lifting Power	15 W			/			
	Lifting Distance	120 mm						
	Power Supply	220V/50Hz						
	External Size(mm)	660*420*830			700*440*1005			
	Packing Size(mm)	630*560*540 0.19m ³			590*460*460 0.12m ³			
	Packing Weight	26 Kg			21Kg			
	Functional Configuration	Speed Adjustable Mode	Electronic classless speed control					
		Temp. Display Mode	PT100 Sensors,Digital display			CU50 Sensors,Digital display		
Temp.Control Mode		Intelligent control						
Sealing Way		Teflon seal			Four fluorine components seal			
Lift Way		Host lift automatically			By manual			
Condenser		Vertical condenser 85*430mm			Vertical condenser 85*460mm 29#standard size			
Continuous Charging		19#						
Optional Accessory	Heating Model	Oil bath 0~400℃			0~400℃			
	Bath Pot Material	304 stainless steel						
	Anti-splash Device	Bath with a transparent cover						

RE-201D/301/501 and RE -1002/3002/5003 Rotary Evaporator

Technical Parameters:

Model	RE-201D	RE-301	RE-501	RE-1002	RE- 2002	RE-5003
Glass Material	GG-17					
Shelf Material	Stainless steel			Coating anti-corrosive Pot shell material :Coating anti-corrosive 250*365*150mm		
Pot Shell Material(mm)	Coating Anti-corrosive 270*270*195	Coating Anti-corrosive 290*296*240	Coating Anti-corrosive 310*320*240	Coating Anti-corrosive 710*620*700	Coating Anti-corrosive 630*534*638	Coating Anti-corrosive 490*430*540
Pot Material (mm)	Stainless steel 250*140	Stainless steel 255*170-	Stainless steel 280*170-	Stainless steel 550*320	Stainless steel 450*250	Stainless steel 350*220
Plate Size(mm)	280*330	350*330		534*504	474*474	550*320
Rotary Bottle	1 L 24# standard size			20 L Ø95 flange diameter		
Receiving Flask	1 L 24# standard size			10 L Ø95 flange diameter		
Collecting Bottle	1 L 35# ball mill mouth			0.5 L 24# standard size		
Vacuum	-0.098 Mpa					
Rotary Power	30 W	40 W	40 W	120 W		180 W
Rotary Speed(r/min)	0-120 rpm			0-110rpm		
Evaporating Rate(L/H ₂ O)	≥ 1	≥ 1.5	≥ 1.5	≥ 6	≥ 10	≥ 18
Heating power	1.5 KW	2 KW		3 KW	5 KW	8 KW 380V/50Hz
Bath Temp.	0~400 ℃					
Temp. Accuracy	±1 ℃					
Motor Power	30 W	40 W	40 W	120 W	120 W	180 W
Bath Power	1.5 KW	2 KW	2 KW	3 KW	5 KW	7or8 KW
Lifting power	15W			/		
Lifting distance	120 mm			180 mm		
Voltage/ Frequency(V/Hz)	220V/50Hz					
External Size(mm)	700*440*885	660*330*970	700*335*1009	970*480*1950	1170*540*2200	1520*620*2470
Packing Size(mm)	590*460*460 0.12 m ³	1000*460*450 0.21 m ³	1040*620*410 0.26 m ³	1350*350*400 or 1280*570*660 0.67 m ³	1370*700*680 or 700*680*740 1 m ³	1450*390*440 or 1150*840*660 or 790*730*790 1.34 m ³
Packing Weight	21 Kg	38 Kg	38 Kg	100 Kg	123 Kg	170 Kg

Parameters



Functional Configuration	Speed Adjustable Mode	Electronic classless speed control			Frequency control of motor speed		
	Rotate Speed Display Mode	Digital display					
	Temperature Display mode	K Sensors,digital display					
	Temperature Control Mode	Intelligent control					
	Sealing Way	Four fluorine components seal					
	Lift Way	Host lift by manual					
	Condenser	Vertical condenser 85*460mm	Vertical condenser 100*510mm	Vertical condenser 100*590mm	Vertical efficiency three reflow condenser Main condenser 120*640 Deputy cold 135*470	Vertical efficiency three reflow condenser Main condenser 130*680 Deputy cold 160*530	Vertical efficiency three reflow condenser Main condenser 160*840 Deputy cold 160*530
	Continuous Charging	19# Standard size			Check valve control		
	Vacuum Display Mode	By vacuum form					
Optional Accessory	Anti-explosion	Anti-explosion inverter,Anti-explosion motor EX40W			Anti-explosion inverter, Anti-explosion motor EX120W		Anti-explosion inverter, Anti-explosion motor EX180W
	Framework	Plastic or PTFE					
	Lifting Mode	/			Automatically		
	Collecting Device	/			Double collect bottles		
	Spray Prevented Device	Bath mates a transparent cover					
	Bath Pot Material	304 stainless steel					

Intellectual Ultrasonic Wave Cell Disrupter

Intellectual ultrasonic wave cell disrupter is a multi-function and multipurpose equipment utilizing the cavitation effect of ultrasonic waves in liquid. It is used in cell breaking of various animals and plants, viruses, bacteria and also can be used meanwhile in emulsification, separation, homogenization, extraction, defoaming cleaning and chemical reaction acceleration, etc.

This machine has already been used widely in the education, scientific research and production in fields such as biochemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science and pharmacy, etc.



Technical Parameters:

Model	Consumption(W)	Random(Φ)	Optional Broad Pole(Φ)	Brokerage Capacity(ml)	Duty Ratio(%)
UCD150L	150	6	2,3,6,8	0.5~100	0.1~99.9
UCD250L	250	6	2,3,8,10	0.5~200	0.1~99.9
UCD650L	650	6 or 8	2,3,6,8,10,15	0.5~500	0.1~99.9
UCD900L	900	10	2,3,6,8,15,20	0.5~600	0.1~99.9
UCD1200L	1200	15 or 20	10,15,20,25	50~1000	0.1~99.9
UCD1800L	1800	25	15,20,25	550~1200	0.1~99.9
UCD150	150	6	2,3,6,8	0.5~100	0.1~99.9
UCD250	250	6	2,3,8,10	0.5~200	0.1~99.9
UCD650	650	6 or 8	2,3,6,8,10,15	0.5~500	0.1~99.9
UCD900	900	10	2,3,6,8,15,20	0.5~600	0.1~99.9
UCD1200	1200	15 or 20	10,15,20,25	50~1000	0.1~99.9
UCD1800	1800	25	15,20,25	550~1200	0.1~99.9

Mini Compact Peristaltic Pump

Features:

- 1.With 42 stepper motor drive.
- 2.OLED/LED screen display the current motor speed, direction and working state.
- 3.Mask keypad/Toggle switch and digital knob control operation.
- 4.External control interface.
- 5.Embedded design, small volume, suitable for installing in other instruments. (only for MPP-EM series).
- 6.304 stainless steel housing, resist corrosion.(only for MPP-SP series)
- 7.Support RS485 with MODBUS protocol, convenient to connect with PLC.
- 8.Low power consumption.



MPP-EM series



MPP-SP series

Technical Parameters:

Model	MPP-EM1	MPP-SP1	MPP-EM2	MPP-SP2
Drive	SP-MiniPump			
Pump head	MiniPump 01		MiniPump 02	
Channel	1		2	
Tubing	13#	14#	16#	25#
Flow rate(ml/min)	0.0024~8.28	0.0112~33.88	0.0394~114.31	0.0652~190.00
Flow rate range	0.0024~190ml/min			
Speed range	0.1~300rpm, reversible			
Speed precision	0.1rpm			
Flow rate precision	0.01ml			
Motor type	42 stepper motor			
Display	OLED	LED	OLED	LED
Control method	Mask keypad	Toggle switch and digital knob	Mask keypad	Toggle switch and digital knob
External control	0~5V, 0~10V, 4~20mA; RS485 communication interface, MODBUS protocol			
Consumption	< 15W			
Power supply	24V DC, with power adapter			
Working condition	Environment temperature:0~40℃ Relative humidity : < 80%			
Drive size	110*120*120mm	136*113*108mm	110*120*120mm	136*113*108mm
Drive weight	0.8kg	1.98kg	0.8kg	1.98kg
IP rate	IP31			

Standard Peristaltic Pump

Features:

1. 3.2 LED display the current speed.
- 2.Mask keypad control the start/stop, speed and direction.
- 3.Load shedding memory function.
- 4.60 test function, can set the repeat numbers for simple dispensing.
- 5.The key of full /empty help you to quickly discharge the air from tubing and fill the fluid.
- 6.Indicator display the external control working mode and direction.
- 7.Support RS232 and RS485, the pump can be connected with PC to reach dispensing and filling function.
- 8.Special for laboratory use.



DG1-DG12



MC1-MC12



YZ1515X YZ2515X



SN15, SN25

Technical Parameters:

Drive	Speed Range	Pump Head	Tubing Size	Flow Rate (ml/min)
BT100N	0.5~150rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~570
		YZ2515x	15#, 24#	0.85~435
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00034~45
		SN25/15	14#, 16#, 25#	0.12~375
BT300N	0.5~350rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~1330
		YZ2515x	15#, 24#	0.85~1015
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00034~45
		SN25/15	14#, 16#, 25#	0.12~875
BT600N	0.5~600rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~2280
		YZ2515x	15#, 24#	0.85~1740
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00034~45
		SN25/15	14#, 16#, 25#	0.12~1500

Technical Parameters:

Model	SPP1	SPP3	SPP6
Drive	BK-BT100N	BK-BT300N	BK-BT600N
Flow rate range	0.00034~570ml/min	0.00034~1330ml/min	0.00034~2280ml/min
Speed range	0.5~150rpm	0.5~350rpm	0.5~600rpm
Speed precision	0.1rpm, reversible		
Display	LED		
Control method	Mask keypad		
External control	Start/stop control: TTL level 0~5V, 0~10V, 4~20mA signal; RS232, RS485 communication interface		
Power supply	AC110V ± 10%, 50Hz/60Hz AC220V ± 10%, 50Hz/60Hz		
Drive size	183*131*194mm	183*131*194mm	208*131*194mm
Drive weight	4.02kg	4.02kg	4.94kg
Consumption	< 45W		
Working condition	Environment temperature:0~40℃ Relative humidity : < 80%		
Output pressure	0.3Mpa		
IP rate	IP31		

Basic Peristaltic Pump

Features:

1. Dual CPU control, separating the drive and control, quick operation speed, stable work and high precise transfer.
2. Acceptable pump heads: YZ1515x, YZ2515x, SN series, MC series and DG series.
3. Digital knob control speed. Easy to operate with high control precision, and long-term service life. Ensure high accuracy of transfer fluid.
4. High torque and low power loss, connect many pump heads in series or install multichannel pump head for satisfying the different application situations.
5. Load-shedding memory function.
7. Choose free external control module: 0~5V, 0~10V and 4~20 mA. Three signals all can control remotely rotational speed of pump, and also control start and stop of pump by the switch signal.
8. RS485 communication interface with MODBUS protocol reach external control.



Technical Parameters:

Drive	Speed Range	Pump Head	Tubing Size	Flow Rate (ml/min)
BT100M	1~150rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.07~570
		YZ2515x	15#, 24#	1.7~435
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00067~45
		SN25/15	14#, 16#, 25#	0.24~375
BT300M	1~350rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.07~1330
		YZ2515x	15#, 24#	1.7~1015
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00067~45
		SN25/15	14#, 16#, 25#	0.24~875
BT600M	1~600rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.07~2280
		YZ2515x	15#, 24#	1.7~1740
		MC1-MC12	ID:0.13~3.17mm, Wall thickness: 0.8~1.0mm	0.00067~45
		SN25/15	14#, 16#, 25#	0.24~1500



DG1-DG12



MC1-MC12



YZ1515X YZ2515X



SN15, SN25

Technical Parameters:

Model	BPP1	BPP3	BPP6
Flow rate range	0.00034~570ml/min	0.00034~1330ml/min	0.00034~2280ml/min
Speed precision	0.1rpm (1~100rpm range) ; 1rpm (100~600rpm range). Reversible.		
Display	LED		
Control method	Digital knob and toggle switch		
External control	Start/stop control: TTL level 0~5V, 0~10V, 4~20mA signal; RS485 communication interface		
Power supply	AC110V ± 10%, 50Hz/60Hz AC220V ± 10%, 50Hz/60Hz		
Drive size	234*144*140mm	254*185*149mm	254*185*149mm
Drive weight	3.6kg	4.54kg	4.64kg
Consumption	< 45W		
Working condition	Environment temperature 0~40℃		
	Relative humidity < 80%		
Output pressure	0.3Mpa		
IP rate	IP31		

Intelligent Flow Rate Peristaltic Pump

Features:

- 1.4.3 inch color LCD display, touch screen control, dynamic display working status, display the flow volume and motor speed in the same screen.
- 2.Intelligent calibration function, it can calibrate the flow rate and dispensing volume, ensure the flow accuracy, suitable for high accuracy transferring liquid.
- 3.On-line micro adjust function, it can adjust the flow rate during production progress, to avoid the filling errors because of tubing fatigue and elasticity decreased.
- 4.Accurate angle control technology, to meet high precision metering and dispensing.
- 5.Fixed volume measurement function: After turn on this function, the peristaltic pump will measure the liquid volume automatically, it will stop automatically after the volume reaches the set value. During this process, the flow rate can be changed. It is suitable for laboratory liquid dosing and chemical reaction process.
- 6.Fixed time and volume function: After turn on this function, the peristaltic pump will transfer preset volume within preset time. It is suitable for liquid dispensing in laboratory and industrial production.
- 7.Timer start and stop function: Can set the pump start and stop time freely, reach automation control.
- 8.Load-shedding memory function, store the running parameters in time, safe and reliable.
- 9.Fast fluid-filled function, can wash the tubing and also fill fluid in the tubing.
- 10.High torque and low power loss, it can load several pump heads or multichannel pump head, meet different application requests.
- 11.3 measurement modes: fixed volume measurement, fixed time and volume, timer start and stop.



DG1-DG12



MC1-MC12



YZ1515X YZ2515X



SN15, SN25

Technical Parameters:

Model	FPP1				FPP3				FPP6			
Drive	V1				V3				V6			
Speed range	0.1~150rpm				0.1~350rpm				0.1~600rpm			
Pump head	YZ 1515x	YZ 2515x	MC1 ~MC12	SN 25/15	YZ 1515x	YZ 2515x	MC1 ~MC12	SN 25/15	YZ 1515x	YZ 2515x	MC1~ MC12	SN 25/15
Tubing size	13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#	ID:0.13N 3.17mm, Wall thickness: 0.8~1.0mm	14#, 16#, 25#	13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#	ID:0.13~ 3.17mm, Wall thickness: 0.8~1.0mm	14#, 16#, 25#	13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#	ID:0.13~ 3.17mm, Wall thickness: 0.8~ 1.0mm	14#, 16#, 25#
Flow rate (ml/min)	0.007 ~570	0.17 ~435	0.000067 ~45	0.024 ~375	0.007 ~1330	0.17 ~1015	0.000067 ~45	0.024 ~875	0.007 ~2280	0.17 ~1740	0.000067 ~45	0.024 ~1500
Flow rate range	0.007~570ml/min				0.007~1330ml/min				0.007~2280ml/min			
Speed precision	0.01 rpm											
Flow rate precision	0.01ml											
Back suction angle	0~360°											
Output pressure	0.3Mpa											
Display	4.3 inch-Industrial grade-True color LCD screen											
Control method	Touch screen and mask keypad											
External control	0~5V, 0~10V, 4~20mA											
	Passive switch signal, such as : foot pedal. Active switch signal: 5V, 12V, 24V for option.											
	RS232, RS485 support MODBUS protocol (RTU mode)											
Power supply	AC220V ± 10%, 50Hz/60Hz (standard), AC110V ± 10%, 50Hz/60Hz (optional)											
Drive size	213*152*235mm											
Drive weight	5.02kg											
Consumption	< 50W											
Working condition	Environment temperature: 0~40℃ Relative humidity: < 80%											
IP rate	IP31											

Industrial Flow Rate Peristaltic Pump

Introduction :

It is the first choice for high level industrial sites, large flow rate, high precision and intelligent control liquid transferring.

Features:

- 1.Imported 4.3 inch – industrial grade – true color LCD screen.
- 2.Serve motor drive, precise control, strong power, low vibration and low noise.
- 3.BIOBASE-V-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
- 4.BIOBASE-V-EMB operation system, embedded software design, powerful function, friendly interface, attention to users' experience.
5. Intelligent calibration function, can calibrate the flow rate or dispensing volume, ensure the flow rate accuracy. Suitable for high precision transferring liquid.
6. Fixed volume measurement function: the pump will measure the liquid volume automatically, it will stop automatically after the volume reach the set value. During the process, you can change the flow rate freely. It is suitable for laboratory liquid dosing and chemical reaction process.
7. Fixed time and volume: the pump will transfer fixed volume within set time. It is suitable for liquid dispensing in laboratory and industrial production.
8. Timer start and stop function: Can set the pump start and stop time freely, reach automation control.
- 9.Online micro adjusting function: During the production process, if the tubes fatigue or abrasion, you can use the online micro adjusting function to adjust the flow rate without stop the pump.
10. Unique accurate angle control technology, achieve high accuracy dispensing and dosing.
- 11.Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
- 12.Automatic temperature control system, reducing the fan noise effectively.
- 13.Power down memory function, store the running parameters in time, safe and reliable.
14. Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
- 15.Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
16. 304 stainless steel housing, comply with pharmaceutical GMP certificate requirement.
- 17.DZ25-3L, DZ25-6L and YZ35 pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance, excellent quality.



Technical Parameters:

Model	IFPP3				IFPP6				IFPP12	
Drive	V6-3L				V6-6L				V6-12L	
Pump head	DZ25-3L				DZ25-6L				YZ35	
Tubing	15#	24#	35#	36#	15#	24#	35#	36#	73#	82#
Flow rate (ml/min)	0.211~900	0.385~1800	0.508~3000	0.6~3600	0.3~1800	0.55~3300	0.8~4800	1.0~6000	1.23~7400	2.0~12000
Flow rate range	0.211~3600ml/min				0.3~6000ml/min				1.23~12000ml/min	
Speed range	0.1~600 rpm, reversible									
Speed precision	0.01 rpm									
Flow rate precision	0.01ml									
Accuracy	< ± 0.5%									
Back suction angle	0~360°									
Output pressure	0.3Mpa									
Control method	Touch screen and mask keypad									
External control	0~5V, 0~10V, 4~20mA									
External control start/stop and direction	Passive switch signal, such as : foot pedal switch Active switch signal: 5V, 12V, 24V for option.									
Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)									
Output interface	Output motor working status (Open-Collector output)									
Power supply	AC220V ± 10%, 50Hz/60Hz (standard), AC110V ± 10%, 50Hz/60Hz (optional)									
Drive size	223*152*200mm				283*192*218mm				302*223*275mm	
Drive weight	5.05kg				7.85kg				13.14kg	
Consumption	< 80W				< 180W				< 300W	
Working condition	Environment temperature: 0~40℃ , Relative humidity: < 80%									
IP rate	IP31									

Dispensing Peristaltic Pump

Introduction:

It is suitable for non-pollution and high precision liquid dispensing. The filling accuracy is 0.5%~1%.

Features:

- 1.Imported 4.3 inch – industrial grade– true color LCD screen. Dynamic display dispensing status. The dispensing volume, dispensing time, pause time, copy numbers and system setting also displayed in the same screen.
- 2.Accurate angle control technology, high precision filling.
- 3.Intelligent calibration function, it will calibrate the filling volume before production to ensure the filling accuracy, help you to improve the working efficiency.
- 4.The online calibration and online micro adjusting function, to make you convenient to calibrate or micro adjust the filling unit during the production progress. It can avoid the filling errors because of tubing fatigue and elasticity decreased.
5. Real-time monitoring, dynamic display the results of the monitoring. With alarm function, ensure the safety in production.
6. The filling system can store 60 common filing modes, save users setting time, and improve working efficiency.
7. Back suction angle (0~360°) setting avoid liquid drop off when the pump stop working.
- 8.The pump can connect with foot switch to control the start /stop. It can be also controlled by the host computer when working in filling line or receive stop signal when missing bottles.
9. Automatic temperature control system, reducing the fan noise effectively.
10. Power down memory function, store the running parameters automatically.
- 11.Fast filling liquid function can be used for washing tubing, also can fast fill liquid into the tubing.
- 12.Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.



DG1-DG12



MC1-MC12



YZ1515X YZ2515X



SN15、SN25

Technical Parameters:

Model	DPP1				DPP3				DPP6			
Drive	F1				F3				F6			
Pump head	YZ 1515x	YZ 2515x	MC1~ MC12	SN 25/15	YZ 1515x	YZ 2515x	MC1~ MC12	SN 25/15	YZ 1515x	YZ 2515x	MC1~MC12	SN 25/15
Tubing size	13#,14#, 19#,16#, 25#,17#, 18#	15#, 24#	ID:0.13~ 3.17mm, Wall thickness: 0.8~ 1.0mm	14#, 16#, 25#	13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#	ID:0.13~ 3.17mm, Wall thickness: 0.8~1.0mm	14#, 16#, 25#	13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#	ID:0.13~ 3.17mm, Wall thickness: 0.8~1.0mm	14#, 16#, 25#
Flow rate (ml/min)	0.07 ~570	1.7 ~435	0.00067 ~45	0.24~ 375	0.07~ 1330	1.7~ 1015	0.00067 ~45	0.24 ~875	0.07~ 2280	1.7~ 1740	0.00067 ~45	0.24 ~1500
Flow rate range	0.00067~570ml/min				0.00067~1330ml/min				0.00067~2280ml/min			
Speed range	1~150rpm				1~350rpm				1~600rpm			
Speed precision	0.1rpm, reversible											
Display	4.3 inch LCD screen											
Control method	Touch screen and mask keypad											
External control	Start/stop, direction control: Switch signal (5V, 12V, 24V)											
Power supply	AC110V ± 10%, 50Hz/60Hz AC220V ± 10%, 50Hz/60Hz											
Drive size	213*152*235mm											
Drive weight	5.20kg											
Consumption	< 50W											
Working condition	Environment temperature: 0~40℃ Relative humidity: < 80%											
Output pressure	0.3Mpa											
IP rate	IP31											

Industrial Dispensing Peristaltic Pump

Introduction:

This pump suitable for large flow volume, high efficiency and high accuracy filling. Such as: filling 500ml, the efficiency is 15 bottles per minute. Accuracy is $\pm 0.5\%$.

Features:

- 1.Imported 4.3 inch – industrial grade – true color LCD screen, clear picture quality, more guarantee quality. Dynamic display dispensing status, dispensing volume, dispensing time, pause time, copy numbers and system setting in the same screen.
- 2.Serve motor drive, precise control, strong power, low vibration and low noise.
- 3.BIOBASE-F-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
- 4.BIOBASE-F-EMB operation system with unique accurate angle control technology, achieve high accuracy dispensing and dosing.
- Intelligent calibration function, can calibrate the flow rate or dispensing volume, ensure the flow rate accuracy.
- Suitable for high precision liquid filling.
6. Online micro adjusting function. During the production process, if the tubes fatigue or abrasion, you can use the online micro adjusting function to adjust the flow rate without stop the pump.
7. The pump can store 60 common filling modes, save users setting time.
8. Back suction angle setting, avoid liquid drop off when the pump stop working.
9. External control start/stop function, it can connect with foot pedal switch. The pump also can be controlled by the host computer when working in filling line.
- 10 Automatic temperature control system, reducing the fan noise effectively.
11. Power down memory function, store the running parameters in time, safe and reliable.
12. Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
13. Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
14. Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
15. 304 stainless steel housing, comply with pharmaceutical GMP certificate requirement. Meantime, use seamless welding technology, avoid accidental spilled liquid on the housing infiltrate inside, to protect the inside circuit board.
16. DZ25-3L, DZ25-6L and YZ35 pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance, excellent quality.



Technical Parameters:

Model	IDPP3	IDPP6	IDPP12
Drive	F6-3L	F6-6L	F6-12L
Pump head	DZ25-3L	DZ25-6L	YZ35
Tubing	15# 24# 35# 36#	15# 24# 35# 36#	73# 82#
Flow rate (ml/min)	2.11~900	3.85~1800 5.08~3000 6~3600	3~1800 55~3300 8~4800 10~6000 12.3~7400 20~12000
Flow range	2.11~3600ml/min	3.0~6000ml/min	12.3~12000ml/min
Speed range	1~600 rpm, reversible.		
Speed precision	0.001rpm		
Dispensing flow rate range	0.1~9999.99ml		
Flow rate precision	0.01ml		
Dispensing time	0.5~9999.99 s		
Pause time	0.5~9999.99 s		
Time precision	0.01 s		
Copy numbers	1~9999, 0 means unlimited cycle.		
Back suction angle	0~360°		
Accuracy	$\pm 0.5\%$		
Control method	Touch screen and mask keypad		
External control	Passive switch signal, such as : foot pedal switch Active switch signal: 5V, 12V, 24V for option.		
Communication interface	RS232, RS485. Support MODBUS communication protocol.		
Output interface	Output motor working status (Open-Collector output)		
Output pressure	0.3Mpa		
Power supply	AC220V $\pm 10\%$, 50Hz/60Hz (standard); AC110V $\pm 10\%$, 50Hz/60Hz (optional)		
Drive size	223*152*200mm	283*192*218mm	302*223*275mm
Drive weight	5.05kg	7.85kg	13.14kg
Consumption	< 80W	< 180W	< 300W
Working condition	Environment temperature: 0~40°C ; Relative humidity: < 80%		
IP rate	IP31		

Hematology Analyzer

Automatic Hematology Analyzer mainly used to detect the parameters of the series of red blood cells and hemoglobin, platelet and leukocyte in the blood.

It is a vitro diagnostic equipment which is applied to quantitative analysis of blood cells of clinical and laboratory.

The machine is mainly used for the quantitative measurement of the blood in the 19 parameters and 3 histograms:

1 The total amount of WBC	WBC
2 The amount of Lymphocyte	Ly#
3 The amount of Monocyte	MO#
4 The amount of Granulocyte	GR#
5 Lymphocyte percentage	Ly%
6 The percentage of mononuclear cells	MO%
7 Granulocyte percentage	GR%
8 The total amount of red blood cells	RBC
9 Hemoglobin	HGB
10 Hematocrit	HCT
11 Mean volume of red blood cells	MCV
12 Mean corpuscular hemoglobin	MCH
13 Mean corpuscular hemoglobin concentration	MCHC
14 Red blood cell volume distribution width Coefficient of variation	RDW-cv
15 The standard deviation of red blood cell volume distribution width	RDW-sd
16 The total amount of platelet	PLT
17 Mean platelet volume	MPV
18 Plateletcrit	PCT
19 Platelet distribution width	PDW
20 White blood cell distribution histogram	WBC Histogram
21 Red blood cell distribution histogram	RBC Histogram
22 Platelet distribution histogram	PLT Histogram



Technical parameters:

Model	Structure and Function
BK-6000	10.4-inch 640*480-TFT color LCD display, panel-type thermal printer, mask button, built-in common sampling and diluting (store 20000 data)
BK-6100	8-inch 800*600-TFT color LCD display, panel-type thermal printer, mask button, built-in common sampling and diluting (storage 10,000 data)
BK-6100A	8-inch 640*480-TFT color LCD touch screen, panel-type thermal printer, built-in common sampling and diluting (store 20000 data)

Micro-soil Disintegrator



Model: MSD-102

Uses:

It is the special instrument for soil analytical study. It is used for all kinds of soil crushing.

Characteristics:

1. Rotary disintegrator, which works by the action of rotary rotor and cutter.
2. Featured by continuous working time, high efficiency and excellent crushing effect, blade space can be adjusted according to soil fineness.

Technical Parameters:

Model	Power Supply (V)	Consumption (W)	Speed (r/min)	Grinding (mesh)	diameter of screen (mm)	Working time	Product Size (W*D*H) (mm)	Packing Size (W*D*H) (mm)	Net Weight (kg)	Gross Weight (kg)
MSD-102	220	250	1400	30~200	0.5/1/1.5	continuous	300*185*290	350*240*285	15±0.5	16.5

Disintegrator

1. Microphyte Disintegrator



Features:

1. Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
2. Featured by lightweight, small volume, compact structure, continuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.

Technical Parameters:

Model	Power Supply (V)	Consumption (W)	Speed (r.p.m)	Grinding (Mesh)	Product Size (W*D*H) (mm)	Packing Size (W*D*H) (mm)	Net Weight (Kg)	Gross Weight (Kg)	Mesh Size (mm)	Working Time
MPD-102	220	250	1400	30~120	300*185*290	350*240*290	15±0.5	16.5	0.5/1/1.5	continuous

2. High-speed Universal Disintegrator



Technical Parameters:

Model	Power Supply (V)	Consumption (W)	Speed (r/min)	Smashing (mesh)	Product Size (W*D*H)(mm)	Packing Size (W*D*H)(mm)	Net Weight (Kg)	Gross Weight (Kg)
HSD-80	220	200	10000	60~200	Φ130*280	300*160*180	4±0.3	4.5
HSD-100	220	460	24000	60~200	Φ140*290	325*180*190	3±0.3	3.5
HSD-80-I	220	400	21000	60~200	Φ110*260	300*180*190	3.3	3.5

3. Pharmaceutical Mill

Features:

1. Excellent air-tightness, stable performance, continuous working time, time and cost saving.
2. Casting steel grinding system, which is durable and efficient.
3. Convenient to clean, easy to operate, and reliable.



Technical Parameters:

Model	Power Supply (V)	Consumption (KW)	Speed (r/min)	Working Time	Grinding (mesh)	Product Size (W*D*H)(mm)	Packing Size (W*D*H)(mm)	Net Weight (Kg)	Gross Weight (Kg)
PMD-130	220/380	1.5	5800	continuous	60~200	490*380*700	530*450*750	57	68

4. Herbal Medicine Disintegrator

Features:

1. Stainless steel smashing chamber ensures high crushing accuracy.
2. Air-cooled high-speed electric engine enables all kinds of soft and hard herbal medicine smashing.
3. Convenient to clean, easy to operate, and high efficient with excellent grinding effect.



Technical Parameters:

Model	Capacity (g)	Power Supply (V)	Consumption (w)	Speed (r/min)	Grinding (mesh)	Products Size (W*D*H)(mm)	Packing Size (W*D*H)(mm)	Net Weight (Kg)	Gross Weight (Kg)
HMD-135	200	220	800	24000	60~200	200*220*330	250*250*400	6.5	7
HMD-177	400	220	1200	24000	60~200	200*240*360	250*250*430	9.5	10.4

BIOBASE Auto ELISA Reader

The product can be widely used in the fields of hospital clinical diagnosis, immune pathology testing, microbial antigen and antibody detection, parasitic diseases diagnosis, blood disease diagnosis, endocrine disorder measure, plant diseases and insect pests Studies and other fields.



BIOBASE-EL10



BIOBASE-EL10A

Technical parameters:

Model name	BIOBASE-EL10	BIOBASE-EL10A
Type	Semi auto	Full auto
Plate type	Any format	48-hole, 96-hole microplates or bars.
Light source	Single light source, Halogen tungsten Lamp, with an average life expectancy ≥ 5000 hours	
Detector	Photomultiplier Tube	Silicon photocell
Wave length	400nm-700nm	400nm-750nm
Optical Filter	Standard 405, 450, 492, 630nm, other wavelengths can be optional	
Absorbance range	0.000-4.000Abs	
Measurement mode	Manual single-wavelength (vertical single-optical-channel)	Single-, dual-wavelength automatic measurement
Calculation mode	Qualitative (S/CO, P/N, N/P, Inhibitory rate, etc) and Quantitative analysis	Open type qualitative determination and quantitative Analysis
Repeatability	CV $\leq \pm 1\%$	CV $\leq 0.3\%$
Stability	$\leq \pm 0.003\text{Abs}$	
Resolution	0.001Abs	
Reading speed	$\leq 6\text{s}/96\text{well plate, single wavelength}$	
Vibration plate mode	5 strength (from weak to strong) can be set, time 0-240s adjustable	
Display	LCD and Membrane keypad	Large-screen LCD display, touch screen input
Interface	USB printer interface, RS232	
Printer	Built-in	(Optional) External wide-line printer
Power supply	AC220V/110V $\pm 10\%$, 50/60Hz	

BIOBASE-EL10B Fully automatic ELISA Reader

Advanced optical system

1. 8 channel optical fiber system enables 5 secs' reading for 96 well plate
2. Auto position function, ensures accurate results
3. Bichromatic measurement, Multi-calculation methods include ABS, Cut-off, Linearity and Log.
4. 405nm, 450nm, 492nm, 630nm, 4 free positions

Intelligent software

1. Big LCD, question and answer mode for program, humanity design, easy to operate
2. PC controlled, Elisa WorkStation Function
3. Self-test enables normal condition for any operate
4. Plate shaking modes editable, enables excellent mixing, giving the reliable results
5. Multi-test Methods, qualitative and Quantitative Test
6. Critical value analysis, quantitative analysis, quality control etc
7. Large storage capacity for 28 test programs
8. Intelligent Operating software, able to communicate with PC

Specifications

1. Plate Type: 96 or 48 well plate or strips
2. Reading Speed: 5 second for 96 well plate
3. Light Source: Cold light source
4. Wavelength Range: 340-750nm
5. Filters: 405nm, 450nm, 492nm, 630nm, 4 open positions
6. Linearity range: $\pm 1\%$ (0.000-2.000Abs)
7. Measure Mode: Monochromatic, Bichromatic
8. Plate shaking: Time & Speed adjustable
9. Display: 240*128LCD
10. Interface: Bi-directional LIS interface for data transfer and handling
11. Power supply: AC220V/110V $\pm 10\%$, 50/60Hz
12. Dimension: 440(L)mm*305(W)mm*154(H)mm
13. Net weight: 7kg



Automatical Microplate Washer BIOBASE–MW9621/9622

Features:

1. It can be adapted to the 96- and 48-well Microplates.
2. Regulates rinse position of cleaning head according to user requirements.
3. Chooses to set washing parameters for different effects.
4. External programming/downloading available through RS-232 ports.



Technical parameters:

Model	BIOBASE–MW9621	BIOBASE–MW9622
Microplate Types	48-well, 96-well	48-well, 96-well
Washing	Automatic washing 5 ways	Automatic washing 5 ways
Washing the row number of microplate	1 row per time 1- 12 rows	2 row per time 1- 12 rows
Average Residue	2ul per well	2ul per well
Dispense Precision	≤ 3% CV	≤ 3% CV
Shaking	5 ways	5 ways
Memory	100 programs	100programs
Wash Cycles	1-20	1-20
Soak Time	Programmable in seconds, up to 20 minutes.	Programmable in seconds, up to 20 minutes.
Anti-overflow	Excess fluid is automatically discharged.	Excess fluid is automatically discharged.

Working Environment:

1. Environment:
 - a) Operating Temperature: 15° C to 30° C;
 - b) Relative humidity: ≤ 80%
 - c) Range of atmospheric pressure: 86.0kPa ~ 106.0kPa
 - d) Surrounding environment: Non-corrosive gases, no mechanical vibration and no strong magnetic field interference.
2. Electrical: 220+22Volts AC 50+1Hz
3. Power: ≤ 80W

Accessory:

Power Cord, Fuse Tube, Wash Bottle, Waste Bottle, Pass Needle, Silicone Tube, Cleaning head, Manual, Warranty Card

Automatical Microplate Washer BIOBASE–MW9623

Specification:

Flexible and easy to use

1. Large and high brightness LCD display, intelligent software, easy to operate
2. Pre-washing function to avoid tubes plugging
3. Self calibration and trouble alarm function
4. New protection design, no liquid spilling
5. Two groups of needles on washing head to minimize carryover
6. Large memory to store up to 100 programs
7. 10 different shape plates acceptable
8. Several washing channels for use



Advanced washing system and intelligent software:

1. Residual volume ≤ 2ul, ensure excellent washing
2. Flat, U or V-bottom plates and strips washing
3. Multiple modes for washing, low air bubble
4. Strong washing function, bottom washing and two positions aspiration make completed washing effect
5. Automatic monitoring of vacuum and pressure, automatic rinse cycle
6. 8-channel or 12 channels optional
7. Plate shaking and soaking function, time of speed is adjustable
8. 5 positions of needles are adjustable, fit for multi-kind of plates

Parameter:

Plate: 48/96-well

microplate and trips (U,V, Flat bottom)

Residual Volume: ≤ 2ul

Dispensing volume: Adjustable from 50 to 900 ul

Wash cycles: 1-16 optional

Mode of wash: From 1 to 12, row and rank, selectable

Soak time: Up to 990 seconds adjustable

Shake time: Up to 990 seconds adjustable

Display: Large LCD

Channel: 1 washing channel, one distilled water channel, one waste liquid

Memory: up to 100 programs can be stored

Interface: RS232

Dimension: 440(L) mm × 305(W) mm × 154 (H) mm

Net Weight: 7.5kg

Power Supply: AC220V ± 10%, 50/60Hz; AC110V ± 10%, 50/60Hz

Pre-processing of Bio-samples Homogenizer

Features for HG-24 Homogenizer

1. "3D Rotating High Speed Motion" for quick disruption of those fibrous tissues and resistant cells
2. 50 Programmable memory settings and user optional condition settings
3. A wide range of rotation speed settings from 4.0 m/s to 7.0 m/s, increment 0.05 m/s
4. Brushless motor realizing no brush particle generation and no brush replacement
5. Easy to remove sample tube holder and easy to fix sample tubes with the turn of the central knob
6. Easy to monitor the disruption process through the clear lid
7. Simultaneously homogenize either 24x2ml / 1.5ml / 0.5ml or 6x5ml tubes
8. Disposable tubes ensure no threat of cross-contamination
9. Most samples can be processed in 35 seconds or less

Typical Samples

- Human, animal, plant cells
- Micro-organisms
- Soil and sediments
- Swabs and feces
- Drugs, polymers, lotions, etc.

Technical Specification for HG-24 Homogenizer

1. Speed Range: 4.0 m/s ~ 7.0 m/s (in steps of 0.05 m/s)
2. Cycle Duration: 1 ~ 90 s (in step of 1 s)
3. Pause Time: 0 ~ 2 minutes
4. Acceleration: $\leq 2s$
5. Deceleration: $\leq 2s$
6. Programmable: 50 Saved Programs
7. Number of Cycles: 10
8. Display: Organic-LED, High light and no visual angle limit
9. Number of Samples: 1~24 samples (24*2ml / 1.5ml / 0.5ml) or 1~6 samples (5ml tubes)
10. Running Noise: < 68db
11. Weight: 25kg
12. Compliance: CE Compliance
13. Dimensions: 280*360*385mm (W*D*H)



HG-24

Overview of the HG-24 procedure



Semi Automated Plate Sealer

Features

1. Format different micro well plates and heat seals
2. Adjustable Sealing Temperature: 80 ~ 200°C
3. OLED display screen, high light and no visual angle limit
4. Precise temperature, timing and pressure for consistent sealing
5. Automatic counting function
6. Compact footprint: only 7.0 inches (17.8cm) wide

Control

The PS-2 Semi Automated Plate Sealer allows optimal settings for all types of plates and sealing material. Sealing time and temperature can be set using the control knob



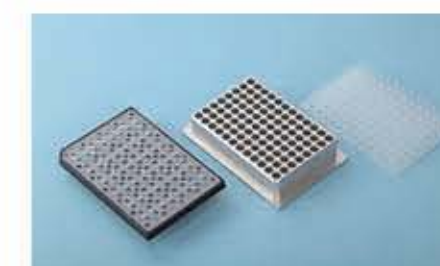
1. Sealing Temperature in 1.0° C increments
2. Sealing Time in 0.1 sec increments
3. Automatic Counting Function

Specification

1. Display: OLED
2. Adjustable sealing temperature: 80 ~ 200°C
3. Temperature accurate: 1.0°C
4. Seal time: 0.5s ~ 10s, increased by 0.1 sec.
5. Input power: 300W
6. Dimension(D*W*H): 370mm*178mm*330mm
7. Weight : 9.6kg
8. Seals plate height: 9 to 48mm high
9. Compatible Plate Materials: PP (Polypropylene)
PS (Polystyrene)
PE (Polyethylene)
10. Compatible Plate Types: Standard Assay Plates,
Deep-Well Plates
PCR Plates including skirted



Accessories



96-well PCR plate adapter



Standard plate adapter



Weighted sealing flake

Denaturation & Hybridization System

Features for HS-500 Hybridization System

1. User programmable settings

- 1) Touch screen allows for easy to read and easy programming
- 2) 99 user programmable settings
- 3) Four operation modes: denaturation/hybridization, hybridization, custom, In-situ PCR
- 4) Can be used as a fixed temperature slide warmer

2. Easy to use

- 1) Eliminates manual steps and reduces hands-on time during FISH procedures
- 2) Slides do not need to be fully loaded to maintain temperature accuracy
- 3) Slide guide keeps slides in place and allows for one hand removal

3. More stringent temperature control

- 1) Rapid temperature ramp-up and accuracy of $\pm 1^{\circ}\text{C}$
- 2) Superior temperature uniformity across all slide positions
- 3) Programmable system, it can be runned In-situ PCR experiments

4. Ideal for humidity control

- 1) Perfect lid seals tightly will maintain uniform temperature and ensure humidity across all slide positions

Specification for HS-500 Hybridization system

1. Temperature Control Range: $\text{RT}+5^{\circ}\text{C} \sim 100^{\circ}\text{C}$
2. Temperature Accuracy: $\pm 1^{\circ}\text{C}$
3. Temperature Uniform: $\pm 1^{\circ}\text{C}$
4. Processing Timer: 1min~99h59min
5. Heating Time (37°C to 95°C): $\leq 3\text{min}$
6. Cooling Time (95°C to 45°C): $\leq 7\text{min}$
7. Temperature Control Programmable: $30^{\circ}\text{C} \sim 100^{\circ}\text{C}$
8. Capacity: 12 Slides
9. Overall Dimensions (L*W*H): 420*225*143mm
10. Net Weight: 5.8kg



HS-500



HS-500 also

- ① Touch screen, easy to read and use
- ② 12 slides with superior temperature uniformity
- ③ Heating lid and lid seals tightly will maintain uniform temperature and humidity

Thermo Shaker Incubator

Specification for TSI-100 Thermo Shaker

1. Temperature Setting Range: $0^{\circ}\text{C} \sim 100^{\circ}\text{C}$
2. Temperature Control Range: $0^{\circ}\text{C} \sim 100^{\circ}\text{C}$
3. Timing Range: 1 min~99h59min
4. Mixing Speed: 200rpm~1500rpm
5. Mixing Orbit: 2mm
6. Temperature Control Accuracy: $< \pm 0.5^{\circ}\text{C}$
7. Display Accuracy: 0.1°C
8. Heating Time: $\leq 20\text{min}$ (from 20°C to 100°C)
9. Cooling Time: $\leq 25\text{min}$ (from ambient to ambient $- 20^{\circ}\text{C}$) $\leq 15\text{min}$ (from 100°C to 20°C)
10. Cooling depth:
 - 1) The block temperature can be descended to 0°C if the ambient temperature is 20°C
 - 2) The block temperature can be descended to 4°C if the ambient temperature is 25°C
 - 3) The block temperature can be descended to 10°C if the ambient temperature is 30°C
11. Cooling and Heating Parts: TE Module
12. Supply Power: AC220V 50/60Hz or AC120V 50/60Hz
13. Dimension (L*W*H) mm: 300*220*175
14. Net Weight: 8.5 kg



TSI-100

Features for VM-100 Multi-Tube

Vortex Mixer

1. Can handle 50 samples
2. Two modes: continuous type of work or Programmable pulsing mode
3. Microprocessor control
4. LCD display, and easy to use the panel
5. The variable speed microprocessor control provides consistent uniform mixing action
6. Independent LCD displays for speed and time allow operator to view both settings at once



VM-100

Technical parameters

- Speed Range: 500~2500rpm
 Speed Accuracy: $\pm 10\text{rpm}$ (at 2500rpm detection)
 Timing Range: 1min~100h
 Working Diameter: 3.6mm
 Maximum Load: 4.5kg
 Dimensions: 250*426*480 mm
 Weight: 21.5kg
 Power: 230V or 120V, 50/60Hz, 60W

Specification MS-4 Microplate Shaker

1. Speed: 300~1400 rpm/min — Standard
 300~1000 rpm/min — Deepwell
2. Timer: 59h99min
3. Orbit: 3mm
4. Weight: 7kg
5. Power: 100~240V 40W
6. Dimensions: 280*270*110mm



MS-4

Dry Bath Incubator

Features for Dry Bath Incubator

1. Exceptional temperature uniformity and accuracy -- due to advanced temperaure control combined with high quality, precision engineered block providing excellent thermal contact
2. Wide range of interchangeable aluminium blocks
3. Heat to 105°C , optional external temperature probe
4. Blocks available as accessories for all applications – tubes, vials and microplates
5. Block extraction tool is supplied, allowing blocks to be removed easily
6. 2-years warranty as standard

1.Specification for DBI- I Dry Bath Incubator

1. Temperature Control Range: RT+5°C ~ 105°C
2. Stability @ 100°C : ±0.4°C
3. Uniformity: within the block @ 37°C : ±0.2°C
4. Heating Time (25°C to 100°C) : ≤ 15min
5. Display Accuracy / Display: 0.1°C / LED
6. Timing Range: 1min ~ 99h59min
7. Block Quantity: 1
8. Dimensions L*W*H (mm): 250*190*130
10. Weight (kg): 2.5



DBI- I

2.Specification for DBI- II Dry Bath Incubator

1. Temperature Control Range: RT+5°C ~ 105°C
2. Stability @ 100°C : ±0.4°C
3. Uniformity: within the block @ 37°C : ±0.2°C
Across similar blocks @ 37°C : ±0.3°C
4. Heating Time (25°C to 100°C) : ≤ 15min
5. Display Accuracy / Display: 0.1°C / LED
6. Timing Range: 1min ~ 99h59min
7. Block Quantity: 2
8. Dimensions L*W*H (mm): 365*210*150
10. Weight (kg): 4.5



DBI- II

3.Specification for Dry Bath Incubator DBI- III

1. Temperature Control Range: from 5°C above ambient to 100°C
2. Time Required For Temperature To Increase From 20°C To 100°C : ≤ 15 min
3. Temperature Control Discrepancy: ≤ ±0.5°C
4. Display Discrepancy: ±0.1°C
5. Homogeneity Of Block Temperature: ≤ ± 0.5°C
6. Maximum Heating Power: 150W
7. Maximum Temperature: 105°C
8. Time Range: 99 h 59 min



DBI- III

4. Specification for Dry Bath Incubator DBI- IV

1. Temperature Control Range: -10°C ~100°C
2. Timing Range: 1min~99h59min
3. Temperature Control Accuracy: ≤ ±0.3°C
4. Display Accuracy: 0.1°C
5. Heating Time: ≤ 15min (from 20°C to 100°C)
6. Cooling Time:
≤ 20min (from 20°C to -5°C) If the room temperature is lower 30°C
≤ 15min (from 20°C to -10°C) If the room temperature is lower 25°C
7. Heating And Cooling Parts: TE Module
8. Dimension (LxWxH): 300x220x170 mm
9. Net Weight: 5Kg



DBI- IV

5.Specification for DBI- V Dry Bath Incubator

1. Temperature Control Range: from 5° C above ambient to 80°C
2. Timing Range: 1min~999min or 1sec~999sec
3. Temperature Control Accuracy: ≤ ± 0.3°C
4. Display Accuracy: 0.1°C
5. Heating Time: ≤ 10 min (from 20°C to 80°C)
6. Heating Parts: Heater



DBI- V

6.Specification DBI- VI Dry Bath Incubator

1. Temperature Control Range: from 5°C above ambient to 150°C
2. Time Required For Temperature To Increase From 40°C To 150°C : ≤ 30 min
3. Temperature Control Discrepancy: ≤ ±0.5°C
4. Display Discrepancy: ±0.1°C
5. Homogeneity Of Block Temperature: ≤ ± 0.5°C
6. Maximum Heating Power: 200W
7. Dimension: 280 x 240 x 110 mm
8. Time Range: 99 h 59 min



DBI- VI



Sample Concentration

Features:

1. High precision and wide range of temperature control
2. Blowing a large number of samples at one time
3. Blowing each sample independently
4. Amount of airflow can be adjusted
5. Easy operation; safe and reliable to use



SC- I

Specification for SC- I Sample Concentrator

1. Temperature Range: RT.+5~150°C
2. Temperature Control Discrepancy: $\leq \pm 0.5^\circ\text{C}$ (RT+5°C ~150°C)
 $\leq \pm 1^\circ\text{C}$ (100°C ~ 150°C)
3. Low Nitrogen Consumption Of 330ml/min/sample
4. Time Required For Temperature To Increase From 40°C to 150°C :
 $\leq 30\text{m}$ minutes
5. Maximum Input Power: 200W
6. Temp. Control Discrepancy: $\pm 0.1^\circ\text{C}$
7. Dimensions: 280W*240D*500H
8. Net Weight: 6Kg
9. All units will fit and are recommended to be used in a bench-top, ventilated hood
10. Needles Length: 150mm



SC- II

Specification For SC- II Sample Concentrator

1. Temperature Range: room temp. +5~150°C
2. Temperature Control Discrepancy: $\leq \pm 1^\circ\text{C}$ (RT+5°C ~100°C)
 $\leq \pm 1.5^\circ\text{C}$ (100°C ~ 150°C)
3. Low Nitrogen Consumption Of 330ml/min/sample
4. Time Required For Temperature To Increase from 40°C to 150°C : $\leq 30\text{m}$ minutes
5. Maximum Input Power: 400W
6. Temp. Control Discrepancy: $\pm 0.1^\circ\text{C}$
7. Dimensions: 280W*240D*500H
8. Net Weight: 7Kg
9. All units will fit and are recommended to be used in a bench-top, ventilated hood
10. Needles Length: 150mm

Biological Indicator Incubator

1. Features For BIN- I Biological Indicator Incubator

1. LCD display, with 12V power for ease of portability
2. Operating Temperature Range: From 5°C above ambient to 80°C
3. Time Range: 1min ~ 99h59min
4. Temp.Control Accuracy: $\leq \pm 0.5^\circ\text{C}$
5. Display Accuracy: 0.1°C
6. Heating Time: < 6min (from 20°C to 57°C)
7. Temp.Control Accuracy @57°C: $\leq \pm 0.35^\circ\text{C}$
8. Dimensions: 110(w)* 150(D)*80(H) mm

Specification

1. The Incubator has many wells for placement of the biological indicator vials and the wells can be custom-made. User can set the incubating temperature.
2. Materials: Aluminium block
3. Well Diameter: According to custom-making



BIN- I

2. Features for BIN-3724 ID-Card Incubator

1. Incubator for 24-Gel Cards in racks at 37°C
2. 2 independent incubation zones with a capacity for 12 Gel cards
3. Digital interface screen for control and visualization of remaining incubation time and real temperature for each zone.
4. Fixed pre-set temperature of 37 degree
5. Pre-set incubation time of 15 minutes, which can be adjust by the user
6. Audible programmable alarm to notify end of incubation period



BIN-3724

Specification for K37-24 ID-Card Incubator

1. Capacity: 24 Gel cards
2. Temperature: 37°C
3. Timer: 15min (Variable)
4. Power: AC220V or AC120V 50-60Hz, 300W
5. Dimensions: (D*W*H)=380*220*115 mm

3. Specification For BIN-600 Headspace Sampler

1. Heating Temperature Range: RT+5°C ~100°C
2. Variable Injection: up to 2.5ml
3. Temperature Accuracy: $\pm 0.5^\circ\text{C}$
4. Holds Up To 6 Vials Of: 2,10,20ml
5. Stabilization Time From 25°C to 70°C With 1ml Syringe And 6Empty 20ml Vials: 8minutes



BIN-600

Deck Mounted Eye Washer

Materials: Solid thick brass

Coating: High gloss epoxy powder, resistant to chemicals, UV fading and heat.

Sprayer head: Soft rubber, softened water spray for eye protection

Dust cap: PP, removed automatically when eye washer is operated

Switch: Automatic trigger locking for easy hand-free use

Valve: None-return valve, shut off automatically

Hose: Length 1.4m, PVC with stainless steel net

Max.Working pressure: 7Bar



EW-DM2



EW-DM1



EW-DM3

Removable Eye Washer

Installing: Desk & wall mounted, can be also drew out.

Body: Densely PP material. The valve can close automatically, safe seal.

Sprayer head: The eye washer head, softer water spray for eye protection; the dust shield cap can be removed when eye wash operated.

Function: On the basis of the water pressure, the valve for flow control can be adjusted in order to adapt for the eyes.

Switch: Automatic trigger locking for easy hand-free use

Soft Pipe: length 1.5m, pp material. Water static pressure Max. 7Bar.



EW-R1



EW-R2



EW-R3

Wall Mounted Eye Washer

Material: 304 stainless steel / Epoxy coating stainless steel

Eye washer bowl: stainless steel / PP bowl, water bore is made of PP(ABS shield cap), safe green, installing conveniently.

Finish: Exquisite polished/high gloss epoxy powder, resistant to chemical&UV.

Sprayer head : Water bore has been treated with; make the water more mild and abundant.

Switch: the sign of operation is near by the knob, operate simply.



EW-WM1



Wall Mounted Shower Eye Washer

Sprayer head : The flux of spray head shower&washer is ample, installing conveniently, saving space.

Tube: The body of tube is made of stainless steel; make sure the products firm and high quality, be resistant to the chemicals.

Switch: The sign of operation is near by the knob, operate simply.



S-WM2



SCM-3



SEW-WM1

Combination Emergency Shower Eye Washer

The whole body is made of stainless steel, which will be accord with the lustration grade, firm and resistant chemical.

Eye washer is suitable for cleaning eyes, face and hands; the spray head can be used for washing the whole body.

Switch of the spray shower is controlled by the top of the handle, the flow is steady and ample.

Height of the bowl is condign, couple water bores humanistic design, the heigh and angle design is according to the proportion of the face.



SEW-C1



SEW-C2

Bacterial Colony Counter

The Bacterial colony counter is a digital display for counting the germs.

It is made of counter, pen, counting cell.

The counter is made of CMOS integrated electric, LED Nixie tube.

The word high is 13mm, it is clear and brightness, work in private use pen, it is sensitive and accurate, there are two kinds of light source, and it is adjustable.

This equipment could less the experimenter's labor intensity, increase the efficiency and quality.

It is widely used for bacilli inspection of food, drink, medicine, biological, make-up, health products, Water for drink, domestic sewage, and industrial water.

It is the required equipment of all kinds' health station, environmental monitoring centre, food hygiene, testing centre, hospital, Institute of biological products, laboratory for the control of drugs, Commodity Inspection bureau, the made-up factory, the laboratory of university and scientific research institutions.



Technical Parameters:

Model	Specification
BC-A	It is made of counter, pen, counting cell, Suitable Petri Dishes: ø50, ø90mm
BC-2A	It is made of counter, pen, counting cell, Suitable Petri Dishes: ø90mm
BC-SI	It is made of counter, pen, counting cell, Suitable Petri Dishes: ø90mm
BC-6	Automatic, Optical amplification 5 x 10 x, reflection and transmission illumination Counter range: 1-999 Suitable Petri Dishes: ø50, ø90m
BC-6A	Automatic speech to read count results Optical amplification 5 x 10 x, reflection and transmission illumination Counter range: 1-999 Suitable Petri Dishes: ø50, ø90m

Gas Generator

Hydrogen Generator—Conventional

Application

1. Fuel gas and carrier gas for GC (Gas Chromatography).
2. Reaction gas for ELCD (Electrolytic Conductivity Detector).
3. Reaction gas for AED (Atomic emission detectors).



Features and Advantages

Features and Advantages

1. Adopt the world's leading SPE/PEM technology to produce hydrogen by electrolyzing pure water.
2. No longer need to use dangerous and expensive hydrogen cylinders.
3. High purity hydrogen (99.999%~99.9999%), stable output flow, safe and convenient to operate, various alarm devices (over pressure alarm, water shortage alarm, water accumulated alarm).
4. Easy to operate, safe and reliable, generating hydrogen through electrolyzing pure water, switching power on to produce gas (available for several sets of gas chromatography).
5. High electrolysis efficiency. Gas purity and output flow will stay regular under continual use.
6. High reliability, easy to maintain.
7. Match with all kinds of GC.
8. No corrosion and pollution.



Technical Parameters:

Model	HGC-150	HGC-300	HGC-500	HGC-1000	HGC-2000	HGC-3000
Output Flow(ml/min)	0 ~ 150	0 ~ 310	0 ~ 510	0 ~ 1020	0 ~ 2020	0 ~ 3050
Output Pressure (MPa)	0.02 ~ 0.4MPa/0.02 ~ 0.7MPa (under stable pressure)					
Hydrogen Purity (%)	> 99.999					
Consumption (W)	<90	<150	<200	<500	<1000	<1500
Power Supply (V)	110/220V ±10%, 50/60Hz					
External Size(L*W*H)(mm)	420*227*352			458*230*380	500*450*800	
Water Requirement	Water resistivity ≥ 1MΩ/cm					
Net Weight (kg)	< 15			< 20	< 60	

Hydrogen Generator

Features

1. Easy to operate, safe and reliable, adding lye only for one time, only replenishing distilled water, switching power on to produce gas(available for several sets of gas chromatography).
2. Device for preventing backflow of lye.
3. Drum-shaped electrolysis cell, high-grade stainless steel 316L used as material for electrolysis cell.
4. High electrolysis efficiency. Gas purity and output flow will stay regular under continual use.



Technical Parameters:

Model	HG-300	HG-500
Output Flow (ml/min)	0~300	0~500
Output Pressure (MPa)	0~0.4	
Over pressure Protection (MPa)	0.45	
Hydrogen Purity (%)	>99.999	
Power Supply (V)	110/220V ± 10%, 50/60Hz	
Consumption (W)	<150	<300
External Size (L*W*H) (mm)	420*227*352	
Net Weight (Kg)	<15	<17

Nitrogen Generator

Features:

1. Nitrogen generators supply ideal ultra pure nitrogen for GC(Gas Chromatography), LC/MS(Liquid Chromatograph/Mass Spectroscopy) and Thermal Analyzer.
2. Continuously generate ultra pure nitrogen through Pressure Swing Adsorption (PSA) technology.
3. No longer need to use inconvenient and dangerous high pressure nitrogen cylinders in laboratory.
4. Compact structure. Take up very little laboratory space.



Technical Parameters:

Type	Nitrogen Generator	
Model	NG-300	NG-500
Output Flow (ml/min)	0~300	0~500
Output Pressure (MPa)	0~0.4	
Purity (%)	99.99	
Power Supply(V)	110/220V ± 10%, 50/60Hz	
Surrounding Requirement	0~40℃ , no dust and corrosive gas	
Consumption (W)	<180	
Net Weight (Kg)	35	
External Size (L*W*H) (mm)	460*290*760	

NHA Series Nitrogen & Hydrogen & Air Generator

Features:

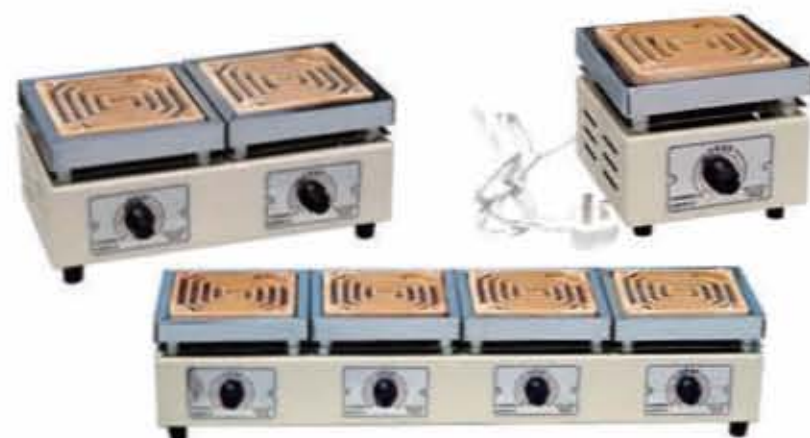
1. It can replace traditional high pressure cylinders. N₂, H₂ and air are generated separately or together, intermittently or continuously. The purity of gas will not decay for long time use.
2. Easy to operate, switching power on to produce gas, regular output flow, completely automatic tracking equipment.
3. Generate nitrogen through world' s leading Pressure Swing Adsorption (PSA) technology, which replaces the traditional electrolyte separation technology.
4. It is safe and convenient to operate, has no corrosion toward instrument and supplies gas for 24 hours.
5. Generate hydrogen through world leading SPE (PEM) technology. No longer need to add lye. Without alkali reversion.
6. It' s powered by whole sealing silent air compressor. After purification, water, oil, dust and impurities are removed. Through pressure stable system, pure and silent air is finally produced under stable pressure.



Technical Parameters:

Model	NHA-300		
Gas Type	N ₂	H ₂	Air
Output Flow(ml/min)	0~300	0~300	0~1000
Output Pressure (MPa)	0~0.4		
Purity(%)	99.99	99.999	Three-level Purification CO ₂ :0.039% Oil: 0.54ppm
Consumption (W)	<350		
Power Supply(V)	110/220V ± 10%, 50/60Hz		
Net Weight (Kg)	55		
External Size (L*W*H) (mm)	460*440*460		

Electronic Temperature Regulation Resistance Furnace



Features:

1. Cold-rolled steel spraying exterior of anti-corrosion and durability.
2. Electronic temperature regulation device with dual functional switch for stepless temperature and power regulation, which can adapt to different heating needs.

Technical Parameters:

Model	RF-S1	RF-D2	RF-F4	RF-S6	RF-S2
Standard	1-join	2-joins	4-joins	6-joins	1-join
Power Supply(V)	220				
Consumption(KW)	1	2*1	4*1	6*1	2
Hotplate Size(mm)	125*125				155*155
External Size(mm)	150*180*140	305*180*140	610*180*140	910*180*140	185*220*160
Packing Size (mm)	280*200*220	335*215*230	660*220*225	950*210*225	280*200*220
Net Weight(Kg)	1.3	3	5.3	3.2	2.5
Gross Weight(Kg)	2.1	4.1	8.1	12.1	3.2

Chamber Muffle Furnace

(1) Ceramic Fiber Muffle Furnace (Ceramic Inner Chamber)



Features:

1. Imported high density ceramic fiber.
2. PID two digital screen controller or programmable controller as requirement.
3. Controller has the function of timing and over-temperature protection.
4. Dual Ceramic Inner Chamber, hollow heat insulation and good ventilation ensure that outer shell is not hot and the inner shell can cool down quickly
5. Equipped with cooling fan ensure the cooling rate up to 5℃ /min

Note: 3~5 is only for MCF series

Technical Parameters:

Model	Internal Size(mm)	Consumption (KW)	Power Supply(V)	Rated Temp.(℃)	Temp. Rising (Empty/min)	External Size(mm)	Temp. Precision(℃)
MC2.5-10	200*120*80	2.5	220	1000	15	500*240*170	±1
MC2.5-12		2.5		1200	20		
MC4-10	300*200*120	4		1000	15	600*360*210	
MC5-12		5		1200	20		
MC8-10	400*250*160	8	380	1000	15	720*380*270	
MC10-12		10		1200	20		
MCF2.5-12	200*120*80	2.5	220	1200	20	590*390*640	±1
MCF5-12	300*200*120	3		1200	20	680*520*660	
MCF10-12	400*250*160	8		380	1200	20	

(2) Box-resistance Furnace (Fire Brick Inner Chamber)



Features:

1. Cold-rolled steel spraying exterior; open-side door enables easy on/off.
2. Medium-temperature furnace adopts enclosed fire pot. The spiral electric alloy wire coil as heating component coiled on the furnace walls. It is efficient and durable.
3. High-temperature tubular resistance furnace adopts heat resistant combustion tube and takes elema as heating component to fix on the fireport exterior.
4. High-temperature box resistance furnace takes elema as heating component to fix inside the firepot.

Technical Parameters:

Model	Consumption (KW)	Rated Temp. (℃)	Power Supply (V)	Temp. Rising (Empty/min)	Internal Size(mm)	External Size (mm)
MB2.5-10	2.5	1000	220	≤ 60	200*120*80	595*410*467
MB4-10	4		220	≤ 80	300*200*120	790*500*527
MB8-10	8		380	≤ 90	400*250*160	910*600*635
MB12-10	12		380	≤ 100	500*300*200	1100*720*675
MB2.5-12	2.5	1200	220	≤ 100	200*120*80	595*410*464
MB5-12	5		220	≤ 120	300*200*120	790*500*527
MB10-12	10		380	≤ 120	400*250*160	910*600*635
MEL4-13	4	1300	0~210	≤ 240	250*150*100	650*510*485
MEL5-13	5		0~210	≤ 240	250*150*100	
MEL8-13	8		0~350	≤ 350	500*278*180	965*570*600
MST2-13	2		0~210	≤ 45	Φ.30*180	450*270*360
MDT2.5-13	2.5		0~210	≤ 45	2-Φ22*180	

Chamber Muffle Furnace

Economic type product

ME-10/12/13GJ series chamber muffle furnace, as economic product, adopts traditional split type structure. Its controller is selected with LCD Temp.controlled instrument, more personalized design, easy to install and operate, energy saving.



Technical Parameters:

Model	ME2.5-10/2.5-12GJ	ME4-10/5-12GJ	ME8-10/10-12GJ	ME4-13GJ
Chamber Size (mm)	200*120*80	300*200*120	400*250*160	250*150*100
Capacity(L)	2	7.2	16	4
Rated Temp.(℃)	1000	1200		1300
Temp. Control	LCD PID Temp.control			
Temp.Precision(℃)	±1			
Heating Rate	≤ 15℃ /Min			
Heating Element	Aludirome heater strip			Straight silicon carbide rod
Power Supply(V)	Single-phase 220		Three-phase 380	Single-phase 220
Consumption (KW)	2.5	4/5	8/10	4
External Size(mm)	400*300*400	500*400*500	600*500*600	500*400*500

Fundamental type product

MF-G series chamber muffle furnace, as fundamental product, adopts modern integrated structure. Its hearth is made of traditional fireproofing materials, broad range of application and high cost performance.



MF-T series chamber muffle furnace is made of new type fireproofing material---ceramic fiber, fast rate of Temp.increase, great thermal insulation property, energy saving, environmental protection, and long service life.

Technical Parameters:

Model	MF2.5-10G/T	MF4-10G/T	MF8-10G/T	MF12-10G	MF2.5-12G	MF5-12G	MF10-12G
Internal Size (mm)	200*120*80	300*200*120	400*250*160	500*300*200	200*120*80	300*200*120	400*250*160
Capacity(L)	2	7.2	16	30	2	7.2	30
Rated Temp.(℃)	1000				1200		
Temp.Control	PLC control system						
Temp.Precision(℃)	±1						
Heating Rate	G series ≤ 60℃ /Min, T series ≤ 15℃ /Min						
Heating Element	Aludirome heater strip						
Power Supply(V)	220		380		Single- phase 220	Single- phase 380	
Consumption(KW)	2.5	4	8	12	2.5	5	10
External Size(mm)	590*400*620	650*520*670	810*570*760	930*700*860	480*400*570	590*520*620	730*570*720

MH-16TP/GP Series high temperature furnace

Technical Parameters:



Model	MH8-16TP/GP	MH12-16TP/GP	MH18-16TP/GP
Internal Size(mm)	300*150*120	400*200*160	500*200*180
Capacity(L)	5.4	13	18
Rated Temp.(℃)	400℃ ~1600		
Temp.Control	PLC control system		
Temp.Precision(℃)	±1		
Heating Rate	G series ≤ 10℃ /Min, T series ≤ 40℃ /Min		
Power Supply(V)	Single-phase 380		
Heating Element	U shaped solicon aluminum bar		
Consumption(KW)	8	12	18
External Size(mm)	740*1000*950	840*1050*910	950*850*700

Research-based type product

MR-12/17TP series chamber electric furnace, as research-based product, adopts modern integrated double-layer furnace body structure. Its hearth is made of new type fireproofing material---ceramic fiber, fast rate of temp.increase, great thermal insulation property, energy saving, environmental protection, and long service life.



MR-12TP series



MR-17TP series

Technical Parameters:

Model	MR2.5-12TP	MR5-12TP	MR6-12TP	MR8-12TP	MR4-17TP	MR8-17TP
Internal Size(mm)	200*120*80	300*200*120	300*200*200	400*300*300	160*150*150	250*150*150
Capacity(L)	2	7.2	12	36	3.6	5.6
Chamber Material	Imported high thermal density ceramic fiber					
Rated Temp.(℃)	1200				400-1700	
Temp.Control	PLC control system					
Temp.Precision(℃)	±1					
Heating Rate	≤ 60℃ /Min					
Heating Element	Aludirome heater strip				U shaped solicon aluminum bar	
Consumption(KW)	2.5	4	4	8	4	8
External Size(mm)	590*390*640	690*520*660	690*520*780	950*720*920	590*620*900	590*620*920

TopPette–Mechanical Pipette

Features for TopPette

- Light-weight, comfortable, ergonomic design, easy to press
- Digital display
- Volume range from 0.1 µl to 5000 µl
- Easy to calibrate and maintain

Features for Multi-channel Pipette

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates ensure optimum pipetting convenience
- Individual piston/tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips

MicroPette Mechanical Pipette

Features for MicroPette

- Light-weight, ergonomic design, easy to press
- Digital display
- The pipettes cover volume range of 0.1 µl to 10ml
- Easy to calibrate and maintain
- The low part is available for autoclaving

Features for Multi-channel MicroPette

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



MicroPette Plus Autoclavable Pipette

Fully Autoclavable

The MicroPette plus pipettes can be fully autoclaved and withstood steam sterilizes at 121°C, 1 atm for 20 minutes. The pipettes can be autoclaved without special preparation. After autoclaving the pipette must be cooled down and left to dry over 12 hours.

It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after each 10 autoclaving.

Features for MicroPette Plus

- Fully autoclavable
- Light-weight, ergonomic design, easy to press
- Digital display
- The pipettes cover volume range of 0.1 µl to 10ml
- Easy to calibrate and maintain

Features for Multi-channel MicroPette Plus

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



Technical Parameters:

TopPette/MicroPette/MicroPette Plus Mechanical Pipettes(Adjustable and Fixed Volume)

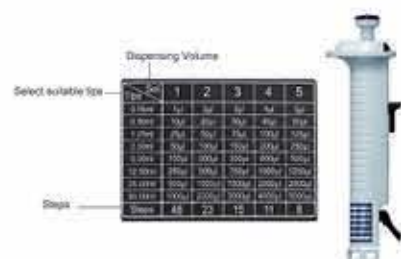
Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Inaccuracy)	
0.1-2.5 µl	0.05 µl	2.5 µl	2.50%	0.0625 µl	2.00%	0.05 µl
		1.25 µl	3.00%	0.0375 µl	3.00%	0.0375 µl
		0.25 µl	12.00%	0.03 µl	6.00%	0.015 µl
0.5-10 µl	0.1 µl	10 µl	1.00%	0.1 µl	0.80%	0.08 µl
		5 µl	1.50%	0.075 µl	1.50%	0.075 µl
		1 µl	2.50%	0.025 µl	1.50%	0.015 µl
2-20 µl	0.5 µl	20 µl	0.90%	0.18 µl	0.40%	0.08 µl
		10 µl	1.20%	0.12 µl	1.00%	0.1 µl
		2 µl	3.00%	0.06 µl	2.00%	0.04 µl
5-50 µl	0.5 µl	50 µl	0.60%	0.3 µl	0.30%	0.15 µl
		25 µl	0.90%	0.225 µl	0.60%	0.15 µl
		5 µl	2.00%	0.1 µl	2.00%	0.1 µl
10-100 µl	1 µl	100 µl	0.80%	0.8 µl	0.15%	0.15 µl
		50 µl	1.00%	0.5 µl	0.40%	0.2 µl
		10 µl	3.00%	0.3 µl	1.50%	0.15 µl
20-200 µl	1 µl	200 µl	0.60%	1.2 µl	0.15%	0.3 µl
		100 µl	0.80%	0.8 µl	0.30%	0.3 µl
		20 µl	3.00%	0.6 µl	1.00%	0.2 µl
50-200 µl	1 µl	200 µl	0.60%	1.2 µl	0.15%	0.3 µl
		100 µl	0.80%	0.8 µl	0.30%	0.3 µl
		50 µl	1.00%	0.5 µl	0.40%	0.2 µl
100-1000 µl	5 µl	1000 µl	0.60%	6 µl	0.20%	2 µl
		500 µl	0.70%	3.5 µl	0.25%	1.25 µl
		100 µl	2.00%	2 µl	0.70%	0.7 µl
200-1000 µl	5 µl	1000 µl	0.60%	6 µl	0.20%	2 µl
		500 µl	0.70%	3.5 µl	0.25%	1.25 µl
		200 µl	0.90%	1.8 µl	0.30%	0.6 µl
1000-5000 µl	50 µl	5000 µl	0.50%	25 µl	0.15%	7.5 µl
		2500 µl	0.60%	15 µl	0.30%	7.5 µl
		1000 µl	0.70%	7 µl	0.30%	3 µl
2-10ml	0.1ml	10ml µl	0.60%	60 µl	0.20%	20 µl
		5ml µl	1.20%	60 µl	0.30%	15 µl
		2ml µl	3.00%	60 µl	0.60%	12 µl

8-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Inaccuracy)	
0.5~10 µl	0.1 µl	10 µl	1.50%	0.15 µl	1.50%	0.15 µl
		5 µl	2.50%	0.125 µl	2.50%	0.125 µl
		1 µl	4.00%	0.04 µl	4.00%	0.04 µl
5~50 µl	0.5 µl	50 µl	1.00%	0.5 µl	0.50%	0.25 µl
		25 µl	1.50%	0.375 µl	1.00%	0.25 µl
		5 µl	3.00%	0.15 µl	2.00%	0.1 µl
50~300 µl	5 µl	300 µl	0.70%	2.1 µl	0.25%	0.75 µl
		150 µl	1.00%	1.5 µl	0.50%	0.75 µl
		50 µl	1.50%	0.75 µl	0.80%	0.4 µl
12-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Inaccuracy)	
0.5~10 µl	0.1 µl	10 µl	1.50%	0.15 µl	1.50%	0.15 µl
		5 µl	2.50%	0.125 µl	2.50%	0.125 µl
		1 µl	4.00%	0.04 µl	4.00%	0.04 µl
5~50 µl	0.5 µl	50 µl	1.00%	0.5 µl	0.50%	0.25 µl
		25 µl	1.50%	0.375 µl	1.00%	0.25 µl
		5 µl	3.00%	0.15 µl	2.00%	0.1 µl
50~300 µl	5 µl	300 µl	0.70%	2.1 µl	0.25%	0.75 µl
		150 µl	1.00%	1.5 µl	0.50%	0.75 µl
		50 µl	1.50%	0.75 µl	0.80%	0.4 µl
Fixed Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Inaccuracy)	
5 µl	—	5 µl	1.3%	0.065 µl	1.2%	0.06 µl
10 µl	—	10 µl	0.8%	0.08 µl	0.8%	0.08 µl
20 µl	—	20 µl	0.6%	0.12 µl	0.5%	0.1 µl
25 µl	—	25 µl	0.5%	0.125 µl	0.3%	0.075 µl
50 µl	—	50 µl	0.5%	0.25 µl	0.3%	0.15 µl
100 µl	—	100 µl	0.5%	0.5 µl	0.3%	0.3 µl
200 µl	—	200 µl	0.4%	0.8 µl	0.2%	0.4 µl
250 µl	—	250 µl	0.4%	1.0 µl	0.2%	0.5 µl
500 µl	—	500 µl	0.3%	1.5 µl	0.2%	1.0 µl
1000 µl	—	1000 µl	0.3%	3.0 µl	0.2%	2.0 µl
2000 µl	—	2000 µl	0.3%	6.0 µl	0.15%	3.0 µl
5000 µl	—	5000 µl	0.3%	15 µl	0.15%	7.5 µl

StepMate Stepper

Features:

- Light-weight and ergonomic design
- One-hand operation
- Factory calibrated
- Volume range of 1 µl to 5ml
- With durable tip insertion lever
- With seven sizes of disposable, polypropylene syringes from 0.5ml to 50ml



Select the Dispensing Volume

- Find the required dispensing volume
- Use the adjusting wheel to set the required volume
- Select and inserting suitable tips
- Confirm the maximum dispensing steps

Technical Parameters:

Dial setting	1	2	3	4	5		
Number of Steps	48	23	15	11	8		
Syringe Volume(ml)	Sample Volume(µl)					A %	P %
0.05	1	2	3	4	5	± 2.5	≤ 5.0
0.50	10	20	30	40	50	± 0.8	≤ 0.7
1.25	25	50	75	100	125	± 0.8	≤ 0.5
2.50	50	100	150	200	250	± 0.8	≤ 0.4
5.00	100	200	300	400	500	± 0.4	≤ 0.3
12.50	250	500	750	1000	1250	± 0.3	≤ 0.3
25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3
50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2

Note: The first and last dispensing liquid should be discarded or back into container vessel.

DispensMate Bottle-Top Dispenser

Features:

- Excellent chemical resistance
- Fully autoclavable at 121°C
- Four ranges of bottle-top dispenser cover a volume range from 0.5ml to 50ml
- Easy to clean and maintain
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Made of PTFE, FEP, BSG, PP
- Vapor pressure Max. 500mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³
- DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters



Technical Parameters:

Volume Range (ml)	Graduation (ml)	A ≤ ±		CV ≤	
		%	µl	%	µl
0.5-5	0.1	0.5	25	0.1	5
1.0-10	0.2	0.5	50	0.1	10
2.5-25	0.5	0.5	125	0.1	25
5.0-50	1.0	0.5	250	0.1	50

A = Accuracy; CV = Coefficient of variation

Accessories:

S40, Adapter, 45/40mm
GL32, Adapter, 45/32mm
GL38, Adapter, 45/38mm
GL25, Adapter, 32/25mm
GL28, Adapter, 32/28mm
Reagent Bottle (Brown, 1L)
Filling tube (m)
Discharge tube (m)

Automatic Glassware Washer



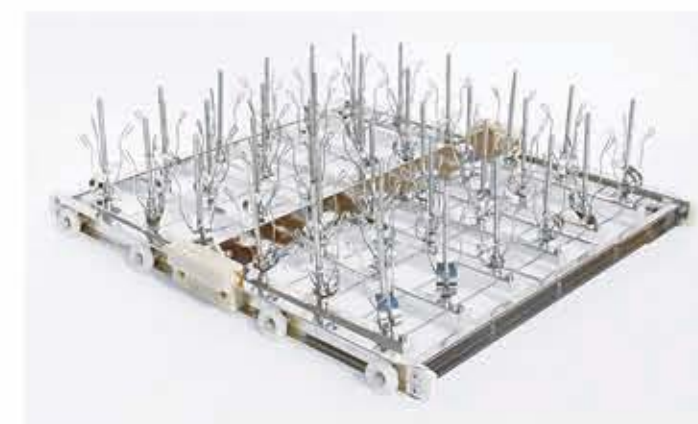
Main Characteristics

1. Perfect cleaning for glassware external and inner surface (top and bottom are arranged rotary spray arm with many nozzles to achieve cleaning all range angle; top nozzle and cylinder fan-shaped incision design, 360° cleaning vessel inner surface).
2. Independent air heater with circulating fan, improve the drying efficiency, the drying temperature can be set 50~90 °C.
3. Fully stainless steel structure (SUS304 or SUS316).
4. PLC control system, stable and reliable performance; Double temperature control for water and air temperature; Automatic fault diagnosis function.
5. Electronic security door lock; double protection for water temperature and air temperature, over temperature protection.

Standard Washing Proceure(can be self-designed by the user)

Pre-cleaning → Washing with alkaline cleaner → Washing with neutralization Rinse → Washing with hot water → Drying with hot air

All cleaning racks can be removed completely, convenient to washing rack pipeline



Standard rack



Flask rack



Petri dish rack



Wide-mouth bottle rack



Pipette rack

Technical parameters:

Model	BK-LW120	BK-LW220	BK-LW320	BK-LW420
ExternalSize (L*W*H)	980*740*850	710*680*1750	710*680*1900	1100*900*2000
Capacity	120L	220 L	320 L	420 L
Water Consumption/cycle	10L	15L	18L	25L
Inlet Water Pressure	0.3~0.8(Mpa)			
Max Noise	≤ 50(dBa)	≤ 55(dBa)	≤ 55(dBa)	≤ 60(dBa)
Power Supply	220V, 50HZ	380V, 50/60HZ		
Consumption	6 KW	17 KW	19 KW	22 KW

BG1000A Electrolyte Analyzer



Features:

1. It can measure the concentrations of K⁺, Na⁺, CL⁻ and Ca⁺⁺ and PH values.
2. Applies ISE (Ion Selection Electrode), which gives the instrument the advantages of minimum maintenance, easy assembly and disassembly, as well as stable and reliable measurements.
3. Working Mode: Normal mode: automatic calibration; this mode adapts to large and middle scale hospital with large sample volume; Sleep functions which can save reagent.
Saving mode: 24 hours reagents consumption is only 7ml when it does not measure.
This mode adapts to hospital with small sample volume.
4. Each test channel can be closed separately, So it is convenient to do emergency measurement.
5. 110mm*60mm LCD display, automatic screensaver, friendly interface, and easy to operate.
6. Mini thermal printer can print repeatedly at any moment. It is convenient to feed paper. And the print is very clear.
7. Revising dates automatically to ensure the accuracy of data.
8. It can save 1500 test results, data will not be lost even if the power is cut off. Users can inquire or print at any moment.
9. The instrument is equipped with a RS232 serial port, which can be connected to computer. It may collect, manage and print measure result by relevant software.
10. It has electrode-checking function. Users can do corresponding maintenance according to checking result.

11. Exempt of routine maintenance, this greatly lightens the burden of operators; In-side software self-checking can suggest users eliminate the malfunction in time.
12. Advanced and reliable fluid position examination technology can save reagent.
13. Adopt built-in operating system leads to a reliable performance. Users can modify each setting to meet different requirements.
14. The quality-control inspecting function can track the accuracy of the instrument.

Technical parameters:

Test Object	Linearity	Repeatability(Cv)	Stability	Accuracy
K ⁺	±0.3mmol/L	≤ 1.0 %	±0.2mmol/L/h	±0.3mmol/L
Na ⁺	±3.0mmol/L	≤ 1.0 %	±2.0mmol/L/h	±3.0mmol/L
Cl ⁻	±3.0mmol/L	≤ 1.0 %	±2.0mmol/L/h	±3.0mmol/L
Ca ⁺⁺	±0.2mmol/L	≤ 2.0 %	±0.2mmol/L/h	±0.2mmol/L
pH	—	≤ 1.0 %	±0.02/h	
Standard Ca ⁺⁺ and Total Ca ⁺⁺ (calculating value)				

Sample: Serum, Whole Blood, Plasma, and Diluted Urine

Sample Volume: 100ul

Testing Time: ≤ 60s

LCD display: 110mm*65mm

Temperature: 10℃ -30℃ , Humidity: ≤ 85%

Power Supply: 110V/220V ± 10%, 60/50Hz

Package Size(W*D*H): 380*345*435mm

Gross Weight: 9Kg

Storage Safety Cabinet

Introduction:

According to international practice, there are four colors of common used materials storage safety cabinet to store various hazardous materials.

Generally, the yellow cabinets are used for storing flammable materials, the red for combustible materials, the blue for weak corrosive materials (Strongly corrosive materials can only be stored in PP (polypropylene) material storage cabinet, such as sulfuric acid, nitric acid, hydrofluoric acid and other strongly corrosive materials), and the white are used for storing the toxic materials.

The color is for distinguishing different type materials in storage and convenient using. The common effect of the each type safety cabinet is for fire prevention, heat insulation and secure storage.

Advantages:

- ★ OSHA standards. Static grounding conduction ports are designed on the cabinet body for convenient connection with static grounding wire.
- ★ Double-layer fire-resistant steel structure, insulation layer is located between two steel plates.
- ★ Storage sink to collect waste liquid.
- ★ Professional and normative warning label.
- ★ Equipped with dual vents.
- ★ Three linkage type door lock, two keys.
- ★ Unique spill-proof type shelf, adjustable height of shelf is 6cm
- ★ More than 50 times of door opening and closing tests will be done for each safety cabinet before delivery from factory
- ★ The locking bar of each safety cabinet is connected by 5cm connecting rod.
- ★ External epoxy paint, waterproof, dustproof, corrosion proof, anti-fire and anti-static.
- ★ OEM service is available

Technical Parameters:

Model	BK-4-CS	BK-12-CS	BK-30-CS	BK-45-CS	BK-60-CS	BK-90-CS
Capacity	4 gallon (15L)	12gallon (45L)	30gallon (113L)	45gallon (170L)	60gallon (226L)	90gallon (340L)
Selective colors	Yellow, blue, red, white (not available for PP material cabinet)					
Steel plate	Thickness over 1.0cm					
Insulation layer	Thickness 38cm					
Storage container	Height 50cm					
Door	Single	Single	Double	Double	Double	Double
Material	Cold-rolled steel with epoxy paint, PP					
Shelf	1	1	1	2	2	2
External size (H *W*D)	56*43*43cm	89*59*46cm	112*109*40cm	165*109*46cm	165*86*86cm	165*109*86cm
Package size (H*W*D)	76*58*58cm	109*74*61cm	132*124*55cm	185*124*61cm	185*101*101cm	185*124*101cm
N.W.	30KG	60KG	100KG	138KG	165KG	190KG
G.W.	40KG	75KG	120KG	169KG	190KG	225KG

Yellow cabinets

for flammable materials:



Red cabinets

for combustible materials:



Blue cabinets

for weak corrosive materials:



White cabinets

for the toxic materials:



PP (polypropylene) storage cabinet
for strong corrosive materials:



BK-3358 Semi-automatic Microtome

BK-3358 Semi-automatic microtome is new model. This model adopts advanced, modern histopathology research technology. It has stable performance, ergonomic concept. Main spare parts are imported from overseas. This model stand for advanced technology and new development direction of histopathology research.



BK-3358

Features:

- Advanced driving systems, functions of section, trimming, fast forward, backward etc
- LCD screen shows section and trimming thickness range, numbers of section and trimming
- Exchange between section and trimming mode can be finished by controlling systems
- Hand-wheel can be locked at any position to assure user's safety
- Large waste tray is easy to clean and unload
- Universal cassette clamp and standard specimen clamp; Emergency stop systems

Technical Parameters:

- Section thickness range: 0.25 ~ 60 μ m

0.25 ~ 1 μ m	increment 0.25 μ m
1 ~ 10 μ m	increment 1 μ m
10 ~ 20 μ m	increment 2 μ m
20 ~ 60 μ m	increment 5 μ m
- Trimming Thickness range: 0.25 ~ 60 μ m
- Minimum Setting value: 0.25 μ m
- Object Feed: 28mm
- Vertical Stroke: 60mm
- Maximum Specimen Size: 50* 50mm
- Precision: $\pm$ 5%
- Power Supply: 110/220V $\pm$ 10%, 50/60Hz
- Power: 150VA
- External Size: 520*430*330mm
- Net Weight: 24kg

BK-2258 Manual Microtome

Features:

- Ergonomical conception of devise, trouble free operation under any conditions
- Good section whenever use by Standard Steel Knife or Disposable Blade
- Specimen clamp positioned at 8 X/Y precision orientation system
- Hand-wheel system allow the hand-wheel locked at any position
- Specimen block can be changed easily and conveniently
- Blade holder can be moved in horizontal or vertical direction
- Disposable blade holder and steel knife holder
- Large waste tray is easy to unload

Technical Parameter:

- Section Thickness Range: 0.5 ~ 60 μ m
- Setting Value:

0.5 ~ 2 μ m	increment 0.5 μ m
2 ~ 10 μ m	increment 1 μ m
10 ~ 20 μ m	increment 2 μ m
20 ~ 60 μ m	increment 5 μ m
- Trimming Thickness Range: 1 ~ 60 μ m
- Minimum Setting Value: 0.5 μ m
- Precision Error: $\pm$ 5%
- Maximum Specimen Size: 60*50mm
- Object Feed: 28, Vertical Stroke: 60mm
- Speciment Return Range: 0 ~ 28mm
- External Size: 500*460*300mm
- Net Weight: 23.3kg



BK-2258

BK-2508 Manual Microtome

Technical Parameters:

- Section Thickness Range: 1 ~ 25 μ m, 1 ~ 35 μ m
- Minimum Setting Value: 1 μ m
- Precision: $\pm$ 5%
- Maximum Specimen Size: 60*40mm
- Low Profile or High Profile Disposable blade
- Steel Knife Holder or Disposable Blade Holder
- External Size: 450*320*320mm
- Net Weight: 19kg



BK-2508

Air Shower

Air shower is a necessary passage for person entering clean room in order to minimize the amount of particulate contaminant, achieve workplace strict clean purification standards. Personnel move through the air shower while particulate contaminants are blew off by the clean high speed air. So the duct can't be brought into clean area.

Features:

1. Photoelectric sensor, automatic blowing.
2. Designed with circulation wind to ensure the cleanness of shower area under non-shower status.
3. Double doors with electric interlock.
4. LED display with adjustable blowing time (0 ~ 99min).
5. HEPA Filter, Class 100 cleanness.



Technical parameters:

Model	AS-1P1S	AS-1P2S	AS-2P2S
External Size(W*D*H)	1300*1000*2050mm	1500*1000*2050mm	1500*2000*2050mm
Shower Area Size(W*D*H)	800*890*1930mm	800*890*1930mm	800*1890*1930mm
HEPA Filter	99.999% efficiency at 0.3 um		
Spraying Wind Speed	25m/s		
Air Shower Time	0-99 min (adjustable)		
No.of SS Nozzles	12	16	18
Fluorescent Lamp	20W*1	20W*1	20W*2
Consumption	1000W	1500W	2000W
Cabinet Material (Optional)	1. Full cold-rolled steel with powder coating. 2. Internal stainless steel, external with cold-rolled steel 3. Full Stainless Steel.		
Door Material (Optional)	1. Cold-rolled steel with powder coating. 2. Stainless Steel		
Chassis	Stainless Steel		
Power Supply	110/220V, 50/60Hz		

Pass Box

Pass Box is used to transfer goods between rooms of different clean levels of clean room. It can reduce times of opening door, prevent the air convection between different rooms and minimize the pollution extent.



Technical parameters:

Type	Pass box			Air shower pass box		
Model	PB-01	PB-02	PB-03	ASPB-01	ASPB-02	ASPB-03
External size(W*D*H) mm	660*500*580	760*600*680	860*700*780	660*500*1400	760*600*1500	860*700*1600
Internal size(W*D*H) mm	500*500*500	600*600*600	700*700*700	500*500*500	600*600*600	700*700*700
Material	Stainless steel					
Interlock	Electronical					
UV Lamp	30W*1					
HEPA Filter	NO			Efficiency ≥ 99.999% at 0.3um		
Clean air speed	NO			0.36~0.54m/s		
Power supply	110/220 ± 10%; 50/60HZ					

Laboratory Furniture (Customization Available)



What we can offer

- A. Laboratory Planning, Designing, Production, Integration, Installation, Consultation & Project Management.
- B. Lab Furniture Designing, Development, Manufacturing, Installation, Commissioning & Service.
- C. Storage System
- D. Ventilation System/Exhaust System
- E. Laboratory Specialty Gas Pipe and Gas System
- F. Comprehensive Supply of Lab Accessories.

Different kinds of structure and material for biology lab furniture choices, as follows:

1. Full Steel series
2. Full Wood series
3. Steel & Wood series of C/ H shape-Frame
4. Steel & Steel series of C/ H shape-Frame
5. Stainless Steel Workstation Laboratory Furniture
6. PP series

Reference pictures

